

57th ANNUAL REPORT 2016-2017

(April 01, 2016 – March 31, 2017)



NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

Mahatma Gandhi Avenue, Durgapur-713209, West Bengal, INDIA

An Institute of National Importance under
Ministry of Human Resource Development, Government of India

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From Director's Desk

It is my pleasure to publish the 57th Annual Report 2016-17 of the Institute highlighting the progress in the last financial year.

National Institute of Technology Durgapur is an Institute of National Importance that is fully funded by the MHRD, Government of India. Its major focus is to provide quality technical education with equal emphasis on research. It constantly encourages the faculty and students to engage in active research and academics. The output indicators clearly demonstrate the enormous progress made by the Institute over the last several years in research and academia. The students are actively involved in various extracurricular activities including sports, cognitive, social and culture through various club activities. The development of massive infrastructural facilities has been going on for last few years. Some of these infrastructural facilities have already been completed.

All the stakeholders of the institute take immense pride in the progress of the Institute. They have been striving hard to keep the flag of National Institute of Technology Durgapur flying high.

Professor A. De

Director

National Institute of Technology Durgapur

Progress at a Glance (2016-2017)

- The B. Tech curriculum and regulation were revised based on the outcome of a workshop where eminent academicians participated.
- The Institute has been actively participating in the TEQIP-III program, after successful completion of TEQIP-II, a World Bank assisted programme for improvement in quality of technical education and research.
- Collaborative activities are in progress with CERN Geneva, and a number of premier universities abroad. Collaborative activities are also in progress with various premier academic and research institutes of India. Faculty visits, students' internship and collaborative research have been taken up. Four pre-final year students did the summer internship at CERN, Geneva.
- The faculty members of the Institute have publication and acceptance of 573 research articles/reviews in peer-reviewed journals, and also published 394 papers in proceedings of national and international conferences in 2016-17.
- 106 sponsored projects are being executed by the faculty members during the financial year.
- Seventy PhD degrees were awarded by the Institute in 2016-17.
- Faculty members acted as reviewers for 196 peer-reviewed journals.
- 619 (UG & PG) students were placed through in-campus interviews in the session 2016-2017. In addition to that 335 (UG & PG) students secured more than one job. In 2016-17, 155 companies visited the campus including most of the global players.
- More than 62 workshop/short-term courses and conferences were organized by various departments of the institute.
- The projects namely, 1250-seated Boys' Hostel and Auditorium are in progress. The New Guest House and 500-seated Girls' Hostel have recently been completed.
- Departments of Biotechnology has been selected by DST, Govt. of India for FIST programme.
- MoUs have been signed with several universities such as University of Liverpool, UK; University of Nottingham, UK; University of Kentucky, USA; Brno University of Technology, Czech Republic and University of Calcutta. MoU has also been signed with Magnitude Prototyping Pvt. Ltd., Kolkata; Aranya Biosciences Pvt. Ltd., Hyderabad; and Jariwala Robotics Pvt. Ltd., Mumbai.
- The responsibility of framing the modalities for joint PhD programme among the BRICS participating universities is given to NIT Durgapur by the ITG members.
- In Unnat Bharat Aviyan, the Institute organised programmes like 'Interaction cum Policy-Awareness Programme for Villagers' in Pratappur village, Durgapur. A tribal area near Bansgora village in Durgapur-Faridpur Block was covered in the survey during the annual camp of NSS.
- In Rashtiya Avishkar Aviyan, NIT Durgapur has been selected as one of the eight members of State Level Steering Committee, which would advise for planning and implementation of the activities of RAA in West Bengal.
- The 12th Convocation of the Institute has been successfully completed on 16th March, 2017. A total number of 829 B.Tech, 264 M.Tech, 37 MBA, 84 MCA, 42 M.Sc. and 57 PhD degrees are awarded in this convocation
- The B Tech and M. Tech programmes of various departments are accredited by NBA committee.
- A patent cell has been formed to look after the potential patentable data generated in various departments of the institute.
- Five GIAN proposals have been approved. Seven GIAN courses were organized in the Institute.
- S N Roy Memorial building, New Guest house and New Academic building have been inaugurated. Six students' hostels are renovated.
- As a part of the lecture series "Beyond the Walls" organized by NIT Durgapur Alumni Association, seven distinguished alumni members delivered lectures on various topics in the institute. The alumni members acted as resource persons in various workshops and short term courses organized by the Institute.

The Twelfth Convocation 2016-17

The twelfth convocation of the Institute was held on March 16, 2017. Professor Dr. Bibek Debroy, Economist & Member, NITI Aayog graces the 12th Convocation 2017 and delivered the Convocation Address as the Chief Guest. Professor Amalendu Bhushan Bhattacharyya, Chairman, Board of Governors, presided over the function.

1.0 INTRODUCTION

1.1 Vision Document

Vision

To impart quality technical education and focus on research and innovation to cater to the need of the country.

Mission

1. To impart quality technical and scientific education and produce engineers, technologists, scientists and citizens who will contribute meaningfully to the growth and development of the country and excel in various disciplines of knowledge.
2. To create a research-oriented teaching-learning environment in the Institute with a focus on excellence and innovation.
3. To embark upon an inclusive growth path committed to the uplift of the community.
4. To have an increased global presence.

Objectives

1. To choose a fully inclusive growth path, carrying all the students, the faculty members and the staff with it.
2. To focus on excellence and innovation.
3. To attribute greater emphasis on post graduate education and research.
4. To focus on inter-disciplinary research.
5. To encourage the faculty to take up more sponsored projects and consultancy, and increase internal resource generation.
6. To become a major player in the endeavour to make India a most favoured destination for international students and global research.
7. To collaborate with premier universities and organizations across the globe on research.
8. To initiate undergraduate students to research very early in pursuance of the “catch them young” policy.
9. To restructure the academic departments, and to set up schools and centres to offer interdisciplinary post graduate and doctoral programmes.
10. To reorient/ restructure the academic programmes in keeping with the developments and market forces.
11. To revise the curricula and syllabi regularly.
12. To initiate greater interaction with industries in the areas of collaborative projects and programmes, exchange of resource persons and training of students.
13. To remain committed to responsibilities towards providing services to community, to make people aware of crucial socio-technical and socio-economic problems, and offer technical solutions in rural, urban and agricultural sectors.

Action Plan

A. Research

1. In addition to the existing research areas, new research activities will be taken up in different thrust areas. The required infrastructure will be set up to support such activities. Intake of Institute full-time research scholars will be increased as they play a vital role in sustaining research activities in an institution. Moreover, they will cater to the urgent requirement of faculty in the technical education sector. As has been the practice, freshly recruited young faculty members will be provided with start-up grants for quality research project proposals by the Institute. Funding from TEQIP-III, plan grant and different sponsoring agencies will be utilized for the enhancement of research activities.

The Institute will focus on a few research areas where it would like to excel and lead the country, such as Environment, Energy, Biotechnology, Corrosion, Structure, Water Resource, Power Systems, High Voltage Engineering, Microelectronics, Microwave, Machine Design, Thermal Engineering, Materials, Nanotechnology, and Software Engineering.

2. To initiate students to research early, all students including undergraduate students will be encouraged to get engaged in research early. As has been the practice, the students will be financially supported for international research internship and for presenting papers in national and international conferences. They will also be associated with collaborative research projects.

B. Collaboration

1. Collaborations with various premier academic and research institutions in India and abroad have been established. It encompasses exchange programmes of faculty and students, joint academic programmes and research activities. More number of joint research proposals with premier academic and research institutions will be submitted to various funding agencies.
2. A special focus has been placed on forming inter-NIT research groups in multi-disciplinary thematic areas. Joint projects, doctoral and post graduate research will be carried out to gather synergistic benefits.

3. In order to strengthen the industry-academia platform, collaborative research programmes, participation of experts from industries in academic decision-making, invited lectures, training programmes for industry personnel will be further enhanced. Internship in industries shall be encouraged.

C. Teaching & Training

1. To strengthen existing B. Tech. programmes – The UG laboratories will be further expanded and augmented. Teaching-learning process has been modernized with teaching aids and learning resources. It will be further upgraded as required. Online students' feedback system on the performance of the faculty is being introduced.
2. To strengthen existing PG Programmes – 16 existing M. Tech. Programmes will be strengthened by modernizing the PG laboratories. In TEQIP (Phase II) various PG laboratories have been modernized.
3. New academic programmes in emerging areas will be introduced. Skilled postgraduates will be produced in areas having market demand.
4. The curricula and syllabi are revised regularly in keeping with technological advances. External experts from industries and academia will be consulted in the endeavour.
5. More multi-disciplinary academic programmes will be encouraged in order to bring more flexibility in academic programmes.
6. In order to provide with academic support to weaker students, remedial teaching and special training on soft skill will be conducted.
7. The faculty members will be encouraged to participate for refresher courses, training programmes and collaborative research programmes to premier institutions in India and abroad. They will also undertake pedagogical training. The staff members will also be trained in different areas. The entire training programme will be based on an exhaustive training need analysis carried out by the departments.
8. More Continuing Education programmes for the faculty members and staff of academic institutions and industry personnel will be organized regularly. A Continuing Education cell will be set up.

- In order to enhance the Institutional Management capacity, the responsible officials like Deans and Heads will be exposed to modern management techniques so that these tools may be used in education management.

D. Infrastructure Development

- To strengthen central academic facilities – Various central academic facilities like computer centre, library, workshop, central instrumentation facility, etc. will be modernized. More text books shall be issued to the students.
- Institute Automation – A comprehensive Institute Automation system will be set up to integrate all the activities of the Institute, to speed up the decision-making process and to move towards a paperless and transparent administration.
- Campus Expansion – The present campus is now grossly inadequate in view of the recent and future expansion of the institute. It has become absolutely necessary to acquire additional land around the present campus for expansion. In case it is not available, land may be explored in and around Durgapur to set up a second campus.
- Expansion and improvement of Infrastructure – Infrastructure needs urgent expansion to cope with rapidly increasing strength of students and faculty. Though additional facilities are being set up, it needs much more. Construction of more students' hostels, faculty quarters, and academic blocks housing classrooms, laboratories, faculty rooms and other supporting infrastructure are needed urgently. The entire Institute campus should be made wi-fi enabled. The infrastructure for health service should be expanded and improved. Departmental libraries should be strengthened. Audio system should be installed in large classrooms. Adequate facilities shall be provided to the staff members. The acute shortage of basic amenities like power and water must be overcome from additional sources.
- Students' Amenities – Auditorium, Open Air Theater, Swimming Pool and additional playgrounds will be set up. The existing facilities of indoor games and other sports and gymnasium will be expanded.

1.2 Education System

National Institute of Technology (NIT) Durgapur is a leading Institute in technical education. It offers UG and PG programmes in various disciplines of

engineering, technology, science and management. Doctoral programme is also offered in engineering, science, and humanities.

NIT Durgapur is a part of the erstwhile REC system where education and national integration were considered inseparable, with half the seats allocated to the students from the state while the rest were reserved for the students from other states. Seats are also reserved for students from backward communities as per the guidelines of the Government of India. The education system is holistic with equal importance being attached to academic as well as overall development of the students.

The Institute awards its own degree since it was granted academic autonomy in July 2003, and it awards its own degree. The Senate is the highest policy-making academic body of the Institute.

1.3 New Initiatives

NIT Durgapur successfully participated in the World Bank-funded Technical Education Quality Improvement Programme (TEQIP) as a lead institute and improved its academic infrastructure and quality of human resources. The Institute is now pursuing its activities in TEQIP-II as well. A new Centre of Excellence on "Advanced Materials" has been set up under TEQIP-II. Over the last several years, NIT Durgapur gradually evolved from a teaching-centric institution to an institution focusing on both teaching and research. The faculty members were encouraged to intensify their research activities. This resulted in a rapid increase in research output, like publication in peer-reviewed journals and being selected for sponsored projects. The Institute also initiated collaborative research programmes with esteemed research and academic institutions like CERN, Geneva, Caledonian College of Engineering, Muscat Oman, National University of Singapore, and many other academic institutions. Internship was arranged for the undergraduate students in CERN, Geneva, Germany and NUS Singapore. A number of seminars, conferences, workshops and short-term courses were organized and the faculty members were encouraged to visit premier institutions in India and abroad for participation in conferences, short-term courses and training programmes. New academic blocks, student hostels and faculty residential blocks have been constructed and the existing academic building is being renovated.

2.0 AN OVERVIEW

2.1 Historical Background

National Institute of Technology, Durgapur was established as one of the 17 Regional Engineering Colleges in 1960 as a joint venture of the Government of India and the Government of West Bengal and was registered under the Register of Societies Act. With introduction of cutting-edge technology in the emerging areas, the Institute maintained its momentum with definite mission and vision,⁹ which enabled it to get the prestigious status of National Institute of Technology under full administrative and financial control of the Government of India with a “Deemed to be University” status with effect from July 03, 2003. The Institute has now been declared as an “Institute of National Importance” by the Govt. of India, vide NIT Act 2007 (29 of 2007) implemented on August 15, 2007.

It started with only four branches of engineering: Civil, Mechanical, Metallurgical and Electrical Engineering for undergraduate studies in 1960. Chemical Engineering was started in 1964. At present, the Institute offers nine B. Tech. programmes and sixteen M. Tech. programmes. Besides, a three-year MCA programme and two-year MBA programme are also offered. The Institute has also introduced M. Sc. programmes in Physics, Chemistry and Mathematics with Computer Applications.

2.2 Location

NIT Durgapur is located in the heartland of industrial activities and the mineral-rich region of West Bengal, also known as ‘The Ruhr of India’. The city of Durgapur is well connected by rail with Kolkata, 158 km away, and is an important railway station on the main New Delhi-Kolkata route. It is a two and a half hours’ drive from Kolkata airport along Durgapur Expressway and NH2, and there is a military airport at Panagarh, only 20 km from Durgapur, in addition there is a Civil Airport, Kazi Nazrul Islam Airport Durgapur, only 15 km from the Institute. The place is only an hour’s drive from Tagore’s Santiniketan and has quite a few tourist spots nearby. The climate is moderate.

2.3 Campus

The Institute campus, spreading over 187 acres, is known for its serene environment. Buildings housing

the departments and laboratories, residential blocks for faculty and staff, students’ hostels are far outnumbered by the trees in the campus which is self-reliant with facilities like roads, water supply, power distribution network, a market complex, banks and post office.

2.4 Administration

NIT Durgapur is an autonomous institution under the Government of India since July 2003. As per MOA, the Institute is headed by a Director and administered by a Board of Governors. It also has Finance Committee and Building and Works Committee. In the Board, there are representatives from the Government of India, the Government of West Bengal, industries, other institutions, and the faculty.

2.5 Academic Programmes

The National Institute of Technology Durgapur is an Institute of National Importance with a reputation cutting across international boundaries. It runs four-year Bachelor of Technology courses in Bio-Technology, Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, Mechanical Engineering, Metallurgical & Materials Engineering and Information Technology. The duration of each course is four academic years. Each academic year spreading over the period from 1st July to 30th June of the next year is divided into two semesters of about eighteen weeks.

It also offers four and six Semester M. Tech. programmes. Total number of M. Tech. programmes on the offer is nineteen. A three-year full time MCA, two-year full time MBA and two-year full time M. Sc. programmes have been on the offer since 2000, 2004 and 2009, respectively.

2.6 Programmes Offered

2.6.A. Under-Graduate Courses:

The Institute provides instruction in the following courses leading to Eight Semester (Four Year) B. Tech. Degree (full time only).

Sanctioned intake of B. Tech Programme

Departments		Degree Offered	Sanctioned Intake
1	Bio-Technology	B. Tech.	60
2	Chemical Engineering	B. Tech.	62
3	Civil Engineering	B. Tech.	62
4	Computer Science & Engineering	B. Tech.	92
5	Electronics & Communication Engineering	B. Tech.	92
6	Electrical Engineering	B. Tech.	92
7	Information Technology	B. Tech.	92
8	Mechanical Engineering	B. Tech.	139
9	Metallurgical & Materials Engineering	B. Tech.	77
Total			768

The students of Andaman & Nicobar Islands were admitted in Supernumerary Quota as was decided by CSAB 2016.

In addition, 60-70 seats are filled up by foreign students as nominated by the Government of India under various schemes. 50% of the seats are reserved for candidates from West Bengal. 3% of the seats are reserved for physically handicapped candidates from West Bengal.

The remaining 50% seats are allotted based on the All India Rank. 15% and 7.5% of the total seats are reserved for SC candidates and ST candidates, respectively. 3% of the seats are reserved for physically handicapped candidates. All the Under-Graduate Courses are approved by the All India Council for Technical Education (AICTE).

2.6 B. Post-Graduate Programmes

(a) Full-time programmes

The Institute offers 19 four-semester M. Tech. programmes, six-semester MCA, four semester MBA and 3 four-semester M. Sc. Programmes.

(b) Part-time programmes

The Institute offers six-semester part-time postgraduate programmes leading to M. Tech. degree in eight specializations as mentioned in the table hereunder.

Sanctioned intake of M. Tech Programme

SL. NO.	Specialization (Department)	Full time Non-sponsored				Full time Sponsored	Part time	Total
		Open	OBC	SC	ST			
1	Biotechnology (Biotechnology)	12	7	4	2	5	0	30
2	Chemical Engineering (Chemical Engineering)	7	3	2	1	5	5	23
3	Corrosion Science & Technology (Chemistry)	7	3	2	1	5	5	23
4	Geotechnical Engineering (Civil Engineering)	8	4	1	2	5	0	20
5	Structural Engineering (Civil Engineering)	7	3	2	1	5	5	23
6	Software Engineering (Computer Applications)	8	4	2	1	5	0	20
7	High Performance Computing (Computer Science & Engineering)	7	3	3	2	5	0	20
8	Computer Science & Engineering (Computer Science & Engineering)	9	5	3	1	5	0	23

SL. NO.	Specialization (Department)	Full time Non-sponsored				Full time Sponsored	Part time	Total
		Open	OBC	SC	ST			
9	Environmental Science & Technology (Earth & Environmental Studies: Coordinating department)	8	4	2	1	5	0	20
10	Power Electronics & Machine Drives (Electrical Engineering)	8	4	2	1	5	0	20
11	Power Systems (Electrical Engineering)	7	3	2	1	5	5	23
12	Microelectronics & VLSI (Electronics & Communication Engineering)	9	5	3	1	5	0	23
13	Telecommunication Engineering (Electronics & Communication Engineering)	9	5	3	1	5	0	23
14	Information Technology (Information Technology)	9	5	3	1	5	0	23
15	Entrepreneurship and Innovations (Humanities and Social Sciences: Coordinating department)	8	4	2	1	5	0	20
16	Operations Research (Mathematics)	6	4	2	1	5	5	23
17	Fluid Mechanics and Heat Transfer (Mechanical Engineering)	8	4	2	1	5	0	20
18	Machine Design (Mechanical Engineering)	6	4	2	1	5	5	23
19	Thermal Engineering (Mechanical Engineering)	6	4	2	1	5	5	23
20	Metallurgy & Materials Technology (Metallurgical & Materials & Engineering)	6	4	2	1	5	5	23
21	Advanced Materials Science & Technology (Physics)	9	5	3	1	5	0	23
	TOTAL	164	87	49	24	105	40	469

Other Post-Graduate Programmes (Sanctioned Intake)

SL. NO.	Specialization (Department)	Full time				Total
		Open	SC	ST	OBC	
1	Master of Business Administration (MBA)	30	9	5	16	60
2	Master of Computer Applications (MCA)	20	7	3	10	40
3	M. Sc. (Physics)	10	3	2	5	20
4	M. Sc. (Chemistry)	10	3	2	5	20
5	M. Sc. (Mathematics with Computer Applications)	10	3	2	5	20
	Total	106	32	18	56	160

Eligibility

M Tech

At least 60% marks (6.5 CGPA) in BE/ B Tech / M Sc or equivalent, as applicable); relaxation of 5% marks / 0.5 CGPA is applicable for SC/ST candidates.

- Departments of Chemical, Civil, Electrical and Mechanical Engineering: B.E. / B. Tech in respective branch of Engineering; or (equivalent AMIE (I)/ AMIChE, etc., as applicable + two years of professional experience).
- Department of Computer Science & Engineering: BE/ B. Tech in Computer Engineering, Computer Science, Computer Science & Engineering / (eqv AMIE + 2 years of professional experience).
- Department of Electronics & Communication Engineering: (a) Specialization in Telecommunication Engg: BE/ B. Tech. or equivalent in Electrical & Electronics Engg/ Electrical Engg/ Electronics & Communication

Engg/ Electronics & Telecom Engg/ Electronics Engg/ Telecommunication Engg/ Applied Electronics & Telecommunication Engg/ Communication Engg/ Electronics & Computer Engg/ Electronics & Electrical Communication Engg/ Electronics & Electrical Engg/ Electronics Communication & Instrumentation Engg/ VLSI System Design.(b)Specialization in Microelectronics & VLSI:BE/ B. Tech. or equivalent in Electrical & Electronics Engg/ Electrical Engg/ Electronics & Communication Engg/ Electronics & Telecom Engg/ Electronics Engg/ Telecommunication Engg/ Applied Electronics & Telecommunication Engg/ Communication Engg/ Electronics & Computer Engg/ Electronics & Electrical Communication Engg/ Electronics & Electrical Engg/ Electronics Communication & Instrumentation Engg/ VLSI System Design

- (iv) Department of Information Technology: BE/ B. Tech. in in IT/ Computer Engineering/ Computer Science/ Computer Science & Engineering/ Computer Science & Information Technology/ Computer Technology/ Electronics & Communication Engineering/ Electronics & Telecommunication Engineering
- (v) Department of Metallurgical & Materials Engineering: (a) Specialization in Materials Engineering: B.E./ B. Tech. or equivalent in Metallurgical & Materials Engineering or (equivalent AMIIM with two years of professional experience) (b) Specialization in Industrial Metallurgy: B.E./ B. Tech. or equivalent in Metallurgical & Materials Engineering or (equivalent AMIIM with two years of professional experience)
- (vi) Department of Chemistry (Corrosion Science and Technology): M. Sc. in Chemistry (Pure/applied), M. Sc. in Biochemistry/ Environmental Science with Chemistry as major subject in graduation or BE/ B. Tech. in Chemical Engineering; or (AIC (I) with two years of professional experience)
- (vii) Department of Physics (Advanced Materials Science and Technology): M. Sc. in Physics/ Applied Physics/ Electronics/ Chemistry/ Materials Science/ Nanoscience/ eqv; B Tech in Metallurgical Engg/ Materials Engg/ Mechanical Engg/ Instrumentation Engg/ Chemical Engg/ Electronics Engg/eqv
- (viii) Department of Mathematics (Operations Research): BE/B. Tech. in any branch of Engineering/ Technology, M Sc in Mathematics/ Statistics, MCA
- (ix) Department of Biotechnology: B. Tech/ BE degree in Biotechnology with candidates having passed 10+2 level with at least 40% marks in Mathematics
- (x) Department of Earth & Environmental Studeies (Coordinating department for Environmental Science & Technology): B. Tech./ B.E. in Chemical / Civil/ Metallurgical / Biotechnology/ Leather Tech./Polymer Sc& Tech/ Food Tech. / Environmental Engg/ Agricultural Engg; M. Sc. in Environmental Sc./ Chemistry/ Physics/ Geology/ Biotechnology/ Agricultural Sc with mathematics as a subject in both 10+2 and degree level with at least 40% marks
- (xi) Department of Computer Applications (Software Engineering): B. Tech./ BE in Computer Engineering/ Computer Science/ Computer Science & Engineering/ Computer Science & Information Technology/ Computer Technology/ Computer & Communication Engineering/ Computer Engineering & Application/ Computer Networking/ Computer Science & Systems Engineering/ Computer Science & Technology/ Computing in Multimedia/ MCA
- (xii) Computer Centre (High Performance Computing): B. Tech./ BE in Computer Engineering/ Computer Science/ Computer Science & Engineering/ Computer Science & Information Technology/ Computer Technology/ Computer & Communication Engineering/ Computer Engineering & Application/ Computer Networking/ Computer Science & Systems Engineering/ Computer Science & Technology/ Computing in Multimedia/ IT/ MCA

MCA

Candidates with an aggregate of 60% marks (6.5 CGPA) in Bachelor's degree (Regular Course) of minimum 3-years duration from a recognized university in any discipline, with Mathematics as one of the subjects both in Graduation and at 10+2 level are eligible while SC/ST candidates are eligible with 55% marks.

MSc

Three-year regular B. Sc. (Hons./ Pass) with minimum 55% marks / 6 CGPA in the relevant discipline. A relaxation of 5% marks or 0.5 CGPA is applicable for SC/ST candidates.

MBA

Graduates (minimum 10+2+3 format) in any discipline with minimum 55% marks in graduation are eligible with a relaxation of 5 % marks for SC/ST.

2.7 Admission Procedure

2.7.A. Under-Graduate Courses:

As decided by the Ministry of Human Resource Development, Government of India, the procedure for selection of candidates for admission to the Bachelor of Technology Courses in National Institute of Technology Durgapur and in other NITs is on the basis of AIR in JEE (Main) published by Central Board of Secondary Education, New Delhi, and the same is executed through counseling by Central Seat Allocation Board (CSAB) under guidance from MHRD, GOI as per schedule notified by CSAB.

2.7.B. Post-Graduate Programmes:

Mode of Admission is detailed hereunder.

Sl No	Types of Student	Mode of Admission
1	Full Time GATE (M. Tech.)	CCMT
2	Full Time self-sponsored (M. Tech.)	B. Tech./eqv results, Institute level test and viva-voce
3	Full Time Sponsored (M. Tech.)	B. Tech./eqv results, Institute level test and viva-voce
4	Part Time (M. Tech.)	B. Tech./eqv results, Institute level test and viva-voce
5	MCA	NIMCET
6	MBA	CAT score and Institute Level GD/PI
7	M. Sc.	JAM

2.8 Students

The students find the environment of the Institute conducive not only to exercise their intellectual capability but also to learn living in cultural diversity and religious heterogeneity. In this era of free market economy India is a part of global village unconfined to its territory that we see in text books of Geography. Our students researching in higher academic institutes, and working in multinational companies have already made their marks in that global village. With a large number of students at under-graduate and post-graduate levels, the institute has excelled not only in academics but also in every field one can think of. Foreign Students are admitted supernumerary as decided by the Ministry of External Affairs and the Ministry of Human Resource Development. The students have received many prizes and awards from various other institutes in multiple activities. The NIT Durgapur is proud of producing the trained-brains more than 90% of which get employed by campus interview itself. Some of the alumni are in the higher ranks in the organisational hierarchy of the corporate sectors in India, Europe and the USA.

Students' Research Activities

It is quite remarkable that in recent years National Institute of Technology Durgapur has seen more than 150 students travelling widely to foreign universities for research internship or presenting papers in international conferences. The institutions include CERN Geneva, MIT, University of LUND, Sweden, University of Poitiers, France, University of Technology, Germany, Universität Stuttgart, University of Agder, Grimstad, Norway, American University of Armenia, National University of Singapore, Nanyang Technological University, Singapore, Université Pierre et Marie Curie Paris, Tor Vergata University; Via del Politecnico, Rome, University of Massachusetts, University of Auckland, New Zealand, Hamburg University of Technology (TUHH), Technical University of Chemnitz, Germany, Institute of Technology, Turkey, Leibniz University of Hannover, Universiti Tun Hussein Onn Malaysia, Universitat De Barcelona, Kyoto University, State University of New York, Albany, Indiana University, Indiana, USA, University of Technology, Poland, National Dong Hwa University, Taiwan and other institutes. Many others did their internship in the leading technological institutes and reputed corporate of India.

The following students visited CERN, Geneva, Switzerland during 15th May -9th July 2016 for Research based project at CERN, Geneva as a part of summer internship initiative.

- | | |
|------------------------|---|
| 1. Mr. Subhdeep Ghosh | Department of Electrical Engineering |
| 2. Ms. Sreetama Sarkar | Department of Electronics&Communication Engineering |
| 3. Mr. Wasim Yuhana | Department of Mechanical Engineering |
| 4. Ms. Taniya Karmakar | Department of Electrical Engineering |

Extracurricular Activities:

i. Centre for Cognitive Activities

CCA, Centre for Cognitive Activities, is the focal point where convergence of all technical and scientific endeavours of the students materialises. As the technical gymkhana of the institute, this club is the revolution, which bridges the gap between knowledge and application. Bulk of the extracurricular activities held in the college all the year round are organised by the CCA, with the objective of probing the dark recesses of human mind so that the grey cells are stimulated to create, conceptualise and evolve, triggering a rebellion of the new age mind against baseless conventions and meek acceptance.

One of the main event among all the year-long activities of the club is the convention of the Annual Techno-Management fest of the institute, Aarohan, which incidentally happens to be the second largest of its kind in Eastern India. Started in the year 2003, it has been leading the light of instilling a culture of science, technology and innovation among the youth of the nation. With more than 40 events covering all genres of technology and management, Aarohan brings some of the best solutions for the mankind to the fore. Numerous workshops and lectures are organised, thus introducing the students to new vistas in the field of technology. The yearly fest is centred around different themes.

ii. SAE- Society for Automotive Engineering (NIT Durgapur Chapter)

Shifting gears from a regular academic life, the chapter has empowered students to drive into faster lanes with the confluence of innovation, knowledge, application and skill under the same hood. The society organizes its unique auto fest "Motor Zundung" every year. Motor Zundung stands for the endeavor to appreciate raw talent and give budding technocrats a feel of real-time automotive acumen with a plethora of online gaming events, robotic events like Go-Drafting, Relay Race, Robowars and Dahi Hundi, non-robotic events including Auto Quiz, Schaffer, Jig for a Jigsaw and even a mini auto-expo, courtesy the flagship event- Transmission.

iii. IEEE Students' Chapter

The chapter was formed on 25th February 2009 and is one of the largest student chapters in Eastern India. It aspires to emanate an aura of technology and innovation, which would enrich the environment with the vibe of rational and scientific thinking. An international conference is organized every year under the aegis of the chapter.

iv. GNU/Linux Users' Group

The GNU/Linux Users' Group (GLUG) of NIT Durgapur has always been working to promote the idea of FOSS in the campus and to motivate the students of this engineering college of national importance to advance in the field of development and coding, and hence crack esteemed internships like the Google Summer of Code (GSoC). For this, GLUG had come up with numerous events during the year 2016-17.

Right from the beginning, GLUG has been active in instilling the sense of learning technology in students of all years. For this, GLUG conducted workshops on "Website Development" and "Android Application Development". It organised a "Moz-Camp" or a Mozilla Barcamp where attendees were informed of Mozilla projects and its structure. GLUG even organised "Hack-Me" sessions which focused on technological knowledge that every computer-freak should have. These served like tools or additional knowledge that one could have. Workshops on Git, GitHub and development were conducted, focusing more on the first years, so that open-source development could be encouraged in our college.

Later in the year, GLUG hosted the only FOSS-based tech-fest of NIT Durgapur, Mukti. Having hosted events that tested the IQ, coding skills of participants and their knowledge of open-source softwares, the fest, conducted online and offline events, was a massive success. "Online events" saw 200+ participating teams. Mukti even

witnessed a keynote speech by Mr. Debayan Banerjee, Infrastructure Lead at PayTM. On the whole, organising the 14 events in order to promote FOSS and coding was indeed a day to be cherished. Besides Mukti, GLUG even conducted the GSoC Barcamp for beginners, which had its guest speaker from Drupal. A 'GSoC Heat' of 20 days followed the bar-camp, which actually was like a model GSoC. Participants were given a timeline similar to that in GSoC and were asked to send in their projects. It was indeed a learning experience for all newcomers as applying for GSoC is the biggest challenge for every new applicant.

On the whole, GLUG was more than active in executing its work. What all was planned in the beginning of the year had been executed while fresh new ideas have been pooled in for the subsequent year.

v. Maths 'N' Tech club

Established in 2004, Maths N Tech Club was conceived with the concept of creating a platform to engender in students fervor for Mathematics, by emphasizing its benefits and want for logic, through a multitude of intriguing challenges. Due to the uniqueness of the area of emphasis and unending support of our faculty, Maths N Tech Club conquers greater heights with every passing year, as is evident from the grand success of ANK 2K13, the knowledge fest of NIT Durgapur, organized by Maths N Tech Club and also the magazine Anveshan, which has received favourable reviews all around.

vi. Music Club

The music club originated as an initiative to harness and exploit the crossover sonic and musical sense amongst the institute folks. Since its inception it served as a primary outlet for those who wished to showcase their talent in and around the campus. It has now performed all major institute events such as the Recstacy, Aarohan, Verve, Motor Zundung and so on and so forth. Recstacy over the last year saw the club hosting "Pandemonium", a band competition where student music bands from Eastern India came to battle it out. One of the most momentous achievements has been the "NIT Idol", which was loosely based on the popular TV show by a similar name. It was held at Recstacy as well. Another event by the name of "Karaoke", a literal named event was also showcased. The club also had its members compete in fests outside the campus, like "Rock on" (Junction's annual band competition), Zephyr (NPTI band competition) etc.

vii. Chayanika

CHAYANIKA aims to patronize the sense of art and culture among the students of NIT Durgapur. It upholds the spirit of the students to participate and thereby exploring the vast cultural diversity that this country has to offer. The annual cultural programme 'ELIXIER' offers a plethora of cross cultural events for the students.

viii. Prakriti

Prakriti, The Official Environmental Club of NIT Durgapur takes the initiatives to create awareness on our Environment amongst the masses and to promote Engineering considering sustainable development. This club remains active throughout the year and every time comes up with a new astonishing event which directly triggers the heart of the members and participants towards the need for the protection of Mother Earth. Be it Campus Cleaning, where you actually get the chance to feel the Mother Earth or Envoice, where you get a chance to speak out your heart out on our Environment or Earth Hour, where you get a chance to do your best for the nature by switching off the lights for 60 minutes (Of course, we all enjoy the mesmerizing lantern show). Other good events are Paper Presentation, Village Trip, Green Diwali, RuNIT. Not only this, Prakriti also comes with new and innovative project ideas which redefine the meaning of Engineering in a better sense. Composting project of Prakriti is one such which converts spoil into soil. The best part of Prakriti is the cooperation of all its members to make all events successful, though no one can deny the bond Prakritians share among themselves.

ix. SPIC MACAY Heritage Club

SPIC MACAY (Society for the Promotion of Indian Classical Music and Culture Amongst Youth) Club has been associated with various cultural and social activities in and outside NIT Durgapur throughout the year.

Following is the list of activities which were conducted by the club during 2016-17:

1. VIRASAT :The annual Indian cultural festival of NIT Durgapur was successfully conducted during 24th – 26th of February, 2017. NIT Durgapur witnessed performances by some of the most eminent personalities in the field of Indian Classical Music, Art and Culture.

The performances included:

- Manipuri dance by Smt. Preeti Patel and her crew “Anjika”.
- Santoor performance by Pdt. Tarun Bhattacharya
- Rajasthani folk performance by Deen Mohammad and his group “TharLok Kala Sansthan”.
- Carnatic violin performance by Pdt. Lalgudi GJR Krishnan.
- Kathak performance by Dr. Malabika Mitra.

Besides Virasat was enriched by various classical performances by the students of our Institute.

Virasat was not only limited within the boundaries of NIT Durgapur. A large number of the audience comprised of the students and teachers from various renowned schools and colleges of Durgapur and Kolkata.

2. SPIC MACAY NIT Durgapur Chapter in association with NSHM successfully conducted a programme in NSHM where Pdt. Lalgudi GJR Krishnan was invited as the prime artist.
3. Student volunteers of the club visited various schools to enlighten the students about Indian culture and we received a good response from them as well.
4. **UTTARAYAN:** The annual Kite Festival of NIT Durgapur was conducted successfully during Makar Sankranti. More than 200 enthusiastic participants were present which included students, staffs and the esteemed professors of our Institute. UTTARAYAN commemorates a very important Indian festival and the participants tend to relive their childhood by participating in it.
5. **Art Workshops :** The club, in association with BMEP (Bihari More Education Project) conducted art workshops and contests for little children. SPIC MACAY really feels happy for being able to bring smile on the faces of the underprivileged children.
6. **Spreading social awareness:** Even during the semester breaks SPIC MACAY NITD plays an active role in spreading awareness about various social issues amongst the youth by publishing various articles and artworks over the internet.
7. **Art and Writing contests:** Lahar and Chitralkha, online art and writing contests were successfully conducted. It was open to all and therefore received more than 100 entries. These contests helped to discover various artists amongst the budding engineers. The contests received entries from students of various age groups and most interestingly Lahar was won by two school students.
8. **Music and Dance contests:** Goonj and Coalesce, two contests were organized during RECSTACY 2017. Eminent judges from various music and dance schools were invited and the contests had a good number of participants from our Institute.
9. **Performances in various Institute events:** SPIC MACAY actively performs in all the students' fests and various events conducted by the Institute, namely, International Physics Conference, NITDAA 2017 meet, and various important days which are celebrated in our Institution such as Republic DAY, Independence Day, Matri Bhasa Diwas etc.).

x. Enteract Club

In its incumbency of just 3 years the club has attained new heights of success and achievements. The club not only takes charge of the entertainment arena but also undertakes the awareness part through modes of street plays, drama and through short films. The club has organized plays on Independence day, Republic day, Teacher's day and a street play for NSS (National Service Scheme). Besides, the club takes active participation in other fests of the institute including a stall at ANK and performances at the cultural fest RESCTACY and ELEXIER. More a family, the club members have put up excellent performances at other institutes including street plays and dramas at IIT-KGP SPRINGFEST and even winning first prize at on spot drama event called curtail call. It also participated in RENDEZVOUS at IIT DELHI. In the coming voyage the club ventures to participate in cultural activities of institutes like, IIT KANPUR (ANTARAGNI), ISM DHANBAD. Moreover the club is in extreme verge of bringing out a magazine on drama and culture plus organizing periodic workshops on the art of drama, etc. Amidst the plethora of success the club aims to make ENTERACT the best dramatic club of nation by redefining drama and culture and taking it to a new scale.

xi. Dance Club

The Dance Club, affectionately called DC, was formed in the institute in the year 2003-04. The Dance Club, as the name suggests, consists of active members who have keen interest in dance and have been active in promoting it in the institute. It also aims at identifying this talent in the students and providing a platform for them to showcase it. Dance forms like BREAKING, POPPING, STREET DANCE and CLASSICAL are engulfed in our domain, as we believe in bringing variety to the club. DC participated in institute events like ANK, VERVE and AAROHAN.

xii. Radio Nitroz

Formed in the year 2006-07, RADIO NITROZ is NIT Durgapur's very own Campus Radio Station. During the 3-4 hour transmission in the evening from Monday to Friday, the campus people are kept updated with campus news and other interesting shows. Aside from airing shows, the club also conducts fun events in association with other clubs in various fests.

xiii. Literary Circle

Literary Circle of NIT Durgapur is the melting pot for people who think differently. It serves a platform for people whose proclivity and passion towards creativity and the need for expressing makes them stand outside the rigors of engineering life. Amongst other things, we publish two editions of the official institute newsletter – the Déjà vu every semester. We also bring out the Yearbook- the Episode, a collection of memories which is much appreciated, for the graduating batch each year. Verve, the annual literary-cum-youth fest of NIT Durgapur is also conducted by us, with a plethora of events and workshops to enchant and enthrall all. We also started the first Model United Nations Conference- NITMUN in an engineering institute in Eastern India. Since then we have been able to organize three editions of NITMUN with an outstanding success with participation from India and abroad. Our other works include Calliope- book reading society, literati etc.

xiv. Quiz Inc

Quizinc is the official quiz club of NIT Durgapur and it is popular for being one of the most proactive student clubs in the institute. It was started in 2003 by two students Anup Nair and Harish Mohan and ever since its inception it has become one of the premier quizzing groups in India. It organizes fortnightly quizzes throughout the year, each one being of a unique genre namely India quiz, Biz quiz, Sports quiz, Myths and Fantasy quiz, Tech quiz, Newspaper quiz etc. Each of these quizzes sees houseful participation and a stiff competition among the participants.

Every year in the even semesters, Quizinc organizes, Quizzitch Cup, the largest quizzing fest of Eastern India. Spread over three days it is comprised of some fiercely contested quizzes some of which are: Tech quiz, Auto quiz, MMS quiz, MELA quiz, Biz quiz and the General quiz. This three day extravaganza sees participation from quizzers of different parts of the country. Quizinc strives to serve its main motto of spreading knowledge through fun and entertainment and has been very much successful so far.

xv. Club Communion

It aims to develop the qualities of imagination, innovation and integration among the students, group discussion and public speaking.

xvi. Student Gymkhana

The Students' Council of NIT Durgapur, better known as the Students' Gymkhana is the elected body by all the sections of students of the Institute and apolitical in nature with a tenure of one year. It is the mouthpiece of the students and suggestions as well as action required for the improvement of the Institute are channelized by Gymkhana to the Institute authority. It organized Fresher's Welcome for 2016-17 batch, in Students' Activity Centre with active support from the Institute. The annual cultural festival of NIT Durgapur, Recstasy 2017 was held from 14th-16th April, 2017 with much fanfare, managed by Students' Gymkhana. Online and stage events were organized by the different clubs of the Institute. The main attractions were the mesmerising performances by the star artists in this three day long festival. Overall the event saw huge participation from the Institute students as well as invited students from other colleges.

xvii. NSS

NSS NITD is the National Institute of Technology Durgapur chapter of the National Service Scheme, institutionalized under the Ministry of Youth Affairs & Sports Govt. of India. The Motto of NSS, "Not Me But You", reflects the essence of democratic living and upholds the need for self-less service. NSS helps the students develop appreciation to other person's point of view and also show consideration to other living beings.

In the academic year 2016-17, apart from the regular activities of NSS, the volunteers participated in the celebration of the Republic and the Independence Day of the nation. This year the Independence Day was celebrated as Freedom fortnight (9-23 August 2016) with the theme, "Yaad Karo Kurbaani". Vigilance Awareness Week, National Unity Week, Swachhata Pakhwada, Matribhasha Diwas, Constitution Day, Communal Harmony Week, Unnat Bharat Abhiyaan, and VISAKA Campaign, were some other programs where the volunteers were actively involved. In this session Annual Camp was organized during March 24-26, 2017 at Bansgora village in Durgapur-Faridpur Block, Durgapur. During this camp free medical check-up and treatment was provided to almost 300 inhabitants of the village and nearby localities. In this endeavor, NSS received the full support of doctors from Mission Hospital, IQ City Hospital, etc. of Durgapur area. Individual doctors also served voluntarily and free of cost in this camp. Painting competition for the children, workshop on skill development, sanitation awareness, etc. were some other activities of the camp.

xviii. NCC

The Institute NCC Unit has a senior Division Boys wing under 10 Bengal BN NCC Asansol West Bengal. This wing undertake co-curricular credit course (EA-51 & EA-52) for first two semester B-Tech curriculum as well as participated NCC scheduled programme on regular basis.

xix. Biotechnology Club

Biotechnology club is mostly run by the B.Tech, M.Tech students and the Research Scholars of the Biotechnology Department. The most important objective of the club is to aware the students regarding the recent development of Biotechnology throughout the world. Club organizes various activities throughout the year like seminars, debate and quiz contest etc.

2.9 Examination & Evaluation

The Institute follows semester system of examination. The under-graduate courses are of eight semester (four year) duration. The Institute has been upgraded to National Institute of Technology, Durgapur with Institute of National Importance status and grade system of evaluation has been adopted for the under-graduate students who have been admitted in the year 2003 and onwards. The students are graded with Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA). The SGPA of a semester indicates the academic performance of the student in that semester and CGPA indicates the academic performance of the student from the beginning till the current semester. They are conferred with the degree of Bachelor of Technology (B. Tech.) at the completion of the course.

The PG course in engineering and technology are of four semester duration for the full time students and six semester duration for the part time students and lead to degree of Master of Technology (M. Tech). The Master of Computer Applications (MCA) course is of six semester duration and the Master of Business Administration (MBA) course is of four semester duration and the students are evaluated by Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA). The Master of Science (M. Sc.) course is of four semester duration and All the students of these post-graduate programmes are evaluated by Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA).

2.10 Placement

Training & Placement Department of the institute provides employment opportunities to the final year students and training to the 3rd year students after 6th semester. 469 UG students have been placed in the session 2016-2017. Apart from that few students have opted for higher studies in various IITs and IISc. 110 companies visited the campus including MICROSOFT, AMAZON, ORACLE, AMDOCS, C-DOT, IBM, L&T, TCS, CESC, HSBC, PWC, TATA MOTORS, TATA POWER, RELIANCE, HERO MOTOCORP, EXIDE, BPCL, IOCL.

Annexure-I & Annexure-II provides the UG & PG statistics for placement respectively.

48 companies visited the campus for M.Tech courses and 84 no of students have been placed in the academic session 2016-2017. Rest of the students have gone for higher studies.

23 companies visited for MCA and 33 students have been placed out of total eligible strength of 35.

15 companies visited for MBA and 21 students have been placed out of total eligible strength of 27.

Training and Allied Activities

Industrial Training/ Vocational Training is provided to the students of 3rd year after passing 6th semester. Annexure-III provides the list of companies for each individual branch.

Along with training the department organizes seminars entitled from classroom to boardroom by reputed global players such as TCS, Wipro and VE Commercial (Volvo). Students development activities such as communication and interpersonal skills by reputed organizers are also conducted.

Each year 5 no of students go for Internship in CERN (European Council for Nuclear Research, Switzerland). Foreign universities like ANUS, Singapore also allows NIT students for internship.

2.11 Games and Sports:

The Institute lays emphasis on the promotion of sports and games amongst the students as an essential co-curricular activity and also promotes interaction between different NITs and other Engineering colleges of the country.

Student Activity Centre organized Co-Curricular Credit Course (EA-51 & EA-52) in Physical Education & Sports and its allied branches as a compulsory subject in B-Tech for first two Semesters.

The Student Activity Centre also provides training facilities to all students, staff and the family members of the Institute. It has excellent infrastructure facilities for both outdoor and indoor games. Students are trained in various games and sports by well experienced and qualified coaches. The Institute has two gymnasiums equipped with sufficient number of equipments and the playgrounds (The Lords & The Oval) always bubble with outdoor activities like football, cricket, basketball and athletics. Concrete court facilities are also available in tennis, basketball and badminton. Flood light facility is provided to all the outdoor games. The central playground (The Oval) accommodates a standard athletic track, an excellent pavilion and facilities for all athletic events.

2.12 Staff Position

The Staff position (both teaching and non-teaching) on date of the Institute is given in detail in items 11.5 (a), 11.6 (a) & 11.6 (c).

2.13 Rajbhasha Samiti

As per the directives of the Department of Official Language, Ministry of Home Affairs, Government of India, Rajbhasha Samiti of the institute is committed for the implementation of Official Language at the institute. Through out the year the committee tries to achieve the targets set by the Department of Official Language, GoI, in its Annual Programme. During the session of 2016-2017, the samiti organised several programmes to increase the interest and enhance the use of Hindi at the institute level. The Samiti is also active at the town level in coordination with Town Official Language Implementation Committee (TOLIC). The coordinator actively participated in all the regular meetings and helped in organising different activities by member office of TOLIC. It also sent participants to different activities organised by TOLIC.

Hindi Pakhwada 2016 was the mega event of Rajbhasha samiti in this session. Several activities were organised during this fortnight, such as Poem Recitation Competition, Extempore, Debate Competition, Essay Writing Competition, Drawing Competition etc. For the better promotion of Hindi language the events were broadly divided into two categories: Students and Employees. The winners were awarded attractive prizes, and the participants for different competitions were given the certificate of participation in respective competitions by then Director(I/C) Prof A Gangopadhyaya, and Registrar Brig AS Nijjar.

Matrihasha Diwas: 21 February: was also celebrated at the institute and the samiti in collaboration with NSS, played a vital role in the organisation of the event. In this event the focus was not only on Hindi but other languages like Bengali and Telgu were also in focus. Students not only participated in the programmes in full fervour but also attended the classes that day in their traditional attire to promote their culture along with their mother tongue.

Apart from such events, the coordinator of the Samiti, in coordination with the representative of Department of Official Language, Ministry of Home Affairs, Government of India, tried to conduct courses for Praveen, Prabodh, and Pragma for faculties and staff at the institute only. The course is scheduled at the institute in July-November 2017.

2.14 Notable Achievements shown in Graphs and pictures:

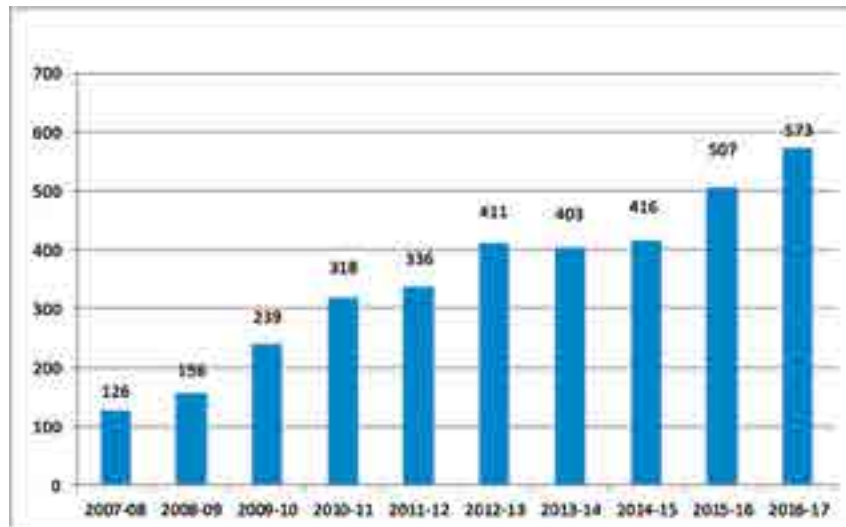


Fig. 1 Publication in journals in the last few years

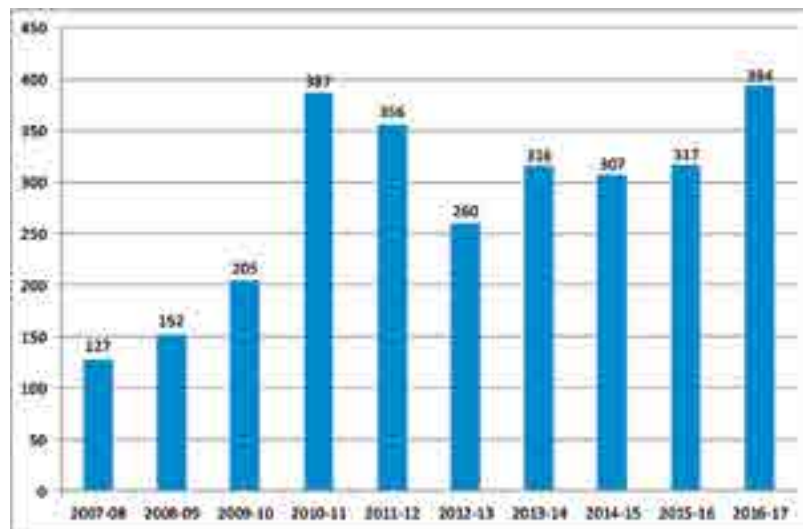


Fig. 2 Presentation in conferences/symposiums in the last few years

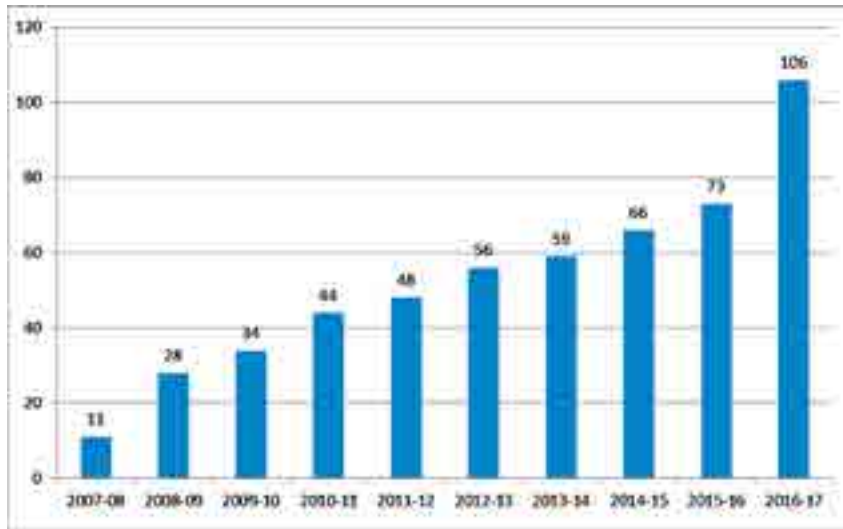


Fig. 3 Number of sponsored projects during the last few years

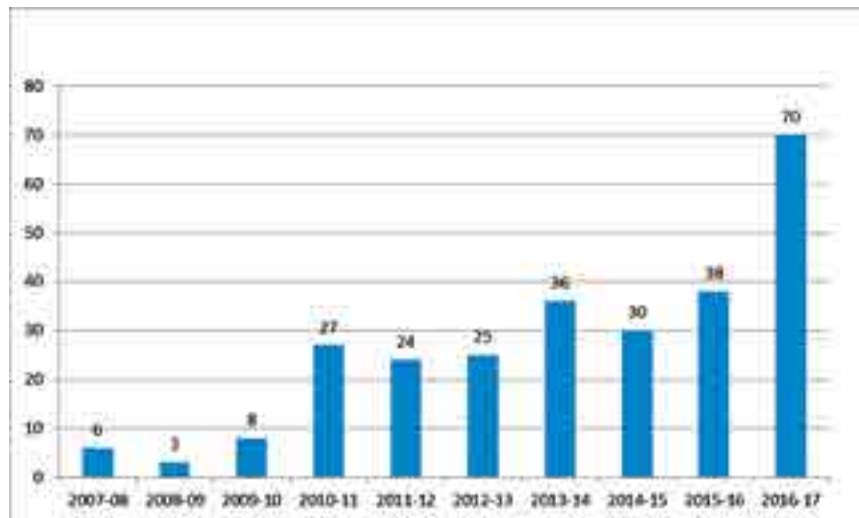


Fig. 4 Number of PhD degrees awarded during the last few years

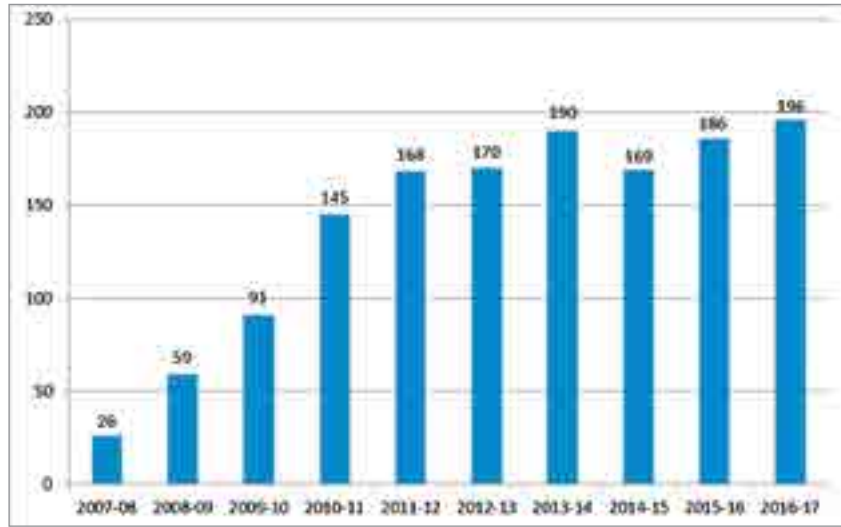


Fig. 5 Reviewers of journals/books during the last few years



Fig. 7 The Eleventh Convocation



Fig. 8 Independence day Celebrations



Fig. 12 Innauguration of New Chemistry Laboratory and Biotechnology Building, NIT Durgapur

3.0 THE STAFF

3.1 Academic Staff (Teaching)

Department of Biotechnology

Sl. No	Name of the post	Name
01	Professor	Chattopadhyay Sudip, PhD
		Dey Apurba, PhD
02	Associate Professor	Aikat Kaustav, PhD
		Chaudhuri Surabhi, PhD
		Dasgupta(Mandal) Dalia, PhD
		Mukhopadhyay Sudit Sekhar, PhD
03	Assistant Professor	Dutta Debjani, PhD
		Ghosh Monidipa, PhD
		Khannam Kazy Sufia, PhD
		Roy Barman Subhankar , PhD
		Assistant Professor(On Contract)

Department of Chemical Engineering

Sl. No	Name of the post	Name
01	Professor	Ghanta Kartik Ch., PhD
		Gupta Parthapratim, PhD
		Mondal Tamal, PhD
		Pal Parimal, PhD
		Sarkar Jyoti Prakash, PhD
		Sadhukhan Anup Kr. PhD
02	Associate Professor	Dutta Susmita , PhD
		Halder Gopinath, PhD
03	Assistant Professor	Mandal Mrinal Kanti, PhD
		Paruya Swapan, PhD
		Sikder Jaya, PhD
04	Assistant Professor (On Contract)	Das Bimal, PhD

Department of Chemistry

Sl. No	Name of the post	Name
01	Professor	Mukhopadhyay Bishnu Pada, PhD
02	Associate Professor	Maji Milan, PhD
		Moi Sankar Ch., PhD
		Patra Apurba Kr, PhD
		Sukul Dipankar, PhD
		Saha Rajnarayan, PhD
03	Assistant Professor	Adhikari Utpal, PhD
		Chakrabarty Jitamanyu, PhD
		Panja Sujit Sankar, PhD
04	Assistant Professor (On Contract)	Saha Tanmoy Kr., PhD

Computer Centre

Sl. No	Name of the post	Name
01	Professor	Nil
02	Associate Professor	Nil
03	Assistant Professor	Chatterjee Rajib
		Saravanan C., PhD

Department of Civil Engineering

Sl. No	Name of the post	Name
01	Professor	Bhattacharjee Kamal, PhD
		Bhattacharyya Soumya, PhD
		Das. Amlan, PhD
		Dwivedi. Vijay Kr., PhD
		Roy Purnendu, PhD
		Saha Showmen , PhD
		Singha Roy Dilip Kr., PhD
02	Associate Professor	Banik Atul Krishna, PhD
		Datta Alope Kr, PhD
		Nanda Radhikesh Prasad, PhD
		Samanta Amiya Kr. PhD
03	Assistant Professor	Das Diptesh, PhD
		Karmakar Somnath
		Pal Supriya , PhD
		Roy Pronab , PhD
		Samal Nihar Ranjan, PhD
		Topdar Pijush, PhD
04	Trainee Teacher	Patra Pratik

Department of Computer Science & Engineering

Sl. No	Name of the post	Name
01	Professor	Sanyal Goutam, PhD
02	Associate Professor	De Tanmay, PhD
		Nandi Subrata, PhD
		Pal (Debroy) Tandra, PhD
		Roy Suchismita, PhD
		Sarkar Goutam, PhD
		Choudhury Subhrabrata, PhD
		Nandi Debasish, PhD
03	Assistant Professor	Bhattacharjee Sanghita, PhD
		Dalui Mamta, PhD
		Guha Thakurta Parag Kr.
		Sadhu Sanjib
		Sen Bibhas , PhD
		Changder Subhamoy, PhD
		Choudhury Prasenjit, PhD
		Das Suvrojit, PhD
		Saha Mousumi
		Sarkar Anirban, PhD
		Saha Sujoy, PhD
		Sharma Abhijit, PhD
		Chakraborty Baisakhi, PhD
		Majhi Subhankar
		Mukhopadhyay Sajal, PhD
		Mitra Debasis, PhD
		Das (Daptary) Dipanwita
		Dutta Animesh, PhD
		Howlader Joydeep, PhD
		Jana Nandadulal
4	Assistant Professor (On Contract)	Kisku Dakshina Ranjan, PhD

Department of Earth & Environmental Studies

Sl. No	Name of the post	Name
01	Professor	Gangopadhyay Aniruddha, PhD
02	Associate Professor	Adhikary Kalyan, PhD
03	Assistant Professor (On Contract)	Mondal Sandip , PhD

Department of Electrical Engineering

Sl. No	Name of the post	Name
01	Professor	Banerjee Subrata, PhD
		Dutta Swapan Kumar, PhD
		Ghosh Saradindu, PhD
		Ghoshal Sakti Prasad, PhD
		Ray Nirmal Kumar, PhD
		Thakur Sidhartha Sankar, PhD
02	Associate Professor	Acherjee Parimal , PhD
		Koley Chiranjib, PhD
		Mahato Sankar Narayan , PhD
		Saha Tapas, PhD
03	Assistant Professor	Barman Jitesh Ch.
		Bhowmik Partha Sarathee, PhD
		Das Avinandan
		De Jayati, PhD
		Sarkar Supriya, PhD
04	Assistant Professor (On Contract)	Halder Suman, PhD
05	Trainee Teacher	Dey Rajiv

Department of Electronics and Communication Engineering

Sl. No	Name of the post	Name
01	Professor	Bhattacharjee Anup Kr., PhD
		Ghatak Rowdra, PhD
		Kundu Sumit, PhD
		Maji Banshi Badan, PhD
		Mahanty Goutam Kr., PhD
		Mahapatra Rajat, PhD
02	Associate Professor	Mal Ashis Kr., PhD
		Sadhukhan Tapas, PhD
		Chandra Anirudha, PhD
03	Assistant Professor	Dhar Roy Sanjoy , PhD
		Kar Rajib, PhD
		Majumder Aurpan
		Mandal Sujit Kr. PhD
		Mondal Durbadal, PhD

Department of Humanities

Sl. No	Name of the post	Name
01	Professor	Sengupta Partha Pratim, PhD
02	Associate Professor	Nil
03	Assistant Professor	Banerjee Joydeep, PhD
		Modak Arindam, PhD
		Rai Srikrishan, PhD

Department of Management Studies

Sl. No	Name of the post	Name
01	Professor	Roy Mousumi, PhD
02	Associate Professor	Bandopadhyay Goutam, PhD
		Dutta Avijan, PhD
03	Assistant Professor	Banerjee Nilotpal, PhD
		De Anupam, PhD
		Mondal Kaushik, PhD
		Pal Durba, PhD
		Sarkar Subhadip
04	Assistant Professor (On Contract)	Ghosh Amlan, PhD

Department of Mathematics

Sl. No	Name of the post	Name
01	Professor	Basu Kajla, PhD
02	Associate Professor	Sarkar (Mondal) Seema, PhD
		Kar Samarjit, PhD
03	Assistant Professor	Bagchi Satya, PhD
		Dey Lakshmikanta, PhD
		Maitra Sarit, PhD
		Pal Anita, PhD
		Pal Pinaki, PhD
		Panigrahi Goutam, PhD

Department of Mechanical Engineering

Sl. No	Name of the post	Name
01	Professor	Basak Indrajit, PhD
		Banerjee Nilotpai, PhD
		Halder Biswajit, PhD
		Majumder Manik Chandra, PhD
		Mullick Amar Nath, PhD
		Saha Anup Kr., PhD
02	Associate Professor	Biswas Arup Kr.
		Layek Apurba, PhD
		Mitra Ambuj Kr
		Mukhopadhyay Sumit, PhD
		Hui Nirmal Baran, PhD
		Puri Asitbaran, PhD
		Pramanik Achinta Kr, PhD
		Roy Shibendu Shekhar ,PhD
03	Assistant Professor	Bera Biswajit
		Das Asim kr.
		De Jagannath
		Karmakar Sujit, PhD
		Khan Kallol, PhD
		Mitra Ranjan Kr.
		Patari Animesh
		Pramanik Shantanu, PhD
		Rana Subhash Ch., PhD
04	Trainee Teacher	Barman Rabindra Nath, PhD
		Akram Wasim
		Kumar Deepak

Department of Metallurgical & Materials Engineering

Sl. No	Name of the post	Name
01	Professor	Ghosh. Karuna Sindhu, PhD
		Mitra Swapan Kumar, PhD
02	Associate Professor	Bhattacharya. Ashish, PhD
		Maity Joydeep, PhD
		Roy Rabindranath
		Pramanik Susanta, PhD
03	Assistant Professor	Bera Supriya, PhD
		Ghosh Madan Mohan, PhD
		Mandal Durbadal, PhD
		Mondal Manas Kr., PhD
		Show Bijay Kr, PhD
04	Assistant Professor (On Contract)	Mallik Manab, PhD
		Maji Barnali, PhD

Department of Physics

Sl. No	Name of the post	Name
01	Professor	Kumbhakar Pathik, PhD
		Meikap Ajeet Kr., PhD
02	Associate Professor	Chakraborty Amit Kr, PhD
03	Assistant Professor	Basu Soumen, PhD
		Chaudhuri Hirok, PhD
		Mandal Mrinal Kanti, PhD.
		Sahoo Sukdev, PhD
		Mondal Aniruddha, PhD

Further detail of faculty positions are given in Annexure 11.5(a) to 11.5(d).

3.2 Non-academic Staff (Non-teaching)

The non-academic Staff (non-teaching) of the Institute consists of competent officers, technical and administrative persons. The details of the non-academic staff position are given in Annexure 11.6(a) to 11.6(e).

3.3 Training Status

The Institute provides ample opportunities to the Faculty to attend Seminars, Conferences, Short-Term Programmes etc. in India and abroad. Details are given in Annexure 11.7(a) & 11.7(b).

3.4 Placement of Staff for Academic excellence

To encourage teaching and non-teaching staff, the Institute provides opportunities in the form of leave for higher studies/research and taking up research projects from outside agencies. Faculty members and staff of the Institute are also encouraged to attend summer and winter schools, seminar, workshops etc. on the emerging areas. Research papers are regularly published in national and international journals. The details of publications, doctoral programmes, research projects, etc. are given in Annexure 11.4(a) to 11.4(i).

4.0 TEACHING PROGRAMMES

4.1 Programmes Offered

The programmes offered by the Institute have already been mentioned in item number 2.6. For further elaborations item numbers 11.8 (a) and 11.8 (b) may kindly be referred to.

4.2 Programme-wise Enrolment with Gender, Caste Break-up

4.2 A1. Enrolment in B. Tech. Programmes during 2016-2017 Session (Genderwise):

Vide Annexure 11.8(b) 1.

4.2 A2. Enrolment in B. Tech. Programmes during 2016-2017 Session (Castewise):

Vide Annexure 11.8(b) 2.

4.2 B1. Enrolment in M. Tech. & M. Sc. Programmes, 2016-2017 (Gender wise):

Vide Annexure 11.8(b) 3.

4.2 B2. Enrolment in M. Tech. & M. Sc. Programmes, 2016-2017 (Caste wise):

Vide Annexure 11.8(b) 4.

4.2 C1. Enrolment in MCA Programme during 2016-2017 Session (Gender wise):

Vide Annexure 11.8(b) 5.

4.2 C2. Enrolment in MCA Programme during 2016-2017 Session (Caste wise):

Vide Annexure 11.8(b) 6.

4.2 D1. Enrolment in MBA Programme during 2016-2017 Session (Gender wise):

Vide Annexure 11.8(b) 7.

4.2 D2. Enrolment in MBA Programme during 2016-2017 Session (Caste wise):

Vide Annexure 11.8(b) 8.

4.2 E. Enrolment of Research Scholars for PhD work during 2016-2017 (Full time & Part time):

Vide Annexure 11.8(b) 9.

4.3 Admission Statistics – UG/PG Programmes

The details of the admission statistics is given in Annexure – 11.8(c)1. to 11.8(c)5.

4.4 Students' Total Strength

Sl No	Name of the programme	Total Number of Students
1	Bachelor of Technology	3165
2	Master of Technology	654
3	Master of Computer Applications	166
4	Master of Business Administration	48
5	Master of Science	68
6	PhD	757
TOTAL		4858

4.5 The Hostels

Staying in hostels is mandatory for all undergraduate students of the Institute. Accommodations are provided to GATE-qualified M Tech students, too. The Institute has seven halls of residence for the male students of which five halls are of 250 seats capacity each, one is of 360 seats capacity and the other can accommodate 120 students. Three of these halls have single-seated rooms for senior students. The Institute has also several halls of residence and the details are given below:

Hostels	Boys/Girls	Actual student Capacity	Number of students accommodated
Hall-1	Boys	650	636
Hall-2	Boys	252	316
Hall-3	Boys	336	320
Hall-4	Boys	252	252
Hall-5	Boys	380	380
Hall-6	Girls	119	172
Hall-7	Girls	194	166
Hall-8	Girls	125	125
Hall-9	Boys	548	462
Hall-10	Girls	332	332
Hall-11	Boys	702	592
Hall-12	Boys	170	97
A & B Type Qr.	Girls	73	62

4.6 Scholarships/Assistance

The Department of TPSW helps the students to avail several scholarships under various schemes which are listed in the annexure 11.9(a). Moreover, the Institute provides merit-cum-means scholarship to some of the needy students of the Institute.

4.7 Games and Sports

The Institute organized various intra NIT tournaments through out the year in the fields of football, volleyball, basketball, table tennis, cricket, chess, tennis, badminton, athletics, yoga and martial art.

In the year 2016-2017 Institute participated in the following All India Inter NIT & other Games & Sports meet.

1. All India Inter NIT Basketball Tournaments organized by NIT Jaipur during November 05-07, 2016.
2. All India Inter NIT Cricket & Swimming Tournaments organized by NIT Rourkela during January 27-30, 2017.
3. National Level sports Fest MST-17 in Football organized by NIT Jaipur during February 17-19, 2017.
4. All India Inter NIT Volleyball, Hockey, Handball & Yoga Tournaments organized by NIT Surathkal during March 17-19, 2017.
5. All India Inter NIT Badminton & Tennis Tournaments organized by NIT Tiruchirappalli during March 24-26, 2017.
6. All India Inter NIT Track & Field, Body Building & Power Lifting Tournaments organized by NIT Kurukshtra during March 06-08, 2017.
7. National Level Sports Fest (Sangram- 17) in Table Tennis & Chess tournaments Organized by IIT Roorkee during March 31- April 02, 2017.

4.8 Awards

The details of the awards received by the students and the faculty are given in Annexure 11.9(b).

4.9 Examination Details

Written examinations are held at the end of every semester (generally of 3 hours duration) for the theory papers. B. Tech. examinations are arranged centrally by the Academic Section while the postgraduate examinations are being conducted by the respective departments from the academic year 2008-09, with partial support from the Academic Section, whenever necessary. The students are also continuously assessed through class tests, viva-voce and the class attendance. For the laboratory and sessional classes, the assessments are continuous and supported by viva-voce /examination at the end of the semester. The methods of the evaluation systems on such assessments are given below.

SGPA- CGPA System

All the subjects in a semester carry credit units depending on the contact hours per week and nature (lecture/ tutorial/ sessional/ laboratory) of the class. The full marks for all the subjects both theoretical and sessional/ laboratory are 100. The percentage mark of a theoretical subject consists of 30% by continuous assessment, and 70% through end semester examination. The total mark obtained in a subject is converted to appropriate letter grade by the subject teacher(s) and dispatched for result compilation. In general, the number to grade conversion and the corresponding grade value is as follows:

90 and above: Ex (10); 80-89: A (9); 70-79: B (8); 60-69: C (7); 50-59: D (6); 40-49: P (5). Below 40 in theory subject or below 50 in sessional/ laboratory: F (0). Failure in Sessional / laboratory is required to repeat the semester through readmission. In case of absent in end-semester examination: X (0).

The product of the grade value and the credit unit of that particular subject is the grade point earned by the student in that subject. The total grade point (TGP) is the summation of all such grade points. Semester grade point average (SGPA) = (TGP) / Total credit unit of the semester, rounded up to second place of decimal. If a candidate cleared all the subjects, he is declared as passed in the grade sheet, otherwise supplementary. Supplementary candidate(s) will be allowed to appear in the supplementary examinations for the subject(s) in which he/she was failed. Fresh grade sheet is issued for such candidates with improved SGPA. The grade obtained by the candidates in the subject(s) for which he/she had appeared for the supplementary examinations are decreased by one step at the time of compilation of the supplementary examination results. Unsuccessful candidates in the supplementary examination are required to repeat the semester through readmission. Two such readmissions are permitted in the whole undergraduate studentship. The CGPA is also indicated in the grade sheet, which is the indicator of the student's continuing performance given by the ratio of the total grade point scored by the student up to the current semester and the total credit unit of all the subjects up to the current semester. Based on the CGPA at the end of the final semester the classes are awarded as follows: CGPA ≥ 8.00 First class with Distinction; $8.00 > \text{CGPA} \geq 6.50$ First class; the rest of the passed candidates get Second class.

Similar system is followed for the M. Tech., M. Sc., MBA and MCA programmes. In some project based courses in MBA, the 70/30 ratio as indicated above is changed according to need as a special case.

The results of the end semester examinations (both Undergraduate and Postgraduate) are compiled centrally by the Examination Cell.

4.10 Training and Placement

The Institute provides industrial training and placement to the students through the Department of Training, Placement, and Students' Welfare. The students are given an insight of the corporate industry via various vocational training programmes facilitated by the department. The department believes that such an insight is quite crucial and helps the students in understanding the professional aspects along with the technical details of their probable future jobs. Along with training sessions (ranging between 3 to 5 weeks), the department also organises plant visits to various organizations in and around Durgapur. Apart from providing industrial training, the department also helps the students in preparing for campus recruitment drives by developing their communication and interpersonal skills through certain development programmes, which include conducting mock group interviews. It also takes care of inviting reputed firms from all over to hire students through their campus recruitment drives.

5.0 RESEARCH AND DEVELOPMENT ACTIVITIES

5.1 Proposed Plan for Research

Proposed Plan for Research

Vide Annexure – 11.4(g) 1

5.2 Details of PhDs done so far

Vide Annexure - 11.4(h) 1

5.3 Institute-Industry Collaboration during 2016-17

Department of Biotechnology

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
Aaranya Biosciences Private Limited, Chennai, 603103, Tamil Nadu, Kancheepuram District. (Dr. M. Ghosh)	Diagnostics and in vivo testing	Research and Development
Dhuliajan and Jorajan Oil Fields (Assam), Oil India Ltd. (Dr. Sufia Kazy)	Microbial bioremediation of oil containing sludge	Research and Development
Digboi Refinery, Assam, Indian Oil Corporation Ltd. (Dr. Sufia Kazy)	Microbial bioremediation of oil containing sludge	Research and Development
Guwahati Refinery, Assam, Indian Oil Corporation Ltd. (Dr. Sufia Kazy)	Microbial bioremediation of oil containing sludge	Research and Development

Chemical Engineering

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
Burdwan Rice Mill Association	Water Treatment	Technology Developing for rice mill waste water Treatment
Global Aqua Tech, Prof.P.Pal	Water Treatment	Field implementation of Novel Water Technology
Xcelris Labs Limited, Ahmedabad	Micoalgal vitamin extraction	Research and Development

Department of Chemistry

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
Berger Paints India Ltd., West Bengal	Collaborative research	Collaborative research leading to M. Tech Degree

Department of Civil Engineering

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
M/s Burnpur Ceramics		
Mithani, Burdwan-713 371	M Tech Project	Manufacturing of Refractory Bricks using industrial wastes
West Bengal State Rural Roads Development Agency	Roads	Preparation of Detailed Project Reports for roads under Pradhan Mantri Gram Sarak Yojana (PMGSY). Inspection of roads

Department of Computer Science and Engineering

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
Wipro	Intel HPC Code Modernization (Parallelization)	Institute-Industry Research
TCS	Internship and Expert Collaboration	Institute-Industry Research

Department of Electrical Engineering

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
CENTRAL POWER RESEARCH INSTITUTE, BANGALORE	High Voltage Testing, New insulating material as Nano-fluid	Regular students and faculty visit, validation of testing and use of test facilities
M/S Shruti Electricals, Kolkata	Development of HV testing equipment with IoT features	Regular students and faculty visit, development activities for IoT enabled features
M/S XPro India Ltd, Barjora, Bankura	New insulating material for capacitor film	Students and Faculty visit, creation of new testing facilities.

Department of Metallurgical & Materials Engineering

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
Durgapur Steel Plant, Durgapur	Metallurgy	Research and Development
Alloy Steel Plant. Durgapur	Recycling of EAF Dust	Research and Development
CSIR-NML, Jamshedpur	Metallurgy	Research and Development
CSIR-CMERI, Durgapur	Materials Processing	Research and Development
IEST, Shibpur, WB	Metallurgy	Research and Development

Department of Management Studies

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
Indian Oil Corporation Ltd	Manpower Training	Training of Retail Outlet Dealers

Department of Mechanical Engineering

Collaborating Institute / Organization	Areas of collaboration	Collaboration Activities
Foundry Cluster Development Association , Kolkata	Foundry practice	Training, Research and Development

5.4. Innovations and Technology Transfer

Patent filed during 2016-17

Department of Biotechnology

Title	Inventors	Application No.	Date of filing
Sequential Ultraviolet Mediated Mutagenesis for Enhanced Production of Rapamycin	Dutta, S. and Dey, A.	201631036780	26/10/2016

Department of Chemical Engineering

Title	Inventors	Application No.	Date of award
Membrane-integrated-Hybrid Treatment System for Arsenic Removal	Prof.P.Pal Chemical Engg.	766/KOL/2011	2/9/2016

Department of Computer Science and Engineering

Title	Inventors	Application No.	Date of filing
Personal Authentication Biometric System based on Fingers Structure	Bhushan, V.S., Saravanan, C.	201631012245	13-05-2016

Department of Electrical Engineering

Title	Inventors	Application No.	Date of filing
Stable rotation of a magnetically levitated ferromagnetic cylindrical body	Banerjee S	1429/KOL/2012	19.12.2012. Publication Date :20.6.14

5.5 Workshops/Seminars Organised by the Institute (2016-17)

Department of Biotechnology

Sl.	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1.	Prof. P. Bhattacharya, Heritage Institute of Technology Kolkata	TEQIP II sponsored short term course on Current Advances in Bioprocess Technology (CABT-2016)	July 20-24, 2016
	Prof. S. Datta, Jadavpur University.		
	Prof. T. Kumar, ISM Dhanbad.		
	Prof. T.Swaminathan, IIT Madras.		
	Prof Debabrata Das, IIT Kharagpur.		
	Prof. A. Bhowal, Jadavpur University		
	Prof. S. Dey, IIT Kharagpur.		
	Prof. R.K.Sen, IIT Kharagpur.		
	Prof. J. P. Sarkar, NIT Durgapur		
	Prof. Tamal Mandal, NIT Durgapur		
	Dr. Jaydeep Mukherjee, Jadavpur University		
	Prof. A Dey, NIT Durgapur		
	Dr. Dalia Dasgupta Mandal, NIT Durgapur		
	Dr. P. C. Banerjee, Ex. Scientist IICB, Kolkata		
	Dr. Suravi Choudhuri, NIT Durgapur		
	Dr. Susmita Datta, NIT Durgapur		
Dr. Gopinath Halder, NIT Durgapur.			
Dr. Sailen Mandal, NITTTIR			
2.	Prof. Apurba Dey, Biotechnology, NIT Durgapur	Self sponsored short term course on Recent Trends In Industrial Biotechnology (RTIB 2016)	November, 14-18, 2016
	Prof. Tamal Mandal, Chemical Engineering, NIT Durgapur		
	Dr. P. Sar, Associate Professor, Department of Biotechnology, IIT Kharagpur		
	Dr. Surabhi Chaudhuri, Biotechnology, NIT Durgapur, Member		
	Dr. Dalia Dasgupta Mandal, Biotechnology, NIT Durgapur		
	Dr. Debjani Dutta, Biotechnology, NIT Durgapur		
	Dr. Sufia K. Kazy, Biotechnology, NIT Durgapur		

Sl.	Name of Key Speaker(s)	Name of the Programme	Date of the programme
3.	Prof. Sudip Ghosh, IITK	National Symposium on "Current Advances in Molecular Host-Pathogen interactions (CAMPPI- 2017)"	March, 28-30, 2017
	Prof. Malali Gowda, TDU		
	Dr. Syamal Roy, IICB		
	Prof. D. Basu, Bose Institute		
	Dr. S. N. Bhattacharya, IICB		
	Dr. Pallob Kundu, Bose Institute		
	Dr. Mrinal Maiti, IITK		
	Dr. Somdeb Bose Dasgupta, IITK		
	Dr. S. Roy Barman, NITD		
	Dr. Monidipa Ghosh, NITD		

Department of Chemical Engineering

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1	Prof. T. Mandal	Emerging trends of waste management and valorization (etwmv-2016)	July 8-12, 2016
2	Prof. K.C. Ghanta Dr. S. Dutta	Short Term Course on Zero Discharge: Recent Advancement and Sustainability	September 30, 2016 – October 04, 2016

Department of Chemical Engineering

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1	Dr. R.N. Saha, Dr.J. Chakrabarty & Dr. Utpal adhikari	One Week Short-term course on Industrial Application of Chemical Analysis of Environmental Samples under TEQIP-II	27.06.2016 - 07.2016
2	Prof. Pradyut Ghosh, IACS, Jadavpur, Kolkata Prof. Tanmaya Pathak, IIT Kharagpur Dr. Sobhan Sen, JNU Dr. Kaushik Ghosh, IIT Roorkee Prof. Anil Kr. Singh, IIT Bombay Prof. Nikhil Guchhait & Dr. Kamalika Sen, Kolkata University, Prof. Pranab Sarkar & Dr. Adinath Majee, Visva Bharati University, Dr. Ashish Kr. Ghosh, CIMFR, Dhanbad, Dr. Priyabrata Banerjee, CMERI Amiya Kalidaha, DST, GoWB, Prof. Pathik Kumbhakar & Prof. B.P.Mukhopadhaya, NIT Durgapur	3 day National Conference on Recent Development in Chemistry (RDC-16)	October 4-6, 2016

Department of Civil Engineering

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1	Mr. Simanta Ray Chaudhury	Expectation of Corporates & Industries from fresh Graduate Engineers	September 15, 2016
2	Dr. Pronab Roy (Joint Course Coordinator)	TEQIP-II-sponsored short-term course on "Methodology and Ethics in Research" (STCMER 2015)	September 19 - 23, 2016
3	Dr. Prasanta K Sahoo, Florida Institute of Technology, USA	Hydrodynamics of Offshore Structure and Diffraction Theory	November 28, 2016
4	Mr V.K. Chauhan (Senior Chief Project Manager, Oriental Structural Engineers Pvt. Ltd, Delhi)	Major Highway Project Construction and Management from Structural and Geotechnical point of view	March 10th, 2017

Department of Computer Science and Engineering

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1.	Prof. A. K. Roy, Director, IEST, Shibpur. Prof. P. K. Biswas, IIT Kharagpur Prof. K. K. Biswas, IIT Delhi Dr. S. Mukhopadhyay, IIT Kharagpur	Short Term Course on Image Processing, Security and Communication	6-10 June, 2016
2.	Dr. Koushik Sen, University of California, Berkeley, USA	Software Engineering: Current Challenges and Research prospects	18th July, 2016
3.	Mr. Ajay Kumar, WIPRO Ltd., Gurgaon.	Workshop on High Performance Computing: Code Modernisation.	25th August, 2016
4.	Maharaj from RKM Director, CMERI Prof. Kamala Banerjee, Retd. Professor, Dept. of HSS, NIT Durgapur Representative from Cyber Crime Branch, Kolkata / ADPC. Mr. Sujit Kumar Mukherjee, OC, ADPC Advocate Rajarshi Roy Chowdhury, Cyberguru Dr. Kedar Ranjan Banerjee, Counseling Psychologist	Methodology and Ethics in Research	19-23 September, 2016
5.	Prof. C. V. Murthy, ISI Kolkata Prof. Umapada Pal, ISI Kolkata Prof. P. K. Bora, IIT Gwahati DR. A. Chowdhury, Jadavpur Univ.	Short Term Course on Computer Vision, Pattern Recognition and Image Analysis.	3-7 October, 2016
6.	Prof. Chandan Mazumder, JU Prof. Sukumar Nandi, IIT Guwahati Dr. Gaurav Gupta, MeitY, New Delhi Dr. Amit Choudhuri, CDAC Kolkata	Digital Forensics: Theory to Practice	9-13 January, 2017

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
7.	Prof. P. K. Biswas, IIT Kharagpur Prof. Umapada Pal, ISI Kolkata Prof. D. Mukhopadhyay, ISI, Kolkata Prof. U. Maulik, Jadavpur Univ.	Short Term Course on Emerging Trends in Signal and Image Processing, Computer Vision and Pattern Recognition	8-14 March, 2017
8.	Prof. Amitava Chatterjee, Jadavpur University Prof. Siddhartha Bhattacharyya, RCCIIT Dr. Anirban Mukhopadhyay, KGEC	TEQIP-II Sponsored One day Symposium on "Machine Learning and Applications"	22nd March, 2017

Department of Electrical Engineering

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1.	Prof N K Roy, NIT Durgapur, Prof L Satish, IISc Bangalore, Prof N K Kishore, IIT Kharagpur Dr C Koley, NIT Durgapur	One week TEQIP sponsored short term course in "Recent Development in Insulation, Testing Technique and Monitoring of High Voltage Power Apparatus (ITTMHV 2017)" at NIT Durgapur	During March 7-11, 2017 under TEQIP II.
2.	Prof N K Roy, NIT Durgapur, Prof P Kumbhakar, NIT Durgapur, Dr J Howladar, NIT Durgapur	One day MHRD sponsored "NMEICT Programme at Garubathaan Government College, Garubathan-735231, WB	During November 9, 2016
3.	Faculty members of NIT Durgapur, IEST Shibpur, Jadavpur University	Emerging Trends and Challenges of Modern Power Systems (ETCMPS 2016)	July 5-9, 2016
4.	Faculty members of IIT Bhubaneswar, IIT kharagpur, NIT Durgapur, Technical advisor of MiPower	Intelligent Tools in Smart Grid (ITSG 2016)	7-11 June, 2016
5.	Dr. Anirban Mukherjee, IIT Kharagpur, Prof. A. B. Bhattacharyya, Chairman, NIT Durgapur, Dr. C. Dey, Calcutta University, Kolkata, Prof. R. Bandyopadhyay, Jadavpur University, Prof. Sivaji Chakravorti, Director, NIT Calicut	Smart Sensing and Intelligent Systems (SSIS 2016)	June 14-18, 2016
6.	Prof. C. K. Chanda, IEST Shibpur Prof. Avijit Chakrabarty, IEST Shibpur, Prof. S. K. Goswami, J.U. Prof. A. Chatterjee, J.U. Mr. G. K. Chanda, DVC, Maithon	Emerging Trends and Challenges of Modern Power Systems (ETCMPS 2016)	July 5-9, 2016

Department of Management Studies

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1	Professor Lassi Linnanen & Professor Mousumi Roy	GIAN Course on Managing the Transition Towards Low Carbon Society	21-28 NOV 2016
2	Pof. Kanika T. Bhal and Dr.Suchi Sinha from DMS, IIT Delhi, Dr. A.Uday BHaskar from IMT Ghaziabad	TEQIP-II Sponsored Management Training Programme, 2017	March 2-4, 2017
3	Prof. Vidyanand Jha and Prof. Abhishek Goel from Indian Institute of Management Calcutta	TEQIP-II Sponsored Management Training Programme, 2017	March28-30, 2017

Department of Mathematics

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1.	Jordi Soriano Fradera, University of Bercilona, Spain	GIAN course on Complexity and Non-linear dynamics in biological systems	September 12-16, 2016
2.	Prof. Michael Gr. Voskoglou's, Technological Educational Institute , Greece.	GIAN Course on Finite Markov Chain and Fuzzy Models in Management and Education	October 03-07, 2016
3.	Prof. Mukti Acharya, DTU, Delhi. Dr. C Deshpandey, Pune Engg. College, pune. Dr. Pranjali, DTU, Delhi	One week Workshop on Signed Graph and Semi Graph WSGSG-2016	October 03-07, 2016.
4.	Prof. S.K Bose, SNBNCBS, Salt Lake, Kolkata	One day Workshop on Non-linear equations of turbulent open channel flows	March 17, 2017.
5.	Jyotirmoy Sarkar, Indiana University Purdue University Indianapolis	One day workshop on "Limiting Availability in Reliability Theory "	March 10, 2017.

Department of Metallurgical & Materials Engineering

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1	Prof. K.K. Ray (IIT, Kharagpur) Prof. S. Ghosh (IIT, Kharagpur) Faculty Members of MME Dept. and other dept. of NIT Durgapur	Short Term Course on "Mechanical Behaviour and Modelling of Materials" (MBMM-2017) (under CoE, TEQIP-II)	Feb. 06 - 10, 2017
2	Prof. R. Mitra, IIT Kgp	Processing, Characterization and Applications of Advanced Materials (PCAAM-2017) (under CoE, TEQIP-II)	February 27-March 03, 2017

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
3	Prof. A. N. Tiwari (Empa Switzerland) Prof. C. Jagadish (Australian National University, Australia) Prof. S. Maikap (Chang Gung University, Taiwan) Dr. V. R. Dhanak (University of Liverpool, United Kingdom)	The 2nd International Conference on Emerging Materials: Characterization & Application (EMCA-2017)	March 15-17, 2017

Department of Mechanical Engineering

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1.	Prof. S. Bhowmik, IEST Shibpur Prof. A. Datta, IIT Kanpur Prof. S. K. saha, IIT Delhi	Short term course on 'Advances in Mechatronics, Rehabilitation, Robotics and Embeded Systems,(AIMRES2016)	August 12-17, 2016
2.	Dr. D. Sen, IISc Bangalore Prof. A. Chakraborty, IISc Bangalore Prof. B. Basu IISc Bangalore Dr. N. C. Murmu, CMERI Durgapur	Short course on 'Product Design and development' (PDD2016)	August 29-September 3, 2016
3.	Dr. R. K. Biswas CMERI Durgapur Dr. S. Sarangi, IIT Patna Dr. K. Patra, IIT Patna Dr. P. saha, IIT Patna Dr. R. K. Dwivedi, NIT Bhopal	Short term course on 'Machine Condition Monitoring' (MCM2016)	September 20th-24th, 2016
4.	Prof. R. Ganguly, Jadavpur University Prof. S. Chakraborty, IIT Kharagpur Prof. S. K. Das, Director, IIT Ropar Prof. S. Basu, IISc Bangalore Prof. T. B. Gohil, VNIT Nagpur Dr. S. K. Samanta, CMERI Durgapur Prof. H Chattopadhyay, Jadavpur university	TEQIP-II Sponsored 5 days Short Term course "RECENT ADVANCES IN THERMAL- FLUID SCIENCE AND ENGINEERING" (RATFSE 2016)	September, 26-30, 2016
5.	Gaurav Sharma, Vaibhav V, Hemant Puneekar	Hands on training on FLUENT	February 24 to March 2, 2017
6.	Faculties from VGSOM, IIT Kharagpur	Project management, time management, Office automation & cyber security	March 20-25, 2017

Department of Physics

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1	Prof. P. Pramanik, GLA University, Mathura Prof. KK Chattopadhyay, Jadavpur University Prof. S Dhar, Calcutta University Prof. S Bhuniya, SINP, Kolkata Dr. S Chattopadhyay, Calcutta University Dr. Amit K. Chakraborty, & Dr. Aniruddha Mondal, NIT Durgapur (Coordinators)	Short term Course on Nano Materials & Devices (NMD-2016)	May 7-11, 2016
2	Dr. T. Gangopadhyay (CSIR-CGCRI, Kolkata) Prof. G. C. Bhar, (RMVU Belur) Prof. T. Ganguly (JU, Jadavpur) Prof. S. Mukhopadhyay (BU Burdwan) Prof. U. Chatterjee (BU Burdwan) Prof. N. K. Roy (NIT Durgapur) Dr M. S. Mehata (DTU, Delhi) Prof. P. Kumbhakar (NIT Durgapur) Dr. M. K. Mandal (NIT Durgapur) Dr. A. Mondal (NIT Durgapur) Prof. P. Kumbhakar, Dr. M. K. Mandal and Dr. A. Mondal (Co-ordinators)	TEQIP-II Sponsored SHORT TERM COURSE on Foundations in Photonics and Applications (FiPA-2016)	May 16-20, 2016
3	Dr. B. N. Mondal, CSIR-CMERI Durgapur Dr. C. Rath, IIT BHU Dr. M. Kar, IIT Patna Prof. A. K. Meikap, NIT Durgapur Dr. S. Sahoo, NIT Durgapur Dr. S. SBasu, NIT Durgapur	Short-Term Course on “Advanced Materials and Nanotechnology (AMN-2016)”	June 20- 24, 2016
4	Dr. Jesús Gómez-Gardeñes	GIAN program on “Complex Networks: Structure and Nonlinear Dynamics” held at NIT Durgapur	September 12-16, 2016
5	Prof. P. K. Bora, IIT Guwahati. Prof. C. A. Murthy, ISI Kolkata. Dr. D. Sen, IIT Kharagpur Prof. U. Pal, ISI Kolkata. Dr. A. Dhara, NIT Jamshedpur. Dr. A. Choudhury, Jadavpur University. Dr. D. Nandi, NIT Durgapur. Dr. M. K. Mandal, NIT Durgapur.	Short Term Course on Computer Vision, Pattern Recognition and Image Analysis	October 03 - 07, 2016
6	Prof. Mohamed Henini (Dr. A. Mondal & Dr. S. Basu coordinators)	GIAN program on “Molecular Beam Epitaxy (MBE) Technology in the field of Material synthesis and device fabrication”	October 28- November 1, 2016
7	Dr. G. K. Dalapati, IMRE, Singapore Dr. A K Chakraborty (Host)	MHRD sponsored GIAN program on “Alternative Materials and Nanotechnology for Solar Energy Harvesting in Indian Setting”	November 30 to December 10, 2016
8	Dr. S. Krishnamurthy Dr. A K Chakraborty (Host)	MHRD sponsored GIAN program on “Smart Photons from Synchrotron for Probing Condensed Matter to Bio-Nanomaterials”	December 5-10, 2016

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
9	Dr. V. R. Dhanak, University of Liverpool, United Kingdom	MHRD sponsored GIAN program on "Physical and Electronic Structure Characterization of Materials for Energy and MOS devices"	December 19-24, 2016
10	Prof. Sukalyan Chottopadhaya	Prof. M. S. Sinha Colloquium held at NIT Durgapur	February 03, 2017
11	Prof. D. P. Ojha, Sambalpur University. Prof. P. Chakraborty, SINP Kolkata. Prof. G. C. Bhar, RMVU Belur. Prof. A. Ghosh, IACS, Kolkata. Prof. S. Mukhopadhyay, Burdwan University. Prof. K. K. Chattopadhyay, Jadavpur University. Prof. P. Roy Chaudhuri, IIT Kharagpur.	Short Term Course on Recent Advances and Fundamentals of Nanomaterials for Applications in Photonics	February 15-19, 2017
12	Prof. S. Mukhopdhyay, IIT, Kharagpur. Prof. P. K. Biswas, IIT, Kharagpur. Prof. C. A. Murthy, ISI, Kolkata. Prof. Umapada Pal, ISI, Kolkata. Prof. G. Sanyal, NIT Durgapur. Dr. A. K. Das, IISER, Shibpur. Dr. D. Nandi, NIT Durgapur. Dr. M. K. Mandal, NIT Durgapur.	Short Term Course on Emerging Trends in Signal and Image Processing, Computer Vision and Pattern Recognition	March 08-14, 2017
13	Prof. S. K. De, IACS Kolkata Prof. A. K. Ghosh, IIT BHU Prof. T. K. Nath, IIT Kharagpur Prof. A. K. Meikap, NIT Durgapur Dr. S. Sahoo, NIT Durgapur Dr. S. SBasu, NIT Durgapur	Short-Term Course on "Advanced Materials and Processing (AMP-2017)"	March 06-10, 2017
14	Prof. C. Jagadish, ANU, Australia Prof. A. N. Tiwari, EMPA, Switzerland Prof. S. Maikap, CGU, Taiwan Prof. V. R. Dhanak, Liverpool Univ., UK Prof. B. N. Dev, IACS, Kolkata Prof. P. Chakraborty, NIFFT, Ranchi Prof. P K Giri, IIT Guwahati Prof. T K Nath, IIT Kharagpur Prof. S. Chakraborty, IIT Bombay	2nd International Conference on Emerging Materials: Characterization & Application (EMCA-2017)	March 15-17, 2017
15	Prof. A. K. Roy (IIT Kharagapur, Ex-Prof.) Prof. S. C. Dutta Roy (IIT Delhi, Ex-Prof.) Prof. S. Chakravorti (NIT Calicut) <i>Prof. P. Kumbhakar and Dr. M. K. Mandal (Co-ordinators), Prof K. C. Ghanta (Chairman).</i>	Faculty Development Program on Pedagogy	March 24-25, 2017

Department of Mathematics

Sl. No	Name of Key Speaker(s)	Name of the Programme	Date of the programme
1.	Prof. P. Basu, IIT Kharagpur Prof. N. Sarkar, ISI Kolkata Prof S K Bhaumik, Central University of South Bihar Prof. S. S. Roy, University of Calcutta Prof. B. Kamaiah, University of Hyderabad	TEQIP II Sponsored Summer School on Research Methodology: Applications of Econometrics and Statistics	May 23-29, 2016
2.	From CII, EDII and other reputed Institutes	TEQIP II Sponsored Workshop on Entrepreneurship and Innovation organized by Dept. of HSS, MS and IT, National Institute of Technology Durgapur and supported by CII and EDII	August 9-12, 2016
3.	Prof. S. K. Bhaumik, IDS Jaipur Prof. P Das, University of Calcutta Dr. P. Chowdhury, NIT Durgapur Dr. S. Roy, St. Xavier's College, Kolkata	Seven-Day Workshop on Applied Econometrics organized by Department of Commerce, Sikkim (Central) University in collaboration with Department of Humanities and Social Sciences, National Institute of Technology Durgapur	March 20-26, 2017
4.	Mr. Ved Arya Mrrs Anu Jain	Entrepreneurship Fair 2017- Ideating Rural India	March 31-April 2, 2017

5.6 Collaboration with Academic and Research Institutions

CERN, Geneva:

The following students visited CERN, Geneva, Switzerland during 15th May -9th July 2016 for Research based project at CERN, Geneva as a part of summer internship initiative.

1. Mr. Subhodeep Ghosh Department of Electrical Engineering
2. Ms. Sreetama Sarkar Department of Electronics&Communication Engineering
3. Mr. Wasim Yuhana Department of Mechanical Engineering
4. Ms. Taniya Karmakar Department of Electrical Engineering

Caledonian College of Engineering, Muscat, Oman:

An MOU was signed in 1st April, 2008 between CCEO (Caledonian College of Engineering, Muscat, Oman) and NIT Durgapur and the areas of cooperation are: corporate training, short courses and consultancy services, seminars, workshops and conferences, staff exchange programmes, exchange of students and research and development.

Till date, 16 faculty members of NIT Durgapur visited CCEO for delivering lectures in different departments. Four faculty members from CCEO visited NIT Durgapur.

Seventeen faculty members of CCEO registered for PhD programme at NIT Durgapur and 9 have been awarded the PhD degree.

Department of Biotechnology

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Bose Institute, Kolkata	Research on Cellular Signaling, Inflammation mediated Cancer	Bhattacharjee, A., NIT Durgapur Biswas, K., Molecular Medicine, Bose Inst. Pal, M, Molecular Medicine, Bose Inst.	Joint Research
Central Mechanical Engineering Research Institute (C.M.E.,.R.I), Durgapur	Research on Ethanol Production from Water Hyacinth	Dey, A., NIT Durgapur and Chatterjee, P.K.,C.M.E.R.I, Durgapur	Joint Research
Central Mechanical Engineering Research Institute (C.M.E.,.R.I), Durgapur	Research on Environmental Biotechnology	Dey, A., NIT Durgapur and Mondal, B.N.,C.M.E.R.I, Durgapur	Joint Research
Central Mechanical Engineering Research Institute (C.M.E.,.R.I), Durgapur	Research on Tissue Engineering Applications	Dey, A., NIT Durgapur and Mondal B.N.,C.M.E.R.I, Durgapur	Joint Research
Central Mechanical Engineering Research Institute, Durgapur	Biomimetics	Mukhopadhyay, S., NIT, Durgapur and Chatterjee D., CEMRI, Durgapur	Research
Geological Survey of India, Kolkata	Research projects on subsurface sediment/ groundwater microbiology	Kazy, S.K, NIT Durgapur; Sar P., IIT Kharagpur; Pal T., GSI, Kolkata	Sponsored Project
IARI, New Delhi	Research on Production of Novel Enzymes	Dutta, D., NIT Durgapur, Lata, IARI, New Delhi	Joint research
Indian Institute of Technology Kanpur	Nanotechnology for drug delivery	Chaudhuri, S., Dutta D, NIT Durgapur; Sivakumar, S., IIT Kanpur	Research
Indian Institute of Technology Kharagpur	Sponsored projects on subsurface sediment/ groundwater microbiology	Kazy, S.K, NIT Durgapur; Sar, P., IIT Kharagpur, Gupta, A.K., IIT Kharagpur; Mukherjee, A., IIT Kharagpur	Sponsored Project
JNU, New Delhi	Plant Developmental Biology and Signal Transduction	Chattopadhyay, S., NIT-Durgapur and Nandi, A., JNU, New Delhi	Research
National Institute of Plant Genome Research, New Delhi	Plant Developmental Biology and Signal Transduction	Chattopadhyay, S., NIT-Durgapur and Sinha, A., NIPGR, New Delhi	Research
TransDisciplinary University, Bangalore	Rice – Blast Pathosystem	Roy Barman, S., NIT Durgapur; Gowda, M., TDU, Bangalore	Research

Department of Chemical Engineering

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Caledonian College of Engineering Muscut, Oman	Industrial Water Treatment of Oman	Dr. S. Dutta Dr. M. Geetha Devi	Collaborative research & publication
Engineering School of Lorena, University of Sao Paulo, Brazil	Biofuel Production	Dr. Jaya Sikder	Joint Project DBT, GOI & CNPq Joint Publications
Lappeenranta University of Technology, Finland	Sustainable Technology development	Prof.P.Pal & Prof.M.Roy(MS)	Research
Masdar Institute of Science and Technology, Abu Dhabi United Arab Emirates	Wastewater Treatment	Dr. Jaya Sikder	Research, Joint Publications
National Institute Technology Agartala	Biofuel from microalgae	Halder Gopinath., NIT Durgapur; Gayen K., NIT, Agartala	Research
North East Institute of Science and Technology	Biopigments extraction	Halder Gopinath., NIT Durgapur; Borah J., NEIST, Jorhat, Assam	Research
North Eastern Hill University Shilong	Bioremediation of coalmine wastewater	Halder Gopinath., NIT Durgapur; Joshi S.R., NEHU, Shillong	Research
University of Calabria, Italy	Membrane Synthesis, Wastewater treatment, Biofuel production Photocatalysis	Dr. Jaya Sikder	Joint PhD guidance, Joint publications (MoU signed)

Department of Chemistry

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Andhra University, Dept of Inorganic and Analytical chemistry, Visakhapatnam, AP	Speciation of complex formation with biomolecules of metal salts at different pH	Prof. G. Nagesswara Rao, Dept of Inorganic and Analytical Chemistry Department, Andhra University, Visakhapatnam, AP	Experiments are going on
Central Institute of Mining & Fuel Research, Dhanbad	Molecular Complex Formation Between Coal Asphaltene and different acceptor molecules	Panja S.S and Ghosh A. K.	Spectroscopic study of Molecular Complex Formation Between Coal Asphaltene and different acceptor molecules.
Civil Engineering Department North Dakota State University, USA.	Water and Wastewater Treatment	Bezbaruah A. N. Saha R.N.	Research on "Synthesis of Advanced Nano-materials and their Application for the Reduction of Environmental Contaminants"

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Colloids and Materials Chemistry Department, CSIR-IMMT, Bhubaneswar, Odisha	Environmental Application of Nano Materials	Chatterjee Sriparna, Saha R. N.	Joint Supervisor for Ph.D Work, Paper publication
CSIR-CMERI	Designing and investigating the effect of organic corrosion inhibitors	Banerjee, P., and Sukul, D	Publication of papers
CSIR-CMERI	Arsenic removal	Ruj Biswajit DebbarmaSwarup Ranjan& Saha R. N.	Joint Supervisor for Ph.D Work, Paper publication
Department of Chemistry University of California, Davis, CA 95616, USA	Crystal structure determination	Prof. Marilyn M. Olmstead Patra A.K.	Single crystal X-ray Diffraction studies on the metal complexes with supporting Schiff base, Amide ligand
Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, Kolkata, India	Crystal structure determination	Partha Mitra Patra A.K.	Single crystal X-ray Diffraction studies on the metal complexes with supporting tridentate Schiff base ligand
Dept. of Chemistry, Cotton College, Assam	Development of natural fibre reinforced polyester composite material	Choudhury S. Panja S. S.	Jointly supervising Ph.D student
Dept. Of Environmental Science, The University of Burdwan, West Bengal	Water and Wastewater Treatment	Gupta S. and Saha R. N.	Joint Research in the areas on Environmental monitoring and wastewater treatment
IISc Bangalore	Development of Microwave absorber	Dr. Suryasarathi Bose and Dr. S. S. Panja	Collaborative research
Institut des Matériaux Jean Rouxel, Université de Nantes, UMR CNRS 6502, 2 rue de la Houssinière, BP 32229, 44322 Nantes, France	Use of DFT Calculation in our research area	Prof. Xavier Rocquefelte Institut des Matériaux Jean Rouxel, France	collaboration for DFT calculation using different Software
Institute of Chemical Technologies and Analytics, Vienna University of Technology, Getreidemarkt, 9/4. 1060 Vienna, Austria, Europe	X-ray structures were determined	Prof. Frank Kubel, Institute of Chemical Technologies and Analytics, Vienna University of Technology	X-ray structures were determined from his Lab. One research has been published in SCI Journal
Johannes Kepler University, Linz	Synthesis of Schiff base ligands and their application	Saha T. K and Monkowius U	Chemical sensing of various analytes by Schiff base ligands

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Microbiology Research Unit, Parasitology Research Laboratory, Department of Zoology, The University of Burdwan, Burdwan-713104, West Bengal, India	Biological activities of the synthesized metal complexes	Chandra Goutam	Antibacterial and other biological studies on synthesized metal complexes of various Schiff base and amide ligands
Raghunathpur College	Synthesis and characterisation of Coordination compounds	Bhaskar Biswas	Paper publication and guiding Ph.D. students
School of Medical Science and Technology, IIT Kharagpur	Collaborative Research	Chatterjee, Jyortirmoy Chakrabarty, J.	Paper publication
Vienna University of Technology	Kinetics and inorganic reaction mechanism	Linert W. Moi S.C.	Biomolecular substitution kinetics in 4d8 and 5d8 metal ion system
Vienna University of Technology, Applied Synthetic Chemistry Dept. Vienna, Getreidmarkt 9/163, Vienna Austria, Europe	Kinetics and mechanism of substitution reaction on d8 metal ion systems	Prof. Wolfgang Linert, Dept of Applied synthetic Chemistry	8 research papers has been published in SCI Journals

Department of Civil Engineering

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Department of Civil and Environmental Engineering, University of Surrey, UK	Pipe-soil I interaction, Offshore pipelines	Roy P.	Research
HIT, Haldia	Joint PhD Supervision	Samanta A.K. Santra A. (HIT)	Research
IEST Shibpur	Vibration, control & anti-control vibration using time delayed feed-back	Banik, A.K. Chatterjee, S. (IEST)	Joint Research Guidance
National Centre for Antarctica and Ocean Research, Goa	Hydro-Meteorology of Arctic Region	Dwivedi, V.K.	Formulation of project for long term meteorological observations in Artic region
National Rural Road Development Agency, Ministry of Rural Development	Design of PMGSY roads by using new cost effective materials.	Dwivedi, V . K., Nanda, R.P., Pal, S.	Vetting Detailed Project Report of roads

Department of Computer Science and Engineering

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Claude Bernard University of Lyon 1, France	Agent and Multi Agent System	Dutta, A. (Dept. of CSE, NIT Durgapur), Aknine, S. (Claude Bernard University of Lyon 1, France)	Joint Research
Calcutta University	Joint Guidance	Sarkar, A. (Dept. of CSE, NIT Durgapur), Choudhury, S., Chaki, N. (Dept. of CSE, CU)	Joint Research
CSIR-CMERI, Durgapur	Medical Imaging of Alzimer Disease detection	Sanyal G (Dept of CSE, NIT, Durgapur), Bhattacharyya, P., Srinivasan, A. (CMERI)	Joint Research
CSRI-CMERI, Durgapur	Electrohydrodynamic Inkjet Printing System	Kisku, D.R. (Dept. of CSE, NIT Durgapur), Murmu, N.C. (CSRI-CMERI, Durgapur), Roy, S.S. (Dept. of ME, NIT Durgapur)	Joint Research
CSIR-Advanced Materials and Processes Research Institute, Bhopal	Data Mining	Mishra, S., Saravanan, C., and Dwivedi, V.K.	Joint Research
Caledonian College of Engineering, Muscat, Oman	Image Compression	Poolakkachalil, T.K., Saravanan, C., and Vijayalakshmi, K.	Joint Research
Indian Institute of Engineering Science and Technology, Shibpur	Computational Intelligence and Bioinformatics	Jana, N.D. (Dept. of CSE, NIT Durgapur), Sil, J. (IEST Shibpur)	Joint Research
Indian Institute of Engineering, Science and Technology, Shibpur	Cellular Automata, Computer Architecture	Dalui, M. (Dept. of CSE, NIT Durgapur), Sikdar, B.K. (Dept. of CST, IEST, Shibpur)	Joint Research
IISc. Bangalore	Game Theory and Mechanism Design and its Applications.	Mukhopadhyay, S. (Dept. of CSE, NIT Durgapur), Narahari, Y. (Dept. Of CSA, IISc. Bangalore)	Game Theory Lab Visit and Research
Indian Statistical Institute, Kolkata	Computational Intelligence and Bioinformatics	Jana, N.D. (Dept. of CSE, NIT Durgapur), Das, S. (ISI Kolkata)	Joint Research
Indian statistical Institute, Kolkata	Video Document Analysis	Nandi, D. (Dept. of CSE, NIT Durgapur), Chakraborty, B. (Dept. of CSE, NIT Durgapur), Pal, U. (ISI Kolkata)	Joint Research
Indian Statistical Institute, Kolkata	Nanotechnology and Giga-scale integration Techniques	Mitra, D. (Dept. of CSE, NIT Durgapur), Bhattacharya, B.B. (ISI Kolkata)	Joint Research

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Indian Statistical Institute Bangalore	Semantic Web Technology	Dutta, A. (Dept. of CSE, NIT Durgapur), Dutta, B. (DRTC, ISI Bangalore)	Joint Research
Indian Statistical Institute, Kolkata	Computational Geometry	Sadhu, S. (Dept. of CSE, NIT Durgapur), Roy, S. (Dept. of CSE, NIT Durgapur), Nandy, S.C. (ISI Kolkata), Roy, S. (ISI Kolkata)	Joint Research
Indian Statistical Institute, Kolkata	Machine Learning and Evolutionary Computing	Pal, T. (Dept. of CSE, NIT Durgapur), Pal, N.R. (ECSU, ISI Kolkata)	Joint Research
Jadavpur University, Kolkata	Distributed Computing	Dutta, A. (Dept. of CSE, NIT Durgapur), Bhattacharya, S. (Dept. of CSE, Jadavpur University)	Joint Research
University of Liverpool	Semantic Web Technology	Dutta, A. (Dept. of CSE, NIT Durgapur), Coenen, F. (Dept. of Computer Science, University of Liverpool)	Joint Research

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
University of Minho, Portugal	Semantic Web Technology	Dutta, A. (Dept. of CSE, NIT Durgapur), Information Systems Department. University of Minho,	Indo-Portugal Joint Research Project
University of Wollongong, Australia	Agent and Multi Agent System	Dutta, A. (Dept. of CSE, NIT Durgapur), Ghosh, A. (School of Computing and Information Technology, University of Wollongong, Australia)	Joint Research

Department of Electrical Engineering

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
CENTRAL POWER RESEARCH INSTITUTE, BANGALORE	High Voltage Testing, New insulating material as Nano-fluid	Prof N K Roy	Regular students and faculty visit, validation of testing and use of test facilities
IIT Kharagpur	Power Electronics, Multilevel Converters	Banerjee S (NIT) Chakroborty C (IIT)	Joint Research
Central Mechanical Engineering Research Institute, Durgapur	Control Systems, Power Electronics	Banerjee S (NIT), Giri S (CMERI)	Joint Research
Jadavpur University, Kolkata	Instrumentation	Prof. B. Tudu,	Instrumentation
Central Mechanical Engineering Research Institute, Durgapur	Control Systems, Power Electronics, Machine Drives	Saha T. K. (NIT), Saha S. (CMERI)	Joint Research.

Department of Electronics and Communication Engineering

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Brno University of Technology, Brno, Czech Republic	Millimeter wave channel modelling	Chandra A.	External member of a Czech national project
Texas A&M University, Doha, Qatar	Free space optics	Chandra A.	Joint research
Vienna University of Technology, Vienna, Austria	Vehicular channel modelling	Chandra A.	Joint research

Department of Management Studies

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
LUT, Finland	Collaborative Research on Sustainable development	Prof.M.Roy	Research

Department of Mathematics

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Belgrade University, Serbia	Fixed Point Theory	Dey, L.K., NIT Durgapur and Damjanovic, B. of Belgrade University, Serbia	Joint Research
CSIR – Indian Institute of Chemical Biology, Kolkata	Nonlinear Dynamics	Pal, P, NIT Durgapur and Dana, S.K. of IICB Kolkata	Joint Research

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Indian Institute of Technology Kharagpur	Convective Instability	Pal, P, NIT Durgapur and Kumar, K. of IIT Kharagpur	Joint Research
ICBM, Carl von Ossietzky University, Germany	Nonlinear Dynamics	Pal, P, NIT Durgapur and Feudel, U. of ICBM, Germany	Joint Research
Jadavpur University, Kolkata	Functional Analysis	Dey, L.K., NIT Durgapur and Das, Pratulananda of Jadavpur University	Joint Research
University of Pristina-Kosovska-Mitrovica, Serbia	Fixed Point Theory	Dey, L.K., NIT Durgapur and Djekic, D.D. of University of Pristina-Kosovska-Mitrovica	Joint Research
Department of Mathematics, Aliah University	New Topological Indices of Graphs	Pal, A., NIT Durgapur and Nayeem, S.M.A. of Aliah University, Kolkata.	Joint Research
IIFT Kolkata	Green Supply Chain Management	Pal, A., NIT Durgapur and Das, P.K of IIFT, Kolkata	Joint Research
Dept. of Mathematics, Vidyasagar University	Graph Theory	Pal, A., NIT Durgapur and Rana, A. Narajol Raj College, Midnapore.	Joint Research
Dept of Mathematics Haldia Institute of Technology, East Midnapore, WB	Soft Computing	Panigrahi, G., NIT Durgapur and Jana Dipak HIT, Haldia	Joint Research
Dept of Operations Management TA PAI Management Institute, Manipal	Management	Panigrahi, G. ,NIT DGP and Chattrejee Debmalaya,TA PAI Management Institute	Joint Research
Department of Mathematics Sidhu Kanu Birsa University, WB	Soft Computing	Panigrahi, G., NIT DGP and Dr Barun Das ,SKBU	Joint Research
Department of Mathematics Mugberia College, East Midnapore, WB	Bio Mathematics	Panigrahi, G. NIT DGP and Dr. Kalipada Maity,MC	Joint Research
IIT Roorkee, Uttarakhand, India	Codes over rings	Bagchi, S, NIT Durgapur and Maheshanand of IIT Roorkee	Joint Research
Dept. Of Mathematics, Gobinda Prasad Mahavidyalaya,Bankura	Operations Research	Basu, K. NIT Durgapur and Mukherjee, S. Bankura	Joint Research
CR Rao AIMSCS, University of Hyderabad Campus	Cryptography	Basu, K. NIT Durgapur and Visal Saraswat	Joint Research
Asasol Engineering College, Asansol	Statistics	Basu, K. NIT Durgapur and Arnab Bandyopadhyay	Joint Research
Viswa Bharati, Santiniketan.	Probability	Sarkar (Mondal), S., NIT DGP and Maity, S.S.	Joint Research

Department of Mechanical Engineering

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
CMERI Durgapur	Micro end milling	Puri A. B., NIT Durgapur, Nagahanumaiah, CMERI	Joint Research
CMERI, Durgapur, India	Heat Transfer	Pramanick, A. K., NIT Durgapur, Chatterjee, P. K., CMERI Durgapur	Student Exchange
Duke University, USA	Classical Thermodynamics	Pramanick, A. K., NIT Durgapur, Bejan, A., Duke University	Pedagogy
Durgapur Institute of Advanced Technology and Management(DIATM)	Research	Dr Prasanta Kumar Sinha, Professor & Princial	M-Tech Project
IISc. Bangalore	Multiphase Flow	Dr. Shantanu Pramanik, NIT Durgapur and Dr. Saptarshi Basu, IISc Bangalore.	Joint Research
IIT Kharagpur, India	Droplet Dynamics	Pramanick, A. K., NIT Durgapur, Bandyopadhyay, P. P., IIT Kharagpur	Joint research
Jadavpur University, India	Heat Transfer	Pramanick, A. K., NIT Durgapur, Kundu, B., Jadavpur University	Joint research
University of Stuttgart, Germany	Aerospace Thermodynamics	Pramanick, A. K., NIT Durgapur, Weigand, B., University of Stuttgart	Student & Faculty Exchange

Department of Metallurgical and Materials Engineering

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
CSIR-National Metallurgical Laboratory, Jamshedpur	Effect of Strain Induced Melt Activation (SIMA) Process on Microstructure and Mechanical Properties of Al-Si alloys Modified by Al-5Ti-1B Grain Refiner	Dr. Mandal D. & Dr. Sahoo K.L (CIR-NML)	Research, Joint Ph.D Project Work
IEST, Shibpur	CNT dispersed Al-based alloy composite	Dr. Mandal D. & Dr. Das D (IEST)	Research, Joint M.Tech student
CSIR-National Metallurgical Laboratory, Jamshedpur	High Temperature Materials	Dr. Mandal .D & Dr. Mandal G.K (CSIR-NML)	Research, Joint M.Tech student
IEST Shibpur	Material Science	Dr. S. Bera & Dr. A. Sinha (IEST Shibpur)	Research, Joint M.Tech student
CGCRI Kolkata	Material Engineering and Mechanical Behaviour	Prof. Ghosh K.S & Acharya, Saikat Dev CGCRI, Kolkata	Joint Research, Work

Department of Physics

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
CSIR-CMERI Durgapur	Polymer Nanocomposites	Meikap A. K.	Joint Research/ Joint PhD Guidance
Technology Center of Nagasaki, Japan	Polymer Nanocomposites	Meikap A. K.	Joint Research
University of Ottawa, Canada	Polymer Nanocomposites	Meikap A. K.	Joint Research
Burdwan University	Nanomaterials	Meikap A. K.	Joint Research/ Joint PhD Guidance
Burdwan University	Electronics and Communication	Mondal M.K.	Joint Research
Burdwan University	Nonlinear Optics	Kumbhakar P.	Joint Research/ publication of paper
CSIR-CMERI, Durgapur	Multiferroics materials	Basu S.	Joint Research
CSIR-CMERI, Durgapur	Nanotechnology	Kumbhakar P.	Joint Research/ Joint PhD Guidance
EMPA, Swiss Federal Laboratories for Materials Science & Technology	Graphene reinforced Epoxy composites	Chakraborty A.K.	Joint PhD program through a MOU
Federal University of São Carlos, Brazil	Nanoelectronics	Mondal A	Sample characterisation, joint research
GSI, Lucknow	Geothermal exploration at Bakreswar geothermal area	Chaudhuri H.	Joint Research
IACS, Kolkata	Nanomaterials, Multiferroics	Basu S.	Joint Research
Indian Institute of Science, Bangalore	Synthesis and Characterization of Nanomaterials	Kumbhakar P.	Joint research under UGC-NRM
IIT Bombay	Characterization of InN NWs	Mondal A	Joint Research
IISER, Kolkata	Seismo-geochemical modeling of Tatta Pani geothermal area	Chaudhuri H.	Joint Research
IIT, Kharagpur	Nanomaterials & nanocomposites	Chakraborty A.K.	Nanocomposite characterization
Jagdish Bose National Science Talent Search (JBNSTS), Kolkata	Lead free solder joint interface	Chakraborty A.K.	Joint PhD student
Jadavpur University, Jadavpur	Nanotechnology	Kumbhakar P.	Joint Research/ Publication of paper
NASA Ames Research Center, California, USA	Global Earthquake Forecasting System		Joint Research
National Institute of Technology, Raipur	Condensed Matter Physics	Sahoo S.	Joint Research

Collaborating Institute / Organization	Areas of Collaboration	Faculty Members Involved	Collaboration Activities
Regional Institute of Education, Bhubaneswar (NCERT)	Nuclear Physics, Physics Education & General Physics	Sahoo S.	Joint Research
Rice University, USA	Nanotechnology	Kumbhakar P.	Joint Research/ publication of paper
Saha Institute of Nuclear Physics	Nanotechnology	Mondal A.	Joint Research
Sikkim Manipal Institute of Technology (SMIT), Majitar, Sikkim	Graphene based gas sensors	Chakraborty A.K.	Joint PhD student
TDB College, Raniganj	Nuclear Physics	Sahoo S.	Joint Research
The Open University, Milton Keynes, UK	Graphene based solar cells	Chakraborty A.K.	Several PhD student exchanges
University of Nottingham, UK	Nanoelectronics	Mondal A.	Sample characterization, joint research
University of Kalyani	Characterisation of nanostructured materials	Chakraborty A.K.	Materials characterization
University of Liverpool, United Kingdom	Surface chemical analysis and photocatalytic water splitting for hydrogen evolution	Chakraborty A.K.	Joint research project, exchange of faculty and several students
University of Lucknow, Lucknow	Nanotechnology	Kumbhakar P.	Joint Research/ Publication of paper
Utkal University, Bhubaneswar	Theoretical High Energy Physics	Sahoo S.	Joint Research
NIT Sikkim, India.	Nonlinear Analysis of medical data (EEG signals)	Chaudhuri H.	Collaborative Research and Joint Research Proposal
Saha Institute of Nuclear Physics, Kolkata, India.	Nonlinear Analysis (Power Spectrum and Wavelet Analysis) of Geochemical Precursory Signals for earthquakes	Chaudhuri H.	Joint Research
Dept. of Civil Engineering, Dept. of Chemical Engg. NIT Durgapur	Integrated and sustainable technology solutions for organic wastewater treatment	Chaudhuri H.	Collaborative Research and Joint Research Proposal
GSI, Lucknow	Geothermal exploration at Bakreswar geothermal area	Chaudhuri H.	Joint Research
Visva-Bharati University, Shantiniketan	Optical properties of graphene modified polymer nanocomposites	Chakraborty A.K.	Joint Research project

6.0 THE COUNCIL, BOG AND OTHER COMMITTEES

6.1 Institute's Council

Vide Annexure - 11.1

6.2 Board of Governors

Vide Annexure - 11.2

6.3 Finance Committee

Vide Annexure - 11.3 (a)

6.4 Building and Works Committee

Vide Annexure - 11.3(b)

6.5 Other Committees

Senate

Vide Annexure - 11.3(c)

7.0 CONCESSIONS FOR SC, ST AND HANDICAPPED STUDENTS

7.1 Concessions Provided for Students

The Department of Training, Placement, and Students' Welfare helps the students get Railway Concessions during their vacations.

8.0 FINANCIAL STATUS

8.1 Analysis of Plan and Non-Plan Grants (2016-2017)

Plan (General Component) Grants – Rs. 4400.00 Lakhs

Non-Plan (Recurring) Grants – Rs. 5930.00 Lakhs

8.2 Sources of Funds

Entire Recurring and Non-Recurring Grants are borne by Govt. of India

8.3 Expenditure Position for Last Three Years

(Rupees in Lakhs)

Plan head Expenditure		Non-Plan head Expenditure	
2012-13	4050.00	2012-13	6101.14
2013-14	5058.03	2013-14	7296.61
2014-15	2495.36	2014-15	7573.72
2015-16	4750.82	2015-16	8092.35
2016-17 (unaudited)	2570.46	2016-17(unaudited)	11188.98

9.0 CENTRAL FACILITIES AND SERVICES

9.1 Computer Centre

Software :

1. ANSYS 17.4
2. PSIM (Power Simulator)
3. MATLAB & SIMULINK R16a (25 Users) MATLAB & SIMULINK R10a (10 Users)
4. COMSOL (Multi Physics)
5. AUTUCAD (Free Education Licensed)

Hardware :

(Following Desktop PCs are installed in 4 Class Labs, One PG Lab, One Research Lab)

1. HP Elite Desk 800G- Intel core i5, 3.5 GHz, 4 GB RAM- 60 Nos.
2. Lenovo Think Centre Core i5 Vpro 3.3GHz, 2GB RAM- 60 Nos.
3. Lenovo Think Centre M58p-Intel Dual Core 3.0GHz, 2GB RAM- 17 Nos.
4. Dell OptiPlex 755 Core2 Duo, 3.0GHz, 2GB RAM- 7 Nos.
5. Dell OptiPlex 755 Core2 Duo, 1.80GHz, 1GB RAM (+ 1GB Later) – 13 Nos.

SERVER :

Dell Server – Power edge Model: R720 (Rack mounted) – 1 No. (Installed in Network Server Room.)

Scanner :

- 1 Cannon Lide25
- 2 Epson GT 15000

Internet Services:

Campus wide networking covering all department, hostel, faculty quarters, guest house, and staff club has been completed with about 6kms Fiber Optic Cable as a backbone with about 4500 CAT-6 UTP points. Two ISP namely NKN with 1GBPS bandwidth & BSNL under NMEICT project Govt. of India with a bandwidth of 150 MBPS provides internet services all over the campus 24x7.

9.2 Workshop

The Department of Workshop of the Institute is a cluster of eight shops in different sheds. These are (1) Machine Shop, (2) Fitting Shop, (3) Electrical Shop, (4) Carpentry & Pattern Shop, (5) Black Smithy Shop, (6) Welding Shop, (7) Sheet Metal Shop and (8) Foundry Shop, Training to all UG students of different semesters is provided through these shops in accordance to UG Curricula which include Workshop classes for all branches of engineering at different levels. The Workshop are modernised periodically by utilizing the grants provided to it under different scheme. Students from different Departments utilize the workshop facilities for their Project & Thesis works in undergraduate and postgraduate level. It has developed one Laboratory, where students can learn manufacturing, assembling, testing & repairing of air conditioners. The students are encouraged to use the facility to make fabrications and prototypes of different levels of technical competitions.

9.3 Library

The library as one of the important central facilities of the Institute supports the study, teaching, research, and development programmes of the Institute. It is housed in a separate building having three floors on a plinth area of 1000sq. mtrs. The library has a collection of 1,65,746 volumes, which includes text books, reference books & bound volumes of Journals, Standards etc. The library subscribes to about 121 current Journals. Library operations have been automated with the help of an integrated library software package, LIBSYS-4. The book database is accessible through OPAC (Online Public Access Catalogue). It has good collection of references books related to all branches of the institute. It has a good collection of electronic resources in its Digital Library. It is an open access library and remains open from 8:30a.m. to 9:30 p.m. on weekdays and from 9 a.m. to 5 p.m. on Saturdays and Sundays, during vacation 8:30 a.m. to 5:30 p. m. (Saturday, Sunday and Institute holidays closed). Library has introduced Wi-Fi Internet access facility in the reading halls.

The library has a well-equipped photocopying facility. The users can avail of this facility on payment of a nominal charge. It has also some Audio-Visual equipment like Colour TVs, VCPs, Video Cameras, Direct Projectors, Multimedia Projectors, etc. It has also a good IT infrastructure.

The library is an institutional member of DELNET (Developing Library Network), and NPTEL (National Programme on Technology Enhanced Learning).

It is also a beneficiary member of eSS (e-SodhSindhu) previously known as INDEST-AICTE (Indian National Digital Library in Engineering, Science & Technology) which provides Desktop Access to high quality e-resources (online journals and databases).

E-Journals/Databases through e-SodhSindhu (2016) are as follows:

Sl. No.	Name of Resource	Sl. No.	Name of Resource
1	ACM Digital Library	8	JGate Plus (JCCC),
2	All Society Periodicals Package (ASPP) & Proceedings Order Plan (POP),	9	JSTOR
3	ASPP and POP Proceedings	10	Nature
4	ASCE Journals Online	11	Oxford University Press
5	ASME Journals Online	12	Science Direct Content Fees (CFTIs),
6	ASTM Standards	13	Web of Science Lease Access
7	Emerald 295 Collection		

Library individually subscribed many important journals and databases for the year 2016-17 they are as:

Sl. No.	Name of Resource	Sl. No.	Name of Resource
1	IEEE (IEL Online) Level-2	8	Royal Society of Chemistry (RSC Gold EA)
2	Wiley Online (7 Subject Collection),	9	Mathscinet
3	Project Muse	10	Springer 1400+
4	American Institute of Physics (AIP)	11	PNAS
5	Emerald Journals	12	PROWESS Database (CMIE)
6	Science Direct (11 Subject Collection)	13	IEEE SWEBOK
7	Taylor and Francis online journals		

e-Books from different leading publishers :

1. Oxford e-Book collection for Mathematics and Physics,
2. Springer e-Book collection, LNCS (Lecture Note in Computer Science) from 1973 to 2016
3. Elsevier e-Books

Collections:

Total collection of books, journals, etc. and the annual expenditure are as detailed below (up to 31.03.2016):

(i) Total Collection	General Book	109265
	Book Bank	40134
	Bound Vol. of Journals	7744
	SC/ST	934
	ISI	5072
	Gift	4356
	Misc.	1485
	TEQIP Books	4244
	Total	1,73,234
(ii) No. of print journals	Purchased Journal	57
	Gifted	53
	Total	110
(iii) No. of Books Catalogued, Classified and Processed	Books (General and Text)	4320
	Book Bank Gifted	1240
	Total	5560
(iv) Expenditure Incurred (in Rs) by the Library during 2016-17	Books: 2,45,05,128.00	
	General Books/ Text Books	1,61,64,230.00
	Book Bank	83,40,898.00
	Journals/Magazines: 2,61,14,502.63	
	E-Journals/e-Books	
	Print journals/magazines 1,60,694.00	
	DELNET Membership	11,500.00
	LIBSYS Annual AMC	67,841.00

Officers and Staffs of the Central Library

1. Prof Apurba Dey – Chairman, Library Committee
2. Dr. Jaydeep Howlader – Prof. In charge Library
3. Mr. Jitendra Kumar – Asst. Librarian
4. Mr. Nirmal Majhi - Sr. Lib. Info. Asst.
5. Mr. S. Bandopadhyay – Sr. Superintendent
6. Mr. Tirkey – Sr. Asst.
7. Mr. S. Sarkar – Jr. Asst.
8. Mr. R. Bouri – Sr. Attendant

9.4 Laboratories

All departments have well equipped laboratories which cater to the hands on training to the under graduate as well as postgraduate students. The laboratories are also regularly used for carrying out projects and research works. List of the laboratories of various departments are given in Annexure-11.13.

9.5 Hospital, Post Office and Shopping Centre

The Institute has a medical unit-cum-hospital with outdoor and indoor (10 beds) facilities. It is served by two full-time general physicians and supported by part-time specialist physicians; one cardiologist (twice a week), one paediatrician (once a week), one gynaecologist and obstetrician (once a week), one ENT (once a week), one ophthalmologist (once a week) and one dentist (once a week). All faculty members, staff members and their families as well as the students are benefited from the medical unit. The medical unit provides 24 hours emergency service with a well equipped ambulance at its disposal. Inside the campus there is a Post Office catering to the needs of the institute and residents of the campus. There is a shopping complex inside the campus which includes a ration shop, a milk booth, one book shop and some shops providing essential commodities.

9.6 Physical Facilities

The Institute has branches of State Bank of India, Canara Bank and SBI ATM in the campus. The Institute also has two canteens and one cafeteria near the students' hostels. Three playgrounds and gymnasium are used regularly by the students and residents of the campus. For the recreational facilities of the faculties and staff there are two clubs namely, Faculty Club and Staff Club. The clubs regularly organise cultural programmes, games and sports for the members. A higher secondary school is also located in the campus.

9.7 Games & Sports Facilities

The Institute has Students Activity Centre (SAC) housed in an indoor auditorium, where all the indoor games like badminton, table tennis and chess are played round the year. Three gymnasiums (Separate for boys, girls and guests) have 12 to 16 station exercise machine such as multi-station gym with latest equipments. In the central playfield, The Oval, all major tournaments and matches are played in games like football, cricket, athletics etc. Besides there is one more ground called The Lords adjacent to the hostels, all major non sports activities as well as sports activities are organized in regular manner. There is one concrete tennis and basketball court each and two volleyball court with flood light facilities. All the hostels have their own volleyball & concrete Badminton courts with indoor games facilities like Table Tennis & Carrom boards.

9.8 Other Facilities like Hostels, Messes and Staff Quarters

The Institute has eight boys' hostels and four hostels for girls' students. Each hostel has a separate mess, managed and run by the members of the mess committee comprising of the students under the supervision of the Mess Managers/Matrons and overall guidance of the Wardens of the respective hostels. The Institute provides different categories of residential quarters to the faculty, staff and administrative personnel on licence fee basis. One multi-storeyed accommodation (G+8) for faculty members is completed consisting of 32 numbers of quarters. The construction of Prof. S. N. Ray memorial building is completed. Academic Block has also been inaugurated and 4 number 150 seated auditorium are in use for 1st year students. All other auditoriums and class rooms will be ready soon. Expansion and renovation work of Institute Medical Unit cum Hospital is completed. Widening of Road and construction of Drainage network is completed. Construction of New Market Complex is also completed. Newly constructed Chemistry Laboratory-cum-Biotechnology Department and New Guest House are operational. Construction of a 1500 capacity Auditorium is in progress.

10. NOTABLE PAST ACHIEVEMENTS

- The Institute, since starting off in 1960 with only four branches of Engineering for UG studies and a handful of buildings and quarters, has made tremendous overall development and achieved the status of Institute of National Importance. Some major achievements are listed below:
- In all, 9 B. Tech. programmes in Engineering, 21 M. Tech. programmes, 3 M. Sc. programmes, MCA and MBA programmes are running successfully.
- Many students have won national and international recognition as teachers, industrialists and entrepreneurs in various leading organisations.
- A large number of new laboratories have come up over the years for UG and PG students, Research Scholars and the faculty members of the Institute.
- The Institute was elevated to the National Institute of Technology with Deemed University status.
- NIT Durgapur was declared “Institute of National Importance” by the Government of India.
- The Institute successfully participated in the World Bank assisted TEQIP phase I and II as lead institution,
- Many faculty members have achieved distinction in the field of research by way of publishing papers in peer-reviewed journals and also received best paper awards. Many of them also have the honour of acting as reviewers of international journals.
- The Institute is a QIP Centre for M Tech programmes for faculty members of the polytechnic institutes and PhD programmes for all faculty.
- Under the Centre of Excellence Scheme of the MHRD, Govt. of India, state-of-the-art research laboratories have been set up with modern equipment.
- Many faculty members have served outside organisations and Institutes in the capacity of advisors, consultants and experts of various technical committees.
- NIT Durgapur implemented reservation for OBC students (27%) completely.
- Collaborative activities are in progress with CERN Geneva, NUS Singapore, Caledonian College of Engineering Muscat and a number of premier universities abroad. Faculty exchange, visits of delegation, students’ internship and collaborative research have been taken up.
- The Ministry of Steel, GOI, has instituted a Ministry of Steel Chair Professor and has been sponsoring five scholarships to UG students.
- NIT Durgapur mentored NIT Arunachal Pradesh and GKCIT, Maldah.

Achievements in 2016 -2017

- The B. Tech curriculum and regulation were revised based on the outcome of a workshop where eminent academicians participated.
- The Institute has been actively participating in the TEQIP-III program, after successful completion of TEQIP-II, a World Bank assisted programme for improvement in quality of technical education and research.
- Collaborative activities are in progress with CERN Geneva, and a number of premier universities abroad. Collaborative activities are also in progress with various premier academic and research institutes of India. Faculty visits, students’ internship and collaborative research have been taken up. Four pre-final year students did the summer internship at CERN, Geneva.
- The faculty members of the Institute have publication and acceptance of 573 research articles/reviews in peer-reviewed journals, and also published 394 papers in proceedings of national and international conferences in 2016-17.
- 106 sponsored projects are being executed by the faculty members during the financial year.
- Seventy PhD degrees were awarded by the Institute in 2016-17.
- Faculty members acted as reviewers for 196 peer-reviewed journals.

- The projects namely, 1250-seated Boys' Hostel and Auditorium are in progress. The New Guest House and 500-seated Girls' Hostel have recently been completed.
- MoUs have been signed with several universities such as University of Liverpool, UK; University of Nottingham, UK; University of Kentucky, USA; Brno University of Technology, Czech Republic and University of Calcutta. MoU has also been signed with Magnitude Prototyping Pvt. Ltd., Kolkata; Aranya Biosciences Pvt. Ltd., Hyderabad; and Jariwala Robotics Pvt. Ltd., Mumbai.
- The responsibility of framing the modalities for joint PhD programme among the BRICS participating universities is given to NIT Durgapur by the ITG members.
- In Unnat Bharat Aviyan, the Institute organised programmes like 'Interaction cum Policy-Awareness Programme for Villagers' in Pratappur village, Durgapur. A tribal area near Bansgora village in Durgapur-Faridpur Block was covered in the survey during the annual camp of NSS.
- In Rashtiya Avishkar Aviyan, NIT Durgapur has been selected as one of the eight members of State Level Steering Committee, which would advise for planning and implementation of the activities of RAA in West Bengal.
- The B Tech and M. Tech programmes of various departments are accredited by NBA committee.
- Five GIAN proposals have been approved. Seven GIAN courses were organized in the Institute.
- S N Roy Memorial building, New Guest house and New Academic building have been inaugurated. Six students' hostels are renovated.
- As a part of the lecture series "Beyond the Walls" organized by NIT Durgapur Alumni Association, seven distinguished alumni members delivered lectures on various topics in the institute. The alumni members acted as resource persons in various workshops and short term courses organized by the Institute.
 - Table Tennis (Women) Champion in the National Level Sports Fest (Sangram- 17) held at IIT Roorkee.
 - Track & Field (Women) Won Two Gold and One Silver Medals in All India Inter NIT Meet held at NIT Kurukshtra.
 - Body Building & Power Lifting (Men) Secure Best Physique position and won Two Gold and One Silver Medals in All India Inter NIT Meet held at NIT Kurukshtra.
 - Volleyball (Women) Secured Third Position in All India Inter NIT Meet held at NIT Surathkal.
 - Yoga (Women) Secured Third Position in All India Inter NIT Meet held at NIT Surathkal.
 - Tennis (Men) Secured Third Position in All India Inter NIT Meet held at NIT Tiruchirappalli.

Department of Metallurgical and Materials Engineering

D. Mandal, Received Prof. Shilowbhadrha Banerjee Award for the Best in House Project (NML Foundation Day award, November 25, 2016) on "Development of Gas based brass melting Furnace" along with K.K Paul, P. Poddar, K.L Sahoo (CSIR-NML, Jamshedpur)

Department of Physics

Prof. P. Kumbhakar, Professor, Dept. of Physics- has been Elected in 2016 as Fellow (Section II: Physical Sciences) of West Bengal Academy of Science and Technology (WAST), West Bengal, Kolkata, India for his significant contributions in Nonlinear Optics & Nanoscience and Nanotechnology.

Annexure –11.1 Institute’s Council

NIT COUNCIL (as per statute)

- The Minister in charge of the Ministry or Department of the Central Government having administrative control of the technical education, ex officio-Chairman
- The Secretary to the Government of India in charge of the Ministry or Department of the Central Government having administrative control of the technical education, ex officio- Vice-Chairman
- The Chairperson of every Board, ex officio
- The Director of every Institute, ex officio
- The Chairman, University Grants Commission, ex officio
- The Director General, Council of Scientific and Industrial Research, ex officio
- four Secretaries to the Government of India, to represent the Ministries or Departments of the Central Government dealing with biotechnology, atomic energy, information technology and space, ex officio
- The Chairman, All India Council for Technical Education, ex officio
- Not less than three, but not more than five persons to be nominated by the Visitor, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, industry, science or technology
- Three members of Parliament, of whom two shall be chosen by the House of the People and one by the Council of States (Provided that the office of member of the Council shall not disqualify its holder for being chosen as or for being, a member of either House of Parliament)
- Two Secretaries to the State Government, from amongst the Ministries or Departments of that Government dealing with technical education where the Institutes are located, ex officio
- Financial Advisor, dealing with the Human Resource Development Ministry or Department of the Central Government, ex officio
- One officer not below the rank of Joint Secretary to the Government of India in the Ministry or Department of Central Government having administrative control of the Technical Education, ex officio - Member-Secretary

Annexure-11.2 Board of Governors (as per NIT Act, 2007 (29 of 2007))

Sl. No.	Nomination Under	Name and Designation of nominated Member	Serve as
01.	Section 11 Clause (a)	Prof. Amalendu Bhushan Bhattacharyya Chairperson, Board of Governors, National Institute of Technology Durgapur	Chairperson
02.	(b)	Prof. Asok De Director, (Additional Charge), National Institute of Technology Durgapur Durgapur-713209	Member
03.	(c)	Shri R. Subhrmanyam Additional Secretary (TE), Deptt.of Higher Education, Ministry of Human Resource Development, Room No.118,C-Wings, ShastriBhavan, New Delhi-110115	Member
04.	(d)	Mrs. Darshana M Dabral JS & FA (IFD) Ministry of Human Resource Development, Deptt.of Higher Education, ShastriBhavan, New Delhi-110115	Member

Sl. No.	Nomination Under	Name and Designation of nominated Member	Serve as
05.	(e)	Dr. Mitali Mukerji CSIR, IGIB, New Delhi	Member
06.	(f)	Dr. Jyotsna Dhawan Senior Principal Scientist, CCMB, Hyderabad	Member
07.	(g)	Dr. D.K. Majumdar Former Professor (Pharmaceutics) (DIPSAR) University of Delhi, C-8, IDPL Apartments Plot No -GH 10 Sector 10A Gurgaon- 122001	Member
08.	(h)	Prof. Partha Pratim Chakrabarti Director, Indian Institute of Technology Kharagpur	Member
09.	(i)	Shri S. Jhunjhunwala CEO, Mani Group, Kolkata	Member
10.	(j)	Prof. S.P. Ghoshal Professor, Department of Electrical Engineering, National Institute of Technology Durgapur	Member
11.	(k)	Dr. Arup Kumar Biswas Associate Professor Department of Mechanical Engg. National Institute of Technology Durgapur	Member
12	Section 18 Clause (2)	Brig. A.S. Nijjar Registrar, National Institute of Technology Durgapur	Secretary

Annexure-11.3(a) Finance committee

1.	Prof. A. B. Bhattacharyya Chairperson, Board of Governors, National Institute of Technology Durgapur	Chairperson
2.	Prof. Asok De Director, (Additional Charge) National Institute of Technology Durgapur	Member
3.	Shri R. Subhmanyam Additional Secretary (TE) Deptt.of Higher Education Ministry of Human Resource Development Room No.118,C-Wings, Shastri Bhavan New Delhi-110115	Member
4.	Mrs. Darshana M Dabral JS & FA (IFD) Ministry of Human Resource Development Deptt.of Higher Education ShastriBhavan, New Delhi-110115	Member
5.	Prof. S.P. Ghoshal Professor Department of Electrical Engineering, National Institute of Technology Durgapur	Member
6.	Brig. A.S.Nijjar Registrar National Institute of Technology Durgapur	Secretary

Annexure-11.3(b) Building and Works committee

1.	Prof. Asok De Director (Additional Charge) National Institute of Technology Durgapur Durgapur – 713 209	Chairman
2.	Shri Sanjeev Sharma Director (NITs) Ministry of Human Resource Development Department of Education ShastriBhavan, New Delhi – 110001	Member
3.	Shri Rajesh Singh The Director (F) Integrated Finance Department (IFD) of Higher Education, Ministry of Human Resource Development, ShastriBhawan, New Delhi – 110001	Member
4.	Shri Arun Kuman Bhadra (Nominee of PWD, Electrical Wing), Chief Engineer (Electrical) – I, Public Works Directorate (PWD) Writers' Building, Kolkata – 700 001.	Member

5	Shri Satyaki Sen Nominee of BOG, National Institute of Technology Durgapur CJ 84, Sector – 2, Saltlake City, Kolkata – 700 091	Member
6	Shri Ujjal Mitra (Nominee of CPWD, Electrical Wing) Superintending Engineer (Electrical), Kolkata Central Electrical Circle – 1, Central Public Works Department (CPWD), 234/4, Acharya J. C. Bose Road, Kolkata – 700 020.	Member
7	Shri Ajay Kumar (Nominee of CPWD, Civil Wing) Superintendent Engineer cum Project Manager, National Institute of Technology Durgapur Project Circle, Central Public Works Department (CPWD), NIT Campus, Durgapur- 713 209	Member
8	Prof. K. Bhattacharya Prof. of CE Department & Dean (P&D), National Institute of Technology Durgapur Durgapur – 713 209	Member
9	Brig. A. S. Nijjar Registrar, National Institute of Technology Durgapur Durgapur – 713209	Member-Secretary

Annexure-11.3(c) List of Senate members as on 31/03/2016

NAME	E-MAIL ADDRESS	TELEPHONE
Prof. Asok De Director (Additional Charge), National Institute of Technology Durgapur Durgapur – 713 209 Director and Chairman-Senate	director@admin.nitdgp.ac.in	9434788001
NOMINATED MEMBERS		
Sri S. Chatterjee Ex-Managing Director Innovative Heat Handling Pvt. Ltd. CG-106, Salt Lake City, Kolkata – 700 091	samiran45@gmail.com	9831016604
Dr. Maitree Bhattacharya Director, JBNSTS, Kolkata – 700 107	director@jbnsts.org bmaitree@gmail.com	9830306307

INVITEE MEMBERS

Mousumi Ghose Senior Director, FICCI-West Bengal State Council, Shubham Building, 7th Floor, Unit No. 701,1, Rawdon Street, Pin-700017	wbsc@ficci.com mousumi.ghose@ficci.com	033-32940580/ 40035547
Ms. Gargi Mitra Director West Bengal State Council, CII, 6, Netaji Subhas Road Kolkata-700001 WB, India.	gargi.mitra@cii.in	033-22307727
Mr. B. Bhattacharya Invitee Member, NITDAA Representative	gpibhattacharya@yahoo.com	
Mr. U. Bandyopadhyay PG, Student, Invitee Member.	ub.20158101@mtech.nitdgp.ac.in	9933654581
Ms.Sreetama Sarkar UG, Student, Invitee Member.	ss.20130126@btech.nitdgp,.ac.in	9432822839

BIOTECHNOLOGY

Dr. K. Aikat, HOD	aikatk@yahoo.co.in kaustav.aikat@bt.nitdgp.ac.in	9434788140
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Prof A Dey	apurbadey2003@yahoo.co.in apurba.dey@bt.nitdgp.ac.in	9434788098

CHEMICAL ENGINEERING

Prof P P Gupta Dean (Alumni, International Relations & Outreach)	parthagupta2000@yahoo.com parthapratim.gupta@che.nitdgp.ac.in	9434788028
Prof P Pal	parimalpal2000@yahoo.com parimal.pal@che.nitdgp.ac.in	9434788105
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Prof J P Sarkar	jp_sarkar@yahoo.co.in	9734734316/ 9333314987/ 9434788010
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CHEMISTRY		
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CIVIL ENGINEERING		
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Dr Tanmay De, HOD (upto 23.01.2017)	Tanmayd12@gmail.com	9434788123
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Prof S K Dutta	skd_nit_ee@yahoo.co.in swapankumar.dutta@ee.nitdgp.ac.in	0343-2547386/ 9434788187
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EARTH & ENVIRONMENTAL STUDIES		
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PHYSICS		
Prof A K Maikap, HOD	ajit.meikap@phy.nitdgp.ac.in meikapnitd@yahoo.com	9434788060
Prof. Pathik Kumbhakar	pathik.kumbhakar@phy.nitdgp.ac.in	9434788090
Registrar & Secretary of Senate		
Brig. A.S.Nijjar	registrar@admin.nitdgp.ac.in	9434788102

Annexure - 11.4(a) Ongoing sponsored projects

Department of Biotechnology

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Use of biological process for production and treatment of important chemicals	Aikat, K. and Chaudhuri, S.	NIT Durgapur (RIG)	20 lakhs	2014
Role of a novel signaling complex in regulating IL-13-induced 15 lipoxygenase expression in monocytes	Bhattacharjee, A.	DST-SERB	47.39 lakhs	2014
Role of 15-lipoxygenase in the pathogenesis of several diseases	Bhattacharjee, A.	Ramalingaswami Fellowship (DBT)	118.62 lakhs	2012
Fish fat transformation during processing, preservation, braising and its nutritional consequences in terms of food value	Bhattacharjee, A. as Co-PI (PI: Jitamanyu Chakrabarty, Dept. of chemistry, NIT-Durgapur)	Department of Science and Technology, Government of West Bengal	~32 lakhs	2017
Investigation of functional interrelations of bZIP transcription factors: ZBF2/ GBF1, HY5 and HYH of light signalling pathways in Arabidopsis thaliana	Chattopadhyay, S.	JC Bose National Fellowship (DST)	68 lakhs	2016
Investigation of the interconnecting roles of ZBF1/MYC2 and HY5 in Arabidopsis seedling development and disease defense	Chattopadhyay, S. and Nandi, A.K., JNU, New Delhi	DBT	50 lakhs	2014
Program support on genome engineering of tomato (Cloning and functional characterization of GBF1/ ZBF2 in tomato)	Chattopadhyay, S. and Sharma, R.P. (University of Hyderabad)	DBT	98 lakhs	2016
Investigation of cross talk between MAP Kinase and light signaling pathways in Arabidopsis thaliana	Chattopadhyay, S. and Sinha, A.K., NIPGR, New Delhi	DST	37 lakhs	2016
Approaches for the enhanced production of rapamycin (sirolimus) by Streptomyces hygroscopicus MTCC 4003	Dey, A.	DBT	37.34 Lakhs	2016
Microbiology of arsenic contaminated groundwater of Bengal delta plain: deciphering the role of subsurface microorganisms in As release and prospect for in situ remediation –	Kazy, S.K., NIT Durgapur and Sar, P., IIT Kharagpur	Recommended for support by Department of Science and Technology (DST), Govt. of India,	~41 Lakhs	2016
Enteropathogens dampen innate immune response through inhibition of macrophage functions	Mahata, N.	NIT Durgapur (RIG)	10 lakhs	2016

Department of Chemical Engineering

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Abatement of Fluoride from Ground Water to Supply Safe Drinking Water to Rural People of West Bengal.	Dutta S., ,Adhikari, K.	DST, Govt. of West Bengal	12.37 lakh	2013
Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning	Mandal , Tamal	National Mission Project on education through ICT MHRD, Govt. of India	Rs. 15 lakhs	2009
Dispersion of modified Starch onto Polymer matrix towards Enhancement of its Biodegradability to reduce the SolidWaste Generation	Halder, Gopinath and Das, Bimal	DST-West Bengal	14.88 lakh	2016
Grafting of Fire Retardant Polymer on Rice (Oryza Sativa) Straw for enhancing the durability of Hay-roofed Houses in the Poor People Dominated backward Rural Areas	Halder, G., Mandal, M. K.	DST-Govt. West Bengal		2012
Hetero-Structured nanocomposite Photo Catalyst with enhanced capability for the selective conversion of CO ₂ to Methanol under Visible Light	Mandal, M. K	UGC-DAE Consortium for Scientific Research (UGC-DAE CSR) Kalpakkam Node		2017
Isolation and Characterization of Micro-organisms/Micro-algae from North East region and Eastern Coal mines for Bio-Sequestration of CO ₂ and its Utilization towards Generation of Bio-fuel	Halder, G., Mandal, M. K	DBT- Govt. of India		2013
Optimization on Defluoridation of Contaminated Groundwater by Bioremediation and Biosorption in Integrated Packed bed Reactor	Halder, G.	DBT	25.22 lakhs	2014
Optimization on Defluoridation of Contaminated Groundwater by Bioremediation and Biosorption in Integrated Packed bed Reactor	Halder, G.	DBT	25.22 lakhs	2014
Phycoremediation of Cyanide from Coke-oven Wastewater and CO ₂ Sequestration from Waste gas using a Mixed Consortium of Green Algae and Cyanobacteria: An integrated approach	Dutta S., Dr. K. C. Ghanta	DST, Govt. of India	41.588 lakhs	2015
Process Intensification of Biodiesel Synthesis From Non-Edible Oil Via Superheated Propanol Injection Technique	Halder, G.	DST-SERB	31.51 lakhs	2017

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Studies on upgrading of water quality in coal mining area of Meghalaya and Eastern Coal mines by Chemisorption and Bioremediation towards mitigation of unscientific coal mining	Prof. Tamal Mandal	DBT, Govt of India [Act as Co-investigator]	48.45 lakhs	2014
Targeting the elimination of antineoplastic compounds in hospital wastewaters: novel frontiers in sustainable treatment	Dr.M.K.Mandal & Prof.P.Pal	DBT-INNO INDIGO	209.168lakh	2016
Targeting the elimination of antineoplastic compounds in hospital wastewaters: novel frontiers in sustainable treatment	Mandal, M. K	DBT-INNO Indigo International Partnership Programme		2015
Training SC/ST Community in Selected Rural Areas of Durgapur on Organic Agriculture and Biofertilizer production	Mandal , Tamal	DST-West Bengal	6.9 lakhs	2017

Department of Chemistry

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
DST-FIST	All Faculty members	DST, GOI	117 lakhs	2016
Investigation on the extracts of Swertia chirata, Butea monosperma, Tradescantia pallid and Madhica indica as green corrosion inhibitor for mild steel in acidic medium	Adhikari U.	DST, Govt. Of West Bengal	15.38 lakhs	2017
Fish fat transformation during processing, preservation, braising and its nutritional consequences in terms of food value	Chakrabarty J.	DST ,Govt. of India	31.97 lakhs	2017
Investigation of modulation of transcriptional regulation of CAM7 By COP1 and Ca ⁺⁺ / Mg ⁺⁺ during Arabidopsis	Maji M. & Chattopadhyay S	DST ,Govt. of India	43.26 lahks	2016
Interaction of Bio-active Molecules With Pt(II) and Pd(II) Complexes of Bidentate Supporting Ligands: Their Kinetic, Mechanism and Speciation Studies”	Moi S.C.	DST, Govt. of India	42.592 lakhs	2013
Development of highly efficient microwave absorber through controlled fluorescent nanoparticle localization in an immiscible polymer blend	Panja S.S.	SERB, Govt. of India	55 lakhs	2017
Nickel Complexes Supported by N,S-Donor Ligands: Relevance to the Active Site of Acetyl CoA Synthase (Project no EMR/2014/001059)	Patra A.K.	DST, Govt. Of India	65 lakhs	2015

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Development of a Remedial Scheme for the Contaminated Ground Water Specially for Pesticides, Nitrate and Arsenic with Surface Modified Nanoscale Zero Valent Iron (nZVI) and Nano-Fenton's Oxidation	Saha R.N.	DST, Govt. Of India	28.8 lakhs	2013
Chemically Modified Polysaccharide linked to Schiff Base Ligand-Metal Complex: a Novel Approach of Investigation towards the Antioxidant and Antitumor Activities	Saha T. K.	SERB, Govt. of India	21.83 lakhs	2017
Synthesis of Pharmacologically Active Heterocyclic Compounds via One Pot Three-Component Coupling Reaction Catalyzed by Bio-Inspired Nanoparticles	Saha T. K.	SERB, Govt. of India	31.22 lakhs	2017

Department of Civil Engineering

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Development of Decision Support System for water resource management and flood mitigation of river Kosi system lying in India and Nepal	Dwivedi V.K.	Swedish Research Council, Sween	240 thousand Swedish kroner	2010
Experimental set up for formation of river bed form and erosion around an island in a natural stream.	Dept. of Civil Engineering	DST, Govt. of India	50 Lakhs	2007
200 T Universal Testing Machine with the facilities of tensile test of bars, bond test between steel and concrete, bend-rebend test etc.				
Simulation and Analysis of wind induced deformation and bending effects on shell wall	Samanta A. K.	RIG, NIT Durgapur	10 Lakhs	2014
Nonlinear Coupled Dynamic Analysis of Deep Water Floating Facilities.	Banik A. K.	RIG, NIT Durgapur	10 Lakhs	2014

Department of Computer Science and Engineering

Name of the Department	Title of the Project	Investigator(s)	Sponsoring Organisation	Amount	Starting Year
Computer Science and Engineering	Design and Verification of Cache Coherence Controller in Chip Multiprocessors	Dalui, M.	NIT Durgapur (RIG Phase II)	10 Lakh	2016
Computer Science and Engineering	Delay Tolerant Networks in aiding crucial real life situations	De, T.	NIT Durgapur (RIG)	10 lakhs	2014

Name of the Department	Title of the Project	Investigator(s)	Sponsoring Organisation	Amount	Starting Year
Computer Science and Engineering	Agent Based Algorithmic Approach for Modeling and Optimization of Indian Railway System	Dutta, A.	DST, Govt. of India	Rs. 17.60 lakhs	2014
Computer Science and Engineering	Development of Personalized and Performance based E-Learning tool for existing E-resources	Dutta, A. (Dept. of CSE), Roy, N.K. (Dept. of EE)	DeitY, Govt. of India	Rs. 1 Crore	2013
Computer Science and Engineering	EMPOWER SSE: A Linked Open Data Framework for the Empowerment of Social and Solidarity Economy Agents	Dutta, A. From Portugal side: Ana Alice Baptista, University of Minho,	Indo-Portugal Bilateral Scientific and Technological Cooperation, DST, Govt of India	Rs. 33.00 Lakhs	2017
Computer Science and Engineering	Information Security Education and Awareness Project (ISEA-II)	Howlader, J., Choudhury, S.,	MeitY, Govt. India	36.60 Lakhs	2015
Computer Science and Engineering	Automated Heterogeneous Face Recognition for Law-enforcement	Kisku, D.R.	RIG II, NIT Durgapur	9.46 Lakhs	2016
Computer Science and Engineering	Design and Development of Electrohydrodynamic Inkjet Printing System	Murmu, N.C. (CSRI-CMERI, Durgapur), Roy, S.S. (Dept. of ME, NIT Durgapur), Kisku, D.R. (Dept. of CSE, NIT Durgapur)	DST/TSG/AMT	116.837 Lakhs	2016
Computer Science & Engineering and Computer Applications	Post-Disaster Situation Analysis and Resource Management Using Delay-Tolerant Peer-to-Peer Wireless Networks (DISARM)	Nandi, S., Saha, S. (Dept. of CSE, NIT Durgapur) (Other Institute: IIT KGP, IIM Kolkata, IESTS, KGEC Kalyani, HIT Kolkata)	Information Technology Research Academy (ITRA) Ministry of Communications and Information Technology, Govt. of India	69.67L	2013

Name of the Department	Title of the Project	Investigator(s)	Sponsoring Organisation	Amount	Starting Year
Computer Science and Engineering	Development of Computational Intelligence based Methodologies for Orienteering and Vehicle Routing Problem on Social Network	Pal, T.	NIT Durgapur (RIG Phase II)	10 Lakh	2016
Computer Science and Engineering	A Framework for Healthcare Services using Mobile and Sensor-Cloud Technologies	Sarkar, A. (Other Institute: JU, CU, IESTS, KIIT, FGIET Rae Bareli)	ITRA, Media Lab Asia	Rs. 42.63 Lakhs	2013

Department of Electrical Engineering

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Developing Suitable Pedagogical Methods for Various Classes, Intellectual Calibres and Research in E-Learning	Roy N K Prof.	Under National ICT Mission MHRD, Govt of India	Rs 0.83 Crores	2013
Principal Investigator, a project titled "Development of Personalised and Performance based E- Learning tool for existing E-resources	Roy N K Prof.	Department of Electronics and Information Technology (DieTY), Govt of India	Rs 0.99 Crores	2013
A Study on the Effect of Nanoparticles on the Critical Parameters of Insulating Fluids,	Roy N K Prof.	Under CPRI, Ministry of Power, Govt of India	Rs 20 Lakhs	2016
Control of Stand-alone Induction Generators	Mahato S. N. Dr.	NIT Durgapur	9.75 Lakh	2014
Control of Multi-Input Converter for Hybrid Wind Solar Battery based System (CMIC)	Principal Investigator: SAHA TAPAS KUMAR Dr. Co-Principal Investigator(s): DEY JAYATI Dr.	National institute of Wind Energy (NIWE)	Rs. 30,71,778.00	22nd March, 2017
Improvement of smart microgrid flexibility and power quality using phasor measurement unit	Bhowmik P.S. Dr.	DST-SERB	26,40,000	2017
Investigation on nonlinearities associated with cardiovascular regulation linked with lipid metabolism	Halder Suman Dr.	NIT Durgapur	9.88 Lakh	2016

Department of Electronics and Communication Engineering

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Uncoordinated, secure and energy aware access in distributed wireless networks	Kundu, S.	ITRA, Department of Information and Technology	34 Lakhs	2014
HfO ₂ -based resistive switching oxides for future non-volatile memory applications in silicon nanoelectronics	Mahapatra, R., Mal, A. K., Kar, R.	NIT Durgapur	30	2014
SMDP C2SD	Mal, A. K., Mahapatra, R.	DeiTY		2014
Studies on Novel Optimization Techniques to Synthesize Radiation Pattern of Antenna Arrays	Mandal Durbadal (PI)	SERB - DST	34.792 Lakhs	2013
Design of Efficient Rectenna System to Harvest Ambient RF Energy	Mandal, S.K. (ECE), Mitra, D. (IT)	NIT Durgapur (RIG)	20 lakhs	2016
Development of Novel Time Modulated Antenna Arrays for the Present Communication Systems	Mandal, S.K. (ECE)	SERB-DST	39.60 Lakhs	2017

Department of Earth and Environmental Studies

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Abatement of Fluoride from Ground Water to Supply Safe Drinking Water to Rural People of West Bengal	Dr S.Datta, Dr K. Adhikari	Department of Science and Technology, Govt of West Bengal, India.	12,36,950	2013
Land subsidence study	Dr. K. Adhikari Dr. S. Pal	Essar Oil Ltd.	8,00,000	2016

Department of Mathematics

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Development of doubly-even self-dual binary codes of length 24k	S. Bagchi	SERB, DST, India	15.24 lakh	2017
In-depth study on D-generalized Metric Spaces	L. K. Dey	NBHM, DAE, India	1.675 lakh	2017
Homoclinic bifurcations in fluid systems	P. Pal	NBHM, India	6.08 lakhs	2015
Graph labeling and its applications	A. Pal	SERB, DST, India	17.91 lakhs	2015
Magnetoconvection of low Prandtl-number fluids	P. Pal	SERB, India	21.14 lakh	2016

Department of Mechanical Engineering

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Investigation of heat transfer and fluid flow phenomenon of artificially roughened duct using liquid crystal thermography system	Layek Apurba	DST SERB	31.84 lacs	2013
Design and Development of Electro-hydrodynamic Inkjet Printing System	Roy S.S.	DST, New Delhi	20.60 lakhs	Aug., 2016

Department of Metallurgical and Materials Engineering

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
An investigation on accelerated spheroidization and mechanical property evaluation of high carbon steel under cyclic forced air cooling	Dr. Maity J. & Dr. Show B. K.	SERB-DST (Extra Mural (Individual Centric)	Rs.31,04,700/-	2015
Wear Behaviour of Al-Si Alloys at Room Temperature and at Elevated Temperature	Dr. Show B.K.	SERB-DST (Start Up Research Grant (Young Scientist)	Rs.25,07,500/	2015

Department of Physics

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Optical studies of polyaniline based nanocomposites by steady state and time-resolved techniques	Chakraborty, AK (Co-PI) & Sinha, S. (PI, Visva-Bharati Univ.)	CSIR	7.0	2016
Development of Polymer nanocomposites with graphene nanoplatelets	Chakraborty AK	DST, Govt. of India	27.6 lakhs	2014
Interface and load transfer in carbon nanostructure based epoxy nanocomposites	Chakraborty AK	Swiss Federal Lab for Material Sci .& Tech. (EMPA), Switzerland	25.2 lakhs	2014
Development and characterization of semiconductor nanostructures to obtain nanomaterials with enhanced photoluminescence and photocatalytic properties	Kumbhakar P(PI)	CSIR	Rs.19,17,000.00	2015
Modernization & setting up of Physics Laboratory	Meikap A K (Co-ordinator) & all faculty are members	DST-FIST	Rs.82,00,000.00	2012

Title of the Project	Investigator(s)	Sponsoring Organisation	Amount (in Rs)	Starting Year
Development and haracterization of Magnetodielectric Materials for the use of Substracts in Antenna Miniaturization	MeikapA K (Principal Investigator) & SahooS & M K Mandal(Co-Invest)	DST-SERB	Rs.27,75,520.00	2017
Development and Char-acterization of Polymer Multiferroic Nanocom-posites for Enhance Magneto-Dielectric Behavior at Radio Frequency	Meikap A K (PI) & Sahoo, S (Co-Invest)	DAE BRNS	Rs.24,80,750.00	2014
A unique technique for synthesis of InN Nano-wire assembly for the application of optical sensor	Mondal A(Principal Investigator)	BRNS, DAE	33.23 lakhs	2016
To develop and fabricate an efficient TiO2 nanowire array based UV detector using plasmonic nanoparticles array	Mondal A(Principal Investigator)	CSIR	Rs. 17.9 lakhs	2016
“Investigation of complex dynamics of nonlinear system like Plasmas and Gas-geochemical emissions from hot springs through experiments, nonlinear time series analysis and validation by modelling”	Sekar Iyengar A N, Janaki M S, Chaudhuri H (Implementing Institution: SINP, Kolkata)	SERB, DST Govt. of India	33.01 Lakh	2017 2020
Phenomenology of Z' boson, B meson decays, Higgs boson and new physics	Sahoo S	SERB-DST	Rs. 19 lakhs	2016

Annexure - 11.4(b) Projects completed during 2016-17

Department of Biotechnology

Title of the Project	Investigator(s)	Sponsoring authority
Investigation of Interconnecting disease defense	Chattopadhyay, S.	DST-SERB
Studying Fanconi Anemia: A Rare Disorder: For understanding the Mitochondrial Role in Genomic Instability and Cancer	Mukhopadhyay, S.S.	DBT
Antibody and RNAi-based resistance to rice blast fungus	Roy Barman, S.	DBT
Secondary metabolism and pathogenesis in rice blast fungus	Roy Barman, S.	DBT

Department of Chemical Engineering

Title of the Project	Investigator(s)	Sponsoring authority
Isolation and Characterisation of Microorganisms/Microalgae from North eastern region and Eastern coal mines for biosequestration of Carbon dioxide and its utilization towards generation of biofuel	Halder, .G	DBT
Studies on Upgrading of Water Quality in Coal mining areas of Meghalaya and Eastern Coal mines by Chemisorption and Bioremediation towards Mitigation of Unscientific Coal mining	Halder, G.	DBT
Synthesis of Bioethanol from Sugarcane Bagasse in a Membrane – Integrated Hybrid System - A Green Technology Approach (Amount: 60.34 Lacks)	Dr. J. Sikder (PI) Dr. G. N. Halder (Co-PI)	DBT Department: International Cooperation (Bilateral)

Department of Civil Engineering

Title of the Project	Investigator(s)	Sponsoring authority
Experimental set up for formation of river bed form and erosion around an island in a natural stream.	Dwivedi, V.K.	DST-FIST and NIT Durgapur
Development of Decision Support System for water resource management and flood mitigation of river Kosi system lying in India and Nepal	Dwivedi, V.K.	Swedish Research Council, Sweden
Pedagogy Project: Developing Suitable Pedagogy Methods for Various Classes , Intellectual Calibres and Research in e-Learning. Course developed: Design of RC Structure	Roy, P (Principal Developer)	MHRD, Govt. of India

Department of Computer Science and Engineering

Title of the Project	Investigator(s)	Sponsoring authority
DST-FIST in Department of CSE	Roy, S. (Co-ordinator), Sanyal, G., Sen, B., Guhathakurta, P.K.	DST, GOI

Department of Electronics and Communication Engineering

Title of the Project	Investigator(s)	Sponsoring authority
DST-FIST	All faculty of the department	Department of Science and Technology, Government of India.

Department of Mathematics

Title of the Project	Investigator(s)	Sponsoring authority
Hybrid Modelling of Uncertainty Analysis in Environmental Risk Assessments	S. Kar	Department of Atomic Energy, India (No. 2012/36/66-BRNS/2949)

Department of Mechanical Engineering

Title of the Project	Investigator(s)	Sponsoring authority
Heat Transfer at High Prandtl Numbers	Weigand, B., Pramanick, A. K.	DAAD, Germany
Investigation on Geometry and size Effects in Micro EDM	Barman S.(PI) Puri A. B.(Co-PI)	DST/ SERB

Department of Metallurgical and Materials Engineering

Title of the Project	Investigator(s)	Sponsoring authority
Development of ceramic particle dispersed Aluminum alloy composite	Bera S.	DST, India
"MD-Stochastic Model Based Design and Development of Nanofluids for Advanced Thermal Applications"	Ghosh M.M.	DST, India
Application of Automation/Robotics/Simulation studies in steel plant process development.	Ganguly A.	Ministry of Steel Scholarship Scheme (2016-17):
Low grade material exploitation and waste utilisation for better steel plant economics.	Ganguly A.	Ministry of Steel Scholarship Scheme (2016-17):
Strengthening of PG & Research Facility of MME Dept"	Prof. Ghosh K.S & Other Faculty members of MMED	DST-FIST

Department of Physics

Title of the Project	Investigator(s)	Sponsoring authority
Development and Characterization of Polymer-Carbon Nanotube composites to enhance Multiple Reflections Mechanism of Electromagnetic Interference Shielding	A K Meikap (Principal Investigator)	CSIR
Synthesis of In ₂ O ₃ Nano-Wire assembly and UV detector	Mondal A (Principal Investigator)	DST SERB
Graphene Assisted Low-cost Energy-efficient Solar-cell	Chakraborty AK	DST-UKIERI (India-UK) jointly with Open University, UK
Earth abundant nanomaterials for photocatalytic water splitting	Chakraborty, AK & Jaeckel, F. (Liverpool)	Liverpool University, through GCRF grant of EPSRC, UK
Pedagogy Research Project on "Optoelectronics based Instrumentation", Main Phase	Kumbhakar P. & Mandal, M. K.	MHRD through MLM (NMEICT) Project, IIT KGP
Pedagogy Research Project on "Fundamentals of Photonics and Optoelectronics", Main Phase	Kumbhakar P. & Mandal, M. K.	MHRD through MLM (NMEICT) Project, IIT KGP
Centre of Excellence in Advanced Materials	Chakraborty, AK & Mondal, DK (MME) (PIs) and 8 other members from PH, MME and ECE	MHRD, through TEQIP-II, Govt. of India

Annexure–11.4(c) i. Research papers published in SCI / SCOPUS / Web of Science journals during 2016-17

Department of Biotechnology

1. Behera, M., Dhali, D., Chityala, S., Mandal, T., Bhattacharya, P., Mandal, D. D. 2016. Evaluation of performance of *Planococcus* sp. TRC1 an indigenous bacterial isolate monoculture as bioremediator for tannery effluent, *Desalination and Water Treatment* 57, 13213-13224. *
2. Bera, S., Dutta, D. 2017. Encapsulation and release of a bacterial carotenoid from hydrogel matrix: Characterization, kinetics and antioxidant study, *Engineering in Life Sciences*, (DOI: 10.1002/elsc.201600238).
3. Bera, S., Sharma, V. P., Dutta, S., Dutta, D. 2016. Biological decolorization and detoxification of malachite green from aqueous solution by *Dietzia maris* NIT-D, *Journal of the Taiwan Institute of Chemical Engineers* 67, 271- 284.
4. Dasgupta, J., Kumar, A., Mandal, D. D., Mandal, T., Datta, S. 2016. Removal of phenol from aqueous solutions using adsorbents derived from low-cost agro-residues, *Desalination and Water Treatment* 57, 14188-14212. *
5. Dodda, S. R., Sarkar, N., Aikat, K., Krishnaraj, N. R., Bhattacharjee, S., Bagchi, A., Mukhopadhyay, S. S. 2016. Insights from the Molecular Dynamics Simulation of Cellobiohydrolase Cel6A Molecular Structural Model from *Aspergillus fumigatus* NITDGPKA3, *Comb Chem High Throughput Screen* 19, 325-333.
6. Dutta, S., Basak, B., Bhunia, B., Sinha, A., Dey, A. 2017, Approaches towards the enhanced production of Rapamycin by *Streptomyces hygrosopicus* MTCC 4003 through mutagenesis and optimization of process parameters by Taguchi orthogonal array methodology, *World J Microbiol Biotechnol* 33, 90.
7. Krishnaraj, R. N., Kumari, S. S., Mukhopadhyay, S. S. 2016. Antagonistic molecular interactions of photosynthetic pigments with molecular disease targets: a new approach to treat AD and ALS, *J Recept Signal Transduct Res* 36, 67-71.
8. Kumar, S., Mazumder, M., Gupta, N., Chattopadhyay, S., Gourinath, S. 2016. Crystal structure of *Arabidopsis thaliana* calmodulin7 and insight into its mode of DNA binding, *FEBS Lett* 590, 3029-3039.
9. Kumar, A., Priyadarshinee, R., Roy, A., Dasgupta, D., Mandal, T. 2016. Current techniques in rice mill effluent treatment: Emerging opportunities for waste reuse and waste-to-energy conversion, *Chemosphere* 164, 404-412. *
10. Kumar, A., Singha, S., Sengupta, B., Dasgupta, D., Datta, S., Mandal, T. 2016. Intensive insight into the enhanced utilization of rice husk ash: Abatement of rice mill wastewater and recovery of silica as a value added product, *Ecological Engineering* 91, 270-281. *
11. Kumar, A., Priyadarshinee, R., Singha, S., Dasgupta, D., Mandal, T. 2016. Rice husk ash-based silica-supported iron catalyst coupled with Fenton-like process for the abatement of rice mill wastewater, *Clean Technologies and Environmental Policy* 18, 2565-2577. *
12. Kumar, A., Sengupta, B., Dasgupta, D., Mandal, T., Datta, S. 2016. Recovery of value added products from rice husk ash to explore an economic way for recycle and reuse of agricultural waste, *Reviews in Environmental Science and Bio/Technology* 15, 47-65. *
13. Mahato, D., Samanta, D., Mukhopadhyay, S. S., Krishnaraj, R. N. 2017. A systems biology approach for elucidating the interaction of curcumin with Fanconi anemia FANCD1 protein and the key disease targets of leukemia, *J Recept Signal Transduct Res* 37, 276-282.
14. Mitra, R., Chaudhuri, S., Dutta, D. 2017. Modelling the growth kinetics of *Kocuria marina* DAGII as a function of single and binary substrate during batch production of beta-Cryptoxanthin, *Bioprocess Biosyst Eng* 40, 99-113.
15. Mitra, R., Samanta, A. K., Chaudhuri, S., Dutta, D. 2017. Effect of Selected Physico-Chemical Factors on Bacterial -Cryptoxanthin Degradation: Stability and Kinetic Study, *Journal of Food Process Engineering* 40, e12379-n/a.

16. Mohapatra, B., Sarkar, A., Joshi, S., Chatterjee, A., Kazy, S. K., Maiti, M. K., Satyanarayana, T., Sar, P. 2017. An arsenate-reducing and alkane-metabolizing novel bacterium, *Rhizobium arsenicireducens* sp. nov., isolated from arsenic-rich groundwater, *Arch Microbiol*199, 191-201.
17. Mondal, S., Bobde, K., Aikat, K., Halder, G. 2016. Biosorptive uptake of ibuprofen by steam activated biochar derived from mung bean husk: Equilibrium, kinetics, thermodynamics, modeling and eco-toxicological studies, *J Environ Manage*182, 581-594. *
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19. Mondal, S., Dey, A., Pal, U. 2016. Low temperature wet-chemical synthesis of spherical hydroxyapatite nanoparticles and their in situ cytotoxicity study. *Advances in Nano Research* 4(4), 295-307.
20. Mondal, S., Dey, A., Pal, U. 2016. Natural origin hydroxyapatite scaffold as potential bone tissue engineering substitute. *Ceramics International*. 42, 18338-18346
21. Neogi, S., Dey, A., Chatterjee, P.K. 2016 Microflora from leaf debris is suitable for treatment of starch industry wastewater. *Eng. Life Sci.*16, 683–689
22. Priyadarshinee, R., Kumar, A., Mandal, T., Dasguptamandal, D. 2016. Unleashing the potential of ligninolytic bacterial contributions towards pulp and paper industry: key challenges and new insights, *Environ Sci Pollut Res Int*23, 23349-23368. *
23. Ram, H., Jain, M., Singh, A., Chattopadhyay, S. 2016. Functional Relationship of GBF1 with HY5 and HYH in Genome-Wide Gene Expression in Arabidopsis, *Plant Molecular Biology Reporter*34, 211-220.
24. Rathour, R., Das, P., Aikat, K. 2016. Microwave-assisted synthesis of graphene and its application for adsorptive removal of malachite green: thermodynamics, kinetics and isotherm study, *Desalination and Water Treatment*57, 7312-7321.
25. Samanta, A., Mitra, I., Reddy B, V. P., Mukherjee, S., Mahata, S., Linert, W., Misini, B., Bhattacharjee, A., Dhabal, S., Ghosh, G. K., Moi, S. C. 2017. Kinetics and mechanism of interaction of Pt(II) complex with bio-active ligands and in vitro Pt(II)-sulfur adduct formation in aqueous medium: bio-activity and computational study, *Journal of Coordination Chemistry*70, 1032-1052. *
26. Sarkar, J., Kazy, S. K., Gupta, A., Dutta, A., Mohapatra, B., Roy, A., Bera, P., Mitra, A., Sar, P. 2016. Biostimulation of Indigenous Microbial Community for Bioremediation of Petroleum Refinery Sludge, *Front Microbiol*7, 1407.
27. Sinha, K., Aikat, K., Das, P., Datta, S. 2016. Dyeing of modified cotton fiber with natural *Terminalia arjuna* dye: Optimization of dyeing parameters using response surface methodology, *Environmental Progress & Sustainable Energy*35, 719-728.
28. Verma, P., Yadav, A. N., Khannam, K. S., Mishra, S., Kumar, S., Saxena, A. K., Suman, A. 2016. Appraisal of diversity and functional attributes of thermotolerant wheat associated bacteria from the peninsular zone of India, *Saudi Journal of Biological Sciences*.

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Department of Chemical Engineering

1. Ajeer, A., Thanikal, J. V., Narayanan, C.M., Yazidi, H., Studies on the Influence of the Characteristics of Substrates on Biogas Production, *International J. of Current Research*, 8, 2016
2. Aparna Mukherjee, Seema Halder, Deepshikha Datta, Kumar Anupam, Biren Hazra, Mrinal Kanti Mandal, Gopinath Halder. Free radical induced grafting of acrylonitrile on pre-treated rice straw for enhancing its durability and flame retardancy, *Journal of Advanced Research*, 8 (1), 73–83 (2017).
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5. Avinash V. Palodkar, Kumar Anupam, Zunipa Roy, B. B. Saha, G. N. Halder, High pressure adsorption isotherms of nitrogen onto granular activated carbon for a single bed pressure swing adsorption refrigeration system, *Heat and Mass Transfer*, DOI 10.1007/s00231-017-2057-9 (2017).
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13. Behera, M., Dhali, D., Chityala, S., Mandal, T., Bhattacharya, P., Dasgupta Mandal, D., Evaluation of performance of *Planococcus sp. TRC1* an indigenous bacterial isolate monoculture as bioremediator for tannery effluent. *Desalination and Water Treatment (Taylor & Francis)* 57, 13213-13224, 2016
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15. Bhattacharya, A., Sadhukhan, A. K., Ganguly, A., Chatterjee, P. K., Dilute Acid Induced Changes on Microscopic and Tomographic Structure of Water Hyacinth [*Eichhornia Crassipes* (Mart.) Solms] Biomass during Bioconversion Process to Xylitol, *Indian Journal of Science and Technology*, Volume 9, Issue 6, 2016
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18. Chakraborty, S., Rusli, H., Nath, A., Sikder, J., Bhattacharjee, C., Curcio, S., & Drioli, E., Immobilized biocatalytic process development and potential application in membrane separation: a review, *Critical reviews in biotechnology*, 36, 43-58, 2016.
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20. Chatterjee, A., Das, D., Sadhukhan, A. K., Chatterjee, P. K., Probabilistic Assessment of UPV Test Result of a Degasser Unit, *Journal of Non-destructive Evaluation*, 36: 18, 2017
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26. De, Tripti, Sikder, Jaya, Narayanan, CM., Biodiesel synthesis using immobilised lipase enzyme in semi fluidised bed bioreactors—bioreactor design and performance analysis, *Environmental Progress & Sustainable Energy*, DOI: 10.1002/ep.12602, 2017.
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Annexure–11.4(c) ii. Research papers accepted for publication in SCI / SCOPUS / Web of Science

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Department of Mechanical Engineering

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Department of Metallurgical and Materials Engineering

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Department of Physics

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Annexure – 11.4(c).iii Research papers published in other peer-reviewed journals

Department of Biotechnology

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Department of Civil Engineering

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Department of Computer Science and Engineering

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Department of Electrical Engineering

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Department of Earth and Environmental Studies

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Department of Humanities and Social Sciences

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Department of Electronics and Communication Engineering

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Department of Management Studies

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Department of Mathematics

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4. Mitra Thakur, G.S., Bhattacharyya, R., Sarkar (Mondal), S., 2016. Artificial Neural Network based Model for Forecasting of Inflation in India, *Fuzzy Information and Engineering* 8(1), 87-100
5. P. Parichha, K. Basu and A. Bandyopadhyay, : Development of Effective Estimation Strategy for Population Mean in Two – Phase Sampling, “*International Journal of Statistics and Economics*” (ISSN 0973-7022), vol.18(2), 2017

Department of Mechanical Engineering

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2. Karanjkar A. V., Banerjee Nilotpal, January 2017, Free Vibration Analysis of a Car Bonnet for Damage Detection, *International Journal of Engineering and Management Research*, Volume-7, Issue-1
3. Sinha Prasanta K., Biswas A. K., Mullick A.N, Majumdar B., Flow Development through a Duct and a Diffuser Using CFD, www.ijera.com ISSN:2248-9622, vol-7, Issue 1 (Part-4) January -2017, pp 46-54.

Department of Metallurgical and Materials Engineering

1. Das Anirban and Ghosh M. M., A Parametric Study on the Thermal Conductivity of Nanoparticles Using Molecular Dynamics Simulations, *Advanced Science, Engineering and Medicine*, Vol. 8, No. 8, Aug. 2016, pp. 646-652.

Department of Physics

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Annexure – 11.4(c).iv Papers Accepted For Publication In other Peer-Reviewed Journals

Department of Mathematics

1. Karmakar, S., Dey, L. K., Kumam, P., Chanda, A., Best proximity results for cyclic-implicit contractions in quasi-metric spaces and its consequences, to appear in *Advances in Fixed Point Theory* (28 February, 2017).
2. Dey, A., Pal, A., Type of Vertices in A Fuzzy Graph, *International Journal of Advanced Engineering and Management* (02 March, 2017).
3. Ghosh, S., Pal, A., Cordial Labeling of Cartesian Product between $K_{n,n} \times Pr$ and $K_{n,n} \times Cr$, *International Journal of Advanced Engineering and Management* (02 March, 2017).
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5. Chatterjee, K. Kar, S., Unified Granular-number based AHP- VIKOR multi-criteria decision framework, *Granular Computing*, (December, 2016).
6. P. Parichha, K. Basu and A. Bandyopadhyay, (2017): "Efficient Estimation of Population Mean in Two-phase Sampling Using Auxiliary Information in Sample Surveys" *International Journal of Mathematics and Computation*.

Annexure – 11.4(d) Research papers presented in conferences and published in proceedings

Department of Biotechnology

1. B. Vishal, Mitra, R., Dutta, D., 08-10 March, 2017. Identification and characterization of a newly isolated Carotenoid producing bacterium. In Proceedings of the International conference on, "Advances in Biotechnology and Biotherapeutics" (ICABBS-2017); Copyright @ 2017 Sathyabama University; ISBN: 978-93-83409-30-3; Sathyabama University, Chennai, India.
2. D' Souza, D., Mitra, D., Dutta, D., 08-10 March, 2017. Extraction, Profiling and Identification of a Carotenoid Produced by an Unidentified Bacterial Strain. In Proceedings of the International conference on "Advances in Biotechnology and Biotherapeutics" (ICABBS-2017); Copyright @ 2017 Sathyabama University; ISBN: 978-93-83409-30-3; Sathyabama University, Chennai, India.
3. Dey, A., Basak, B., Dutta, S., Bhunia, B., 27-30 December, 2016. Biodegradation of 4-chlorophenol in a pack-bed column reactor using *Candida tropicalis* PHB5 immobilized on sugarcane bagasse particle. *CHEMCON 2016*
4. Dey, A., Bhunia, B., Dutta, S., January 2016. Studies on the effect of agitation and aeration for the Improved protease production by *Bacillus licheniformis* NCIM-2042. *Materials Today: Proceedings 3* (2016) 3444–3449
5. Ghosh, M., 23-25 November 2017. A novel drug combination for anti leishmanial therapy. 4th International Conference on World congress of Gerontology and geriatrics, Bengaluru, Karnataka, India.
6. Kazy, S. K., Pal, S., Kundu, A., Roy, A., Das Banerjee, T., Sar, P, 8-10 December, 2016. Genome analysis of crude oil degrading *Franconibacter* sp. strain DJ34 isolated from tank bottom sludge of Duliajan oilfields, Assam, India, International Conference on Current Trends in Biotechnology, 2016 organised by Biotech Research Society of India (BRSI) at VIT, Vellore.
7. Mitra, R., Chaudhuri, S., Dutta D., 27-30 December, 2016. Stability studies of bacterial -Cryptoxanthin for use as a nutritional supplement. In: International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016); Copyright © IIT Kharagpur 2016; ISBN: 978-93-86256-30-0; Indian Institute of Technology Kharagpur, India.

Department of Chemical Engineering

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2. Ghosh, A., Sarkar, J. P., Das , B., Analysis of Municipal Solid Waste conversion techniques for efficient resource recovery in India A Review 4th 3R International Scientific Conference on Material Cycles and Waste Management; 4th 3RINCS, March 08 – 10, 2017
3. Kundu, A., Datta, D., Das, B., Re-Refining of Used Lubrication Oil by Acid-Clay Process, 12th SCHEMCON 2016, B V R Institute of Technology, Narsapur, Telengana 24, 10 - 11 September 2016
4. Ganta, U., Bhardwaj, K., Dutta, S., Guha Thakurata, S., and Chakraborty, J., Phycoremediation of cyanide from coke-oven wastewater using cyanobacteria and assessment of biofuel production, The 9th. Asia-Pacific Conference on Algal Biotechnology: Algae for Food, Feed, Fuel and Beyond (APCAB -2016), Bangkok, Thailand, November 15-18, 2016
5. Biswas, G., Dutta, S., Adhikari, K., Guha Thakurata, S., and Chakraborty, J., Uptake of fluoride by living cyanobacteria and assessment of lipid production under fluoride stress condition, The 9th. Asia-Pacific Conference on Algal Biotechnology: Algae for Food, Feed, Fuel and Beyond (APCAB -2016), Bangkok, Thailand, November 15-18, 2016
6. Pathak, U., Majee, S., Das, P., Kumar, T., Mandal, T., A Critical Overview on Petroleum Wastewater: Origin Treatment and Management. International Conference on Challenges and Prospects of Petroleum Production and Processing Industries. ISM Dhanbad, Jharkhand. January 12-14, 2017.
7. Pathak, U., Mandal, T., Das, P., Dasgupta Mandal, D., Datta, S., Kumar, T., Study of ammonia removal from simulated coke oven wastewater using commercial charcoal activated carbon. 6th International Conference on Solid Waste Management Air and Water. Jadavpur University, Kolkata India. November 24-26, 2016. Awarded Best Paper in this event.
8. Kannaujiya, M. C., Mandal, D. D., Mandal, T., Removal of leather dye from aqueous solution with adsorption technique using Solanum melongena (eggplant) as low cost adsorbent. INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY- EXTENSION & OUT REACH" from March, 20-21, 2016. Department of Environmental Studies Visva-Bharati, Santiniketan, India.
9. Sengupta, B., Kumar, A., Dasgupta, D., Mandal, T., Optimization of culture condition for growth and cyanide degradation using RSM for bacteria isolated from coke oven wastewater. 2nd International Conference: HETIS (Harnessing Engineering Technology and Innovation for Sustainable Growth), At Chandigarh, India
10. Kumar, A., Dasgupta, D., Mandal, T., Treatment of coke oven wastewater using ozone with hydrogen peroxide and activated carbon, Desalination for the Environment: Clean Water and Energy, 22–26 May 2016, Marriott Park Hotel, Rome, Italy.
11. Kumar, A., Jash, A., Dasgupta, D., Mandal, T., Sarkar, J.P., Removal of catechol from aqueous solutions by adsorption using low cost activated carbon prepared from Eichhornia crassipes, Desalination for the Environment: Clean Water and Energy, 22–26 May 2016, Marriott Park Hotel, Rome, Italy.
12. Ganta U., Ghanta, K. C., Guha Thakurata, S., Chakraborty, J. and Dutta, S., “Carbon dioxide (CO₂) Sequestration using Microalgae and Assessment of biofuel Production” Proceedings of 3 day National Conference on Recent Developments in Chemistry (RDC), IDurgapur, Oct 04-06, 2016, 74 .
13. Singh, Rohit Kumar, Biswajit Ruj, Ankita Mukherjee, A. K. Sadhukhan & P. Gupta, ‘Pyrolysis of Municipal Plastic Waste: Time Dependent Gas Generation Analysis at 500 OC’ at RECYCLE-2016, International Conference on Waste Management, IIT Guwahati, April 1-2, 2016.
14. Mukherjee, Ankita, Biswajit Ruj, Rohit Kumar Singh, P. Gupta & A. K. Sadhukhan, ‘Plasma Pyrolysis: An Emerging Technology for Sustainable Disposal of Plastic Wastes and Energy Recovery’ at RECYCLE-2016, International Conference on Waste Management, IIT Guwahati, April 1-2, 2016.
15. Jana, Anusua, Rohit Kumar Singh, Biman Bhattacharya, Biswajit Ruj, Anup Kumar Sadhukhan and Parthapratim Gupta, ‘Energy Recovery and Waste Disposal of Medium Vehicle Tyre Waste through Pyrolysis’ at RECYCLE-2016, International Conference on Waste Management, IIT Guwahati, April 1-2, 2016.

16. Saha, Koel, Pooja Verma, Jaya Sikder, Sudip Chakraborty. 8th – 10th March 2017. Cellulase immobilization in alginate gel for ease of recycling during hydrolysis of pretreated sugarcane bagasse. International conference on Advances in Biotechnology and Biotherapeutics ICABBS-2017 at Sathyabama University, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119. Tamilnadu, India.
17. Sikder, Jaya, Koel Saha, Avishek Maharana, Sudip Chakraborty. 8th – 10th March 2017. Continuous production and membrane-based purification of bioethanol produced from sugarcane bagasse. International conference on Advances in Biotechnology and Biotherapeutics ICABBS-2017 at Sathyabama University, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119. Tamilnadu, India
18. Basu, S., Pal, P., Roy, M., March 17-18, 2017. Selection of Cleanest Chrome Tanning Technology using TOPOSIS Method in Fuzzy Environment , Proceedings of International Conference in Science, Management and Engineering (ICSME2017, Scopus indexed), 17-18 March, 2017, IOSRD, Kerala.
19. Sen, P., Roy, M., Pal., P., March 17-18, 2017. Sensitivity Analysis of Environmental Efficiency : A Case Study, Proceedings of the International Conference on Science, Management and Engineering, ICSME2017, Kerala.

Department of Chemistry

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2. Biswas, G., Dutta, S., Adhikari, K., Guhathakurata, S., Chakraborty, J., November 15-18, 2016 Uptake of fluoride by living cyanobacteria and assessment of lipid production under fluoride stress condition, CO-10, The 9th. Asia-Pacific Conference on Algal Biotechnology: Algae for Food, Feed, Fuel and Beyond (APCAB -2016), Bangkok, Thailand.
3. Chakraborty S., Dutta, S., Saha R.N., Moi S.C., Sukul D., Panja S.S., July 18-20, 2016. Efficacy of a Photocatalyst towards the degradation of a pharmaceutical compound, 4-Aminopyridine by application of response surface methodology, 3rd International Congress on Water, Waste and Energy Management” , Rome, Italy.
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62. Tiwary P., Chakraborty N., Mahapatra R., Chakraborty A.K., Flower Like ZnO Nanostructures for Sensing of Gases, 2nd International Conference on Emerging Materials: Characterization and Application, (EMCA), NIT Durgapur, India, March 15-17, 2017, P-45, page 109.
63. Venkanna M., Chakraborty A.K., Ganesh V., Functionalized Graphene-Polyaniline Composite for Application in Supercapacitor, 2nd International Conference on Emerging Materials: Characterization and Application, (EMCA), NIT Durgapur, India, March 15-17, 2017, O-54, page 55.

Annexure - 11.4(e) Visits abroad during 2016-17

Department of Biotechnology

Name	Name of the Programme	Organized by	Date of the programme
Dey, A	Invited plenary talk at 2nd World congress and exhibition on Antibiotics and Antibiotics Resistance	Conference Series LLC, Manchester, UK	October 13-16, 2016

Department of Chemical Engineering

Name	Name of the Programme	Organized by	Date of the programme
Dutta, S.	The 9th. Asia-Pacific Conference on Algal Biotechnology: Algae for Food, Feed, Fuel and Beyond (APCAB -2016), Bangkok, Thailand,	Asia-Pacific Society for Applied Phycology (APSAP) and King Mongkut's University of Technology Thonburi (KMUTT), Thailand	November 15-18, 2016, CO-10.
Halder, G.	International conference	European Desalination Society, ROME, ITALY	May 21-28, 2016
Mandal, T.	International conference	European Desalination Society, ROME, ITALY	May 21-28, 2016
Pal, P.	Collaborative research	LUT, Finland	Sept 2016

Department of Chemistry

Name	Name of the Programme	Organized by	Date of the programme
Moi, S.C.	3rd International Congress on water, waste and energy Management	Science Know International conference, Rome, Italy	July 18-20, 2016
Sukul, D.	3rd International Congress on water, waste and energy Management	Science Know International conference, Rome, Italy	July 18-20, 2016
Saha, R.N.	3rd International Congress on water, waste and energy Management	Science Know International conference, Rome, Italy	July 18-20, 2016
Panja, S.S.	3rd International Congress on water, waste and energy Management	Science Know International conference, Rome, Italy	July 18-20, 2016

Department of Civil Engineering

Name	Name of the Programme	Organized by	Date of the programme
Banik, A. K.	ICSOS 2016 International Conference	Hamburg Technical University (TUHH), Germany	August 31-September 2, 2016
Das, D.	2016 EMI International Conference	ASCE EMI and Université de Lorraine, Ile du Saulcy in Metz, France, Europe	October 25- 27, 2016
Roy, P.	6th Asian-Pacific Symposium on Structural Reliability and its Applications (APSSRA 2016)	Tongji University, Shanghai, China,	May 28-30, 2016

Department of Computer Science and Engineering

Name	Name of the Programme	Organized by	Date of the programme
Chatterjee, R.K.	IEEE TENCON 2016	IEEE	November 22 – 25, 2016
Choudhury, P.	International conference on Enterprise information systems (ICEIS)	Italy	April 25-28, 2016
Dutta, A.	Collaborative research	University of Genoa, Italy	July 25-27, 2016
Dutta, A.	Attending Conference PRIMA 2017	Thailand	August 22-26, 2016
Dutta, A.	Attending Conference TENCON 2016	Singapore	November 22-25, 2016
Kisku, D.R.	13th Asian Conference on Computer Vision (ACCV'16), Taipei, Taiwan	Asian Federation of Computer Vision	November 20-24, 2016
Kisku, D.R.	IEEE Region 10 Conference (TENCON'16), Singapore	IEEE & Singapore IEEE Section	November 22-25, 2016
Saha, S.	ACM MobiSys	Singapore	June 26-30, 2016
Sarkar, A.	Presenting Paper in ICCOINS 2016, Kuala Lumpur, Malaysia	UTP Kuala Lumpur & IEEE	August 15 – 17, 2016

Name	Name of the Programme	Organized by	Date of the programme
Sarkar, A.	Presenting papers in IEEE TENCON 2016, Singapore	IEEE	November 22 – 25, 2016
Saravanan, C.	ECBA-2016, Sydney, Australia	Academic Fora	August 3-4, 2016
Saravanan, C.	ECBA-2016, Shanghai, China	Academic Fora	September 5-6, 2016

Department of Electrical Engineering

Name	Name of the Programme	Organized by	Date of the programme
Roy N K	European advanced material congress (EAMC), Stockholm, , Sweden.	Committee of European advanced material congress(EAMC), Stockholm	23-25 August, 2016
Acharjee P.	2016 International Conference and Exposition on Electrical and Power Engineering (EPE)	Faculty of Engineering, EPE, IASIRomania, UK,	22 October 2016
Mahato S. N.	IEEE International Conference TENCON 2016, Singapore	IEEE Singapore Section	November 22-25, 2016
Saha T K	International Technical Conference of IEEE Region 10 TENCON 2016	IEEE Singapore Section	22 - 25 November 2016

Department of Electronics and Communication Engineering

Name	Name of the Programme	Organized by	Date of the programme
Kar R.	TENCON 2016	R10 IEEE, Singapore	22 - 25 November 2016
Mahapatra R	Research Visit, University of Liverpool, UK	_	March 05-12, 2017

Department of Humanities and Social Sciences

Name	Name of the Programme	Organized by	Date of the programme
Rai, Shri Krishan	TheFourthInternational Conference on Language, Literature & Society 2017	International Centre for Research & Development (ICRD), Sri Lanka in collaboration with the Department of Communication Studies, Ithaca College, New York, USA, Unique Conferences Canada and JK University , India.	Jan 16-17, 2017
Sengupta, P P	Collaborative Research	University of Connecticut	August-September 2016

Department of Management Studies

Name	Name of the Programme	Organized by	Date of the programme
Roy M	Collaborative research & Delivering invited Lecture on Green Marketing Management	Metropolia University, Helsinki & Lappeenranta Lappeenranta University of Technology, Finland	September 2016
De, A	International Conference	Conference Authority, Manila, Philippines	December 29-30, 2016

Department of Mathematics

Name	Name of the Programme	Organized by	Date of the programme
Pal P.	International workshop on Multistability and Tipping: From Mathematics and Physics to Climate and Brain	Max Planck Institute for the Physics of Complex Systems, Dresden, Germany	October 01- October 08, 2016
Pal A.	Lecture Series	Department of Mathematics and Statistics, Technological Educational Institute of Athens and Patras, Greece.	May 23 – May 27, 2016
Kar S.	Collaborative research Programme	Tsinghua University, Beijing, China.	January 9–January 15, 2017

Department of Metallurgical and Materials Engineering

Name	Name of the Programme	Organized by	Date of the programme
Ghosh M.M.	Collaborative research (As a visiting scholar)	Rensselaer Polytechnic Institute, Troy, NY, USA	Sept. 26-Nov 08, 2016
Bera S	Marie Curie ITN (Post-Doc study)	IFW Dresden, Germany	April-June 15, 2016

Department of Mechanical Engineering

Name	Name of the Programme	Organized by	Date of the programme
Roy S.S.	7th BSME International Conference on Thermal Engineering	Bangladesh University of Engineering and Technology (BUET), Dhaka	Dec. 22-24, 2016

Department of Physics

Name	Name of the Programme	Organized by	Date of the programme
Basu S.	9th ECNP International Conference on Nanostructured Polymers and Nanocomposites (ECNP 2016)	ECNP, Rome Italy	September 18-20, 2016
Chakraborty, AK	Progress review of ongoing joint research project	EMPA, Duebendorf, Switzerland	October 4-16, 2016
Chakraborty, AK	International Conference on Nanotechnology, Nanomaterials & Thin Films (Nano Energy 2016)	University of Liverpool, UK	July 27-29, 2016
Chaudhuri, H	International Scientific Practical Conference "BRICS Water Forum"	Higher School of Economics, Moscow, Russia	September 29-30, 2016
Kumbhakar, P.	Training/study on Leadership and Management Development	Leadership Foundation for Higher Education (LFHE) and UK-India Education and Research Initiatives (UKIERI), Birmingham, UK	April 25-29, 2016
Kumbhakar, P.	European Advanced Materials Congress (EAMC-2016)	International Association of Advanced Materials (IAAM) and Linkoping University, Sweden	Aug. 23-25, 2016
Meikap A. K.	9th ECNP International Conference on Nanostructured Polymers and Nanocomposites (ECNP 2016)	ECNP, Rome Italy	September 18-20, 2016
Meikap A. K.	Collaborative research	Industrial Technology Centre of Nagasaki, Japan,	October 11-26, 2016
Mondal A.	Research collaboration	NITD & Nottingham University UK	23 rd July to 30th July, 2016

Annexure - 11.4(f) Ph.D. degree awarded during 2016-17 session

Department of Biotechnology

Topic	Investigator	Supervisor(s)
Investigation of functional interrelations of ZBF3/CAM7 with COP1 in Arabidopsis seedling development	Dhirodatta Senapati	Chattopadhyay S.
Extraction and Application of Natural Dyes	Keka Sinha	Aikat, K.; Datta, S., Jadavpur University and Das, P, Jadavpur University
Studies on Biosorption of Ranitidine Hydrochloride and Ibuprofen using Biomass from Parthenium hysterophorus and Vigna radiata (Mung Bean) Husk	Sandip Mondal	Aikat, K. and Haldar, G. (Chemical Engg, NIT, DGP)
Studies on Genotoxicity of Industrial Effluents and Its Treatment Strategies for Remedy	Minati Behera	Dasgupta Mandal D.
Studying the role of Fanconi Anemia Proteins (FA) in Mitochondria	JC Bose K	Mukhopadhyay, S.S.
Leishmanial Apical Membrane Antigen: the probable functional analysis in cell adhesion and infection	Bhakti Laha	Ghosh M.
Investigation of genetic and molecular functions of ZBF1/MYC2 with other regulatory protein of light signaling in Arabidopsis seedling development	Moumita Chakraborty	Chattopadhyay, S.

Department of Chemical Engineering

Topic	Investigator	Supervisor(s)
Studies on the production of Xylitol from Lignocellulose Biomass	Bhattacharya Anamica	Prof. A. K. Sadhukhan, Dr. P. K. Chatterjee
A Techno-Economic Feasibility Study in Developing and Implementing Arsenic and Fluoride Abatement Technology	Chakraborty, S.	Pal, P., Roy, M. (MS)
Green Process for Production of Glutamic Acid	Dekonda, V.C.	Pal, P., Kumar, R.
Studies on integrated treatment system for industrial waste and recovery of value added products	Mandal, T.	Kumar, Anuj
Evaluation of Arsenic concentration in Groundwater, Soil, Vegetation through food chain and its impact on environment	Sukanya Chandra	R.Saha(CY) & P.Pal(CH)

Department of Chemistry

Topic	Investigator	Supervisor(s)
Evaluation of Arsenic Contamination in Groundwater, Soil, Vegetation through Food Chain and its Impact on the Environment	Chandra Sukanya	Saha R.N., Pal P.
Effect of some heterocyclic bases on the corrosion inhibition of mild steel in acid medium	Dutta Alokdut	Sukul D.
Development and validation of analytical method by liquid chromatography for analysis of some retinoid & vitamins derivatives, antifungal, steroids and non-steroidal anti-inflammatory drug products	Roy Chinmoy	Chakrabarty J.

Department of Civil Engineering

Topic	Investigator	Supervisor(s)
Modeling and analysis of flexural strength of reinforced concrete beams with corrugated glass fiber reinforced polymer composites.	Aravind N.	Dr. A.K Samanta, Dr. D. K. Singha Roy
A study of progressive collapse in semi-rigid jointed steel frames	Bandyopadhyay Milan	Dr. A K Banik
Data mining and its application for real time hydrologic forecast	Mishra Satanand	Prof. Vijay Kumar Dwivedi
Development of Seismic Risk Assessment Tool for India(SRAI.SA)on Spectrum Based Attenuation Relation	Paul Nilendu K.	Dr.R.P.Nanda

Department of Computer Science and Engineering

Topic	Investigator	Supervisor(s)
Some Methodologies for Decision Making in Uncertain Environment	Das, Sujit	Pal, T.
Computer Science and Engineering	Banerjee, Indradip	Sanyal, G., Bhattacharyya, S.
Computer Science and Engineering	Samanta, Sabyasachi	Sanyal, G.

Department of Electrical Engineering

Topic	Investigator	Supervisor(s)
SOME ASPECTS OF PERIODIC COMPENSATION FOR CONTINUOUS-TIME PLANTS	Chakraborty, Arindam	Dey ,Jayati

Department of Electronics and Communication Engineering

Topic	Investigator	Supervisor(s)
Optimal Design of VLSI Circuits using Evolutionary Optimization Techniques	De B. P.	Kar R., Mandal D., Ghoshal S. P.
Evolutionary Optimization based Radiation Pattern Synthesis of Antenna Arrays With and Without Time Modulation	Ram G.	Mandal D., Kar R., Ghoshal S. P.
Some Studies on The Qos And Mobility Management Issues With THMIP	Sajal Saha	Bhattacharjee A.K. Mukhopadhyay A.K.
Study of transport characteristics in bulk and nanostructure Gallium Nitride	Saswata Chakraborty.	Bhattacharjee A.K. Majumder S. Biswas A.

Department of Earth and Environmental Studies

Name of the Department	Investigator	Supervisor(s)
Detection of subtle and obscure structures in Bengal basin, India using integrated remote sensing studies with special reference to Hydrocarbon exploration in the Basin	Mazumder Subhobrata	K. Adhikari S. Mahapatra D. S. Mitra

Department of Humanities and Social Sciences

Topic	Investigator	Supervisor(s)
Postmodern Elements in T. S. Eliot's Poetry	Mandal, Annesha	Modak, A.

Department of Management Studies

Topic	Investigator	Supervisor(s)
Developing A Model For Better Utilization Of Hospital Resources	Bandyopadhyay, S.,	Dutta, A., Bandyopadhyay, G., Sanyal, G.,
Extension Of Service Quality Gap Model For Edu-Preneurs; A Study Based On Wb	Banerjee Chandan	Mandal K
Capital Structure Determinants And Decisions During Pre And Post Period Of The Recent Financial Crisis In Global Economy: An Empirical Study On Indian Scenario	Banerjee, A.	De, A.
Green Marketing Management In A Developing Economy 2 Dec, 2016	Biswas Aindrila	Roy M
Wavelet Based Multi-Horizon Investment Analysis In An Economy Dominated By Heterogeneous Agents	Chakrabarty, A.	De, A.
Stress In Police Personnel: A Study On Occurrences, Consequences Within West Bengal Police Service And Coping Strategies	Majumdar Nandi Malini	Dutta Avijan

Topic	Investigator	Supervisor(s)
The Influence Of Corporate Culture On Organisational Commitment-Evidence From Selective Hospitality Industry In India	Mitra, M.,	Bandyopadhyay, G.,
Psychological Contract With Reference To Employment Relationship A Study From Fast-Food Industry	Thomas C Anitha	Dutta Avijan

Department of Mathematics

Topic	Investigator	Supervisor(s)
Application of Statistical Methods for Identification of Key Factors for Project Success in Kolkata-Raghunathpur Industrial Growth Axis (West Bengal)	Chowdhury, Angshuman	Sarkar (Mondal), S
Existence and uniqueness of fixed points and best proximity points	Mondal, Saranan	Dey, L. K.
Routes to chaos in Rayleigh-Bénard convection	Nandukumar, Yada	Pal, P.
Application of Fuzzy Mapping in different Real Life Problems	Ghosh, Dhrubojyoti	Pal, A.
A Study of Some New Topological Indices of Graphs	De, Nilanjan	Pal, A.
Some Methodologies for Decision Making in Uncertain Environment	Das, Sujit	Kar, S.
Some aspects of modeling on corporate social responsibility (CSR) with bureaucracy	Debnath, Animesh	Kar, S.
Multi Objective Multi Criteria real life transportation problems under fuzzy environment	Kour, Dalbinder	Basu, K., Mukherjee, S.

Department of Mechanical Engineering

Topic	Investigator	Supervisor(s)
Modelling of Cutting Forces and Stability Analysis in High Speed Ball End Milling	Dikshit Mithilesh Kumar	Puri, A. B., Maity A.

Department of Metallurgical and Materials Engineering

Topic	Investigator	Supervisor(s)
Microstructural, Mechanical and Electrochemical Behaviour of High Alloy Chromium Cast Irons	Mondal Siddhartha Sankar	Prof. D.K Mondal & Prof. K.S. Ghosh

Department of Physics

Topic	Investigator	Supervisor(s)
Applications of TiO ₂ nanoparticle in Optoelectronics and Bio-medical field	Chakrabarty S	Mondal A Saha A.K.
Investigation on Optical Properties of Different ZnO Nanostructures	Chakraborty S	Dr. P. Kumbhakar
Synthesis of Polymer Nanocomposites and its Electrical Magnetic And optical Properties	ChoudhuryS	Meikap A.K.Mandal M. K.
Enlarged photoefficiency of Glancing angle deposited axial SiO _x -TiO ₂ heterostructure nanowires and nitrogen doped TiO ₂ NWs based detectors	DharJ C	Mondal A.
Some Alternative Studies for Developing Ultra fast All Optical Signal Processors Using Optical Nonlinear Materials	GhoshP	Dr. P. Kumbhakar and Dr. B. Sen (Vidyasagar Teachers Training College, Midnapore)
Preparation and characterization of advanced polymer composites with carbon nanostructures	Meriga V	Chakraborty A.K.
Microstructure, Electrical and Optical Characterization of Some Industrial Nanocrystalline Materials Synthesized By High Energy Ball Milling	SahaS	Meikap A.K.Pradhan S.K
Studies on GLAD synthesized SiO _x -In ₂ -xO ₃ -y axial heterostructure nanocolumn arrays as an efficient optical detector and humidity sensor	Singh NK	Mondal A.
Development of Dye Sensitized Nanocrystalline Solar Cells	UshaK	Dr. P. Kumbhakar and Dr. B. Mondal (CSIR-CMERI Durgapur)

Annexure - 11.4(g) Ongoing doctoral Programme

Department of Biotechnology

Topic	Investigator	Supervisor(s)
Production of biopesticide from <i>Mucuna pruriens</i>	Acharya, Bidyut	Aikat, K.
Bio-prospecting of <i>Dietzia maris</i> NIT-D, a carotenoid producing bacterium, from nutraceutical and environmental aspect	Bera, Surojit	Dutta, D.
Cloning and Functional analysis <i>Leishmania donovani</i> Amastin- like surface Protein	Biswas, Bapi	Ghosh, M.
Role of 15-lipoxygenase in the pathogenesis of several diseases	Biswas, Pritam	Bhattacharjee, A
Investigation of the possible functional interrelation between Calmodulin7 (CAM7) and Cyclin Dependent Kinase B2 (CDKB2) in <i>Arabidopsis</i> seedling development	Biswas, Srabasthi	Chattopadhyay, S.
Production of hydrocarbon from microalgae	Bobde, Kiran Ashok	Aikat K. and Bhattacharjee A.

Topic	Investigator	Supervisor(s)
Screening of medicinal plants for drug development	Chatterjee, Chandrima	Chaudhuri, S.
Study of functional polymeric nanoparticles for biomedical application	Chatterjee, Manosree	Mahata, N.
Extraction of mangiferin from <i>Phyllanthus emblica</i> and its application as a nutraceutical	Chowdhury, Sarmistha	Dutta, D.
Biosurfactant production	Das, Ishita	Chaudhuri, S.
Role of AMP-activated kinase in regulating Monoamine Oxidase gene expression in IL-13-activated cells	Das, Payel	Bhattacharjee, A.
Role of Src kinases in Monocyte migration	Das, Pradip	Bhattacharjee, A.
Bioremediation of textile dye	Dasgupta, Arpan	Chaudhuri, S.
Assessment of biomarkers in respect to disease detection and treatment	Deepthy, Sagarika	Ghosh, M.
Role of a novel signaling complex in regulating IL-13-induced 15-lipoxygenase expression in monocytes	Dhabal, Sukhamoy	Bhattacharjee, A.
Studies on the kinetics for enhanced production of rapamycin	Dutta, Subhashish	Dey, A.
Extraction, purification and characterization of bioactive compounds from food waste	Gehlot, Sameep	Chaudhuri, S. Bhattacharjee, A., and Dutta, D.
Useful compounds from plant sources	Ghosh, Tanmay	Aikat, K.
Dampening of macrophage function in innate immunity through the involvement of pattern recognition receptors (PRRs)	Halder, Sudeshna	Mahata, N.
Development, characterization and optimization of novel drug delivery system against degenerative diseases through statistical modelling	Hazra, Moumita	Dasgupta Mandal, D., and Mandal, T. (Chemical Engg, NIT, DGP)
MCM3AP: A novel S phases replication checkpoint protein and its relation to Fanconi anemia protein.	Jain Khatur, Sneha	Mukhopadhyay, S.S.
Production of bacterial cellulose	Kumar, Prakash	Aikat, K. and Kaushik, B.D., (Anand Engg Coll, Agra)
Functional Insights of Fanconi Anemia proteins : special Reference to Mitochondria	Mahto, Ramabalak	Mukhopadhyay, S.S.
Studies on valuable Bioactive compounds characterization, extraction and application.	Majumdar, Shubhasree	Dasgupta Mandal, D
Exploration of <i>Kocuria marina</i> DAGII for pigment production and environmental sustainability	Mitra, Ruchira	Dutta, D.
Studies on the biological treatment of waste water from starch industry for pollution control	Neogi, Subhoneel	Dey, A.
Exploitation of Valuable productst from isolated microorganism of industrial effluent for their treatment	Pal, Indrani	Dasgupta Mandal, D
Diversity and metabolic potential of indigenous bacteria in petroleum contaminated sludge from oil field: prospects for bioremediation	Pal, Siddhartha	Kazy, S. K.
Identification and characterization of interacting partner of CAM7/ZBF3 in Arabidopsis seedling development	Parvez, S.W.	Chattopadhyay, S and Mandal, NC

Topic	Investigator	Supervisor(s)
Studies on biodelignification to improve the paper quality & minimize the generation of Genotoxic effluents	Priyadarshini, Rashmi	Dasgupta Mandal, D
Studies on hazardous impact of pollutants on host and its biological remediation.	Ranjan, Jyoti	Dasgupta Mandal, D
Genetic engineering of rice for enhanced blast disease resistance	Raut, Ravindra	Roy Barman, S.
Engineering of cellulase enzymes of <i>Aspergillus fumigatus</i> NITDGPKA3 for enhancing their activity and development of recombinant cellulosic <i>Saccharomyces cerevisiae</i> for bioethanol production from rice straw.	Reddy, Subba Dodda	Mukhopadhyay, S.S. and Aikat, K.
Assessment of microbial communities and their bioremediation potentials in petroleum contaminated sludge from oil refineries	Roy, Ajoy	Kazy, S. K.
Exploration of <i>Curcuma amada</i> for Bioactive molecules and its Encapsulation for Therapeutic Applications	S Rohini	Dutta, D
Functional analysis of G-protein coupled receptor in <i>Magnaporthe oryzae</i>	Sabnam, Nazmiara	Roy Barman, S.
Secondary metabolism and pathogenesis in rice blast fungus	Saha, Pallbi	Roy Barman, S.
Biodegradation of organochlorine pesticides	Sahoo, Banishree	Chaudhuri, S.
Antimicrobials from natural sources	Saini, Swamini	Chaudhuri, S., Dutta, D. and Ghosh, S., Vyome Biosciences
Characterization and optimization of pigment production from an isolated strain	Samanta, Amit	Dutta D.and Chaudhuri S.
Studies on biodegradation of paranitriophenol by indigenous microbial consortium isolated from pesticide contaminated agricultural soil	Sarkar, Priyanka	Dey, A.
Mitochondrial role of FA protein FANCD2	Singh Kapur, Bishwajit	Mukhopadhyay, S.S.
Molecular and genetic interactions of ZBF1/MYC2 with Regulatory component of light signaling pathways in <i>Arabidopsis thaliana</i>	Srivastava, A.K	Chattopadhyay, S.
Anti-leishmanial effect of Statins and micronutrients, exploring mechanistic actions.	Verma, Amit Kumar	Ghosh, M
Fermentative production of Pectinase enzyme by <i>Aspergillus</i> spp	Verma, Heena	Dey, A. and Goswami, S.

Department of Chemical Engineering

Topic	Investigator	Supervisor(s)
Process development of nanocellulose biopolymer production from rice straw , its characterization, dispersibility, derivative design, and stability study	Amita Sharma	Mandal T
Some studies on the effect of thermal treatment on the physico-mechanical behaviour of fly ash based pozzolanic compacts	Anshuman Mondal	Mandal T
Microbial Production of Gluconic Acid	Banerjee S.	Pal P.
Studies on Upgrading of Water Quality in Coal mining areas of Meghalaya and Eastern Coal mines by Chemisorption and Bioremediation towards Mitigation of Unscientific Coal mining	Banerjee, S.	Halder, G.
Production Management through Optimization Strategy	Basu Sanghita	Pal P & Roy M
Studies on the production of Xylitol from Lignocellulose Biomass	Bhattacharya Anamica	Prof. A. K. Sadhukhan, Dr. P. K. Chatterjee
Study on acidic gas separation & utilization of Carbon dioxide into valuable products: A membrane integrated approach	Bhattacharya, Madhubanti	
Studies on Pyrolysis Of Waste Tyres and Fuel Recovery	Bhattacharyya B. B.	Prof. A. K. Sadhukhan, Dr. B B Ruj Prof. P. Gupta
Modelling and experimental investigations on pyrolysis and combustion of coal	Bhunias Shyamal	Prof. S. Haldar, Prof. A.K. Sadhukhan, Prof. P. Gupta
Abatement of Fluoride from Ground Water and Wastewater	Biswas Gargi	Dr. Susmita Dutta Dr. Kalyan Adhikari
Arsenic Transport through Vegetation	Chanda S.	Pal P & Saha R
Studies on the effect of chemical Environment on health of concrete structures at national installations	Chatterjee Abhijit	Prof. A. K. Sadhukhan, Dr. P. K. Chatterjee
Studies on textile wastewater treatment using Membrane-Integrated Systems	Dasgupta Jhilly	Dr. Jaya Sikder
Experimental study of mechanical and thermo-chemical properties of LDPE dispersed with starch at varied condition	Datta, D.	Halder, G.
Studies on Enzymatic Synthesis of Biodiesel from Microalgae Oil / Neem Oil using Fluidized Bed / Semifluidized Bed Bioreactors	De Tripti	Prof.C.M.Narayanan, Dr. Jaya Sikder
Experimental study of biodiesel generation from non-edible oil via heterogeneous catalysis	Dhawane, S.	Halder, G.
Comparative Hydrodynamics and Gas-Solid Heat Transfer between a Straight and Converging Vertical Dilute Phase Pneumatic Riser	Dhuranshar Rashmi	Sarkar J.P Das B
Studies on the rotating fluidized bed in static geometry chamber for intensifying drying performance	Dutta Subhajit	Prof. A. K. Sadhukhan, Dr. P. K. Chatterjee Prof. P. Gupta
Phycoremediation of Cyanide and carbon di oxide Sequestration using microalgae : An Integrated approach	Ganta Upendar	Dutta S. Ghanta K. C.

Topic	Investigator	Supervisor(s)
Effect of Waste Plastics on the Physical Structure and Subsequent Anaerobic Digestion of Vegetable Waste Landfill Bed.	Ghosh Anaya	Sarkar J.P Das B
Study on management of pharmaceutical industrial waste water by Advanced oxidation process	Kalyan Sarkar	Mandal T
Modeling and Experimental Investigation on Pyrolysis and Gasification of Biomass	Kamilla Biswajit	Prof. P. Gupta, Prof. A. K. Sadhukhan
Production of Bioethanol from sugarcane bagasse in a membrane-integrated hybrid reactor with the aid of humic acid as the pretreatment agent.	Maheswari, R Uma	Dr. Jaya Sikder
Studies and development of suitable treatment strategies to remove 2,4-Dichlorophenoxy acetic acid from contaminated wastewater of agricultural field	Majee Subhasish	Mandal T
Experimental study on the role of hybrid technique towards treatment of leather industrial waste water for reduction of toxic effects	Manish C. Kannaujiya	Mandal T
Isolation and characterization of Micro-organisms/ Micro-algae from North East region and Eastern Coal mines for Bio-Sequestration of CO ₂ and its Utilization towards Generation of Bio-fuel	Mondal, Madhumanti	
Isolation and Characterisation of Microorganisms/ Micro-algae from North eastern region and Eastern coal mines for biosequestration of Carbon dioxide and its utilization towards generation of biofuel	Mondal, M.	Halder, G.
Free radical grafting onto pretreated rice straw for enhancing flame retardancy and durability	Mukherjee, A	Halder, G.
Thermal Treatment of Plastic Wastes and Recovery of Value- Added Products	Mukherjee, Ankita	Prof. P. Gupta, Dr. B Ruj, Prof. A. K. Sadhukhan
Experimental investigation on fluoride removal using integrated technique	Mukherjee, S.	Halder, G.
Process intensification in production of Acetic acid	Nayak J.	P.Pal
Development of photo-catalyst for waste water treatment	Pal, Madhubonti	
Photo-Catalytic membrane for hospital waste water treatment	Pandey, Shailesh Kumar	
Studies on the production of ethanol from waste starchy biomass	Payel Mondal	Prof. A. K. Sadhukhan, Dr. Amit Ganguli Prof. P. Gupta
Modeling and Experimental Investigations on Gasification of coal	Prabhakar Ashok	Prof. A. K. Sadhukhan, Prof. P. Gupta
Novel Techno-economic Evaluation for Conversion & Re-refining of Used Lubricating Oils to Base Oil	Roy Sushanta Kumar	Das B. , T. Kumar, S. K. Das
Production of Bioethanol from Sugarcane Bagasse in a Membrane - Integrated Hybrid System	Saha Koel	Dr. Jaya Sikder

Topic	Investigator	Supervisor(s)
Study of the impact of physico-chemical and combustion characteristics of Coal on Power Plant Steam Generator Efficiency, in the context of Indian Power Industry	Sarkar, Ashok	Prof. A. K. Sadhukhan, Dr. P. K. Chatterjee Prof. P. Gupta
Phycoremediation of Heavy Metals from Wastewater Environmentally conscious manufacturing for Process Industries	Sen Sushovan	Dr. Susmita Dutta
Pyrolysis of Plastic Waste for Recovery of Fuel and Value Added Products	Sen Parag	P.Pal & M.Roy
Effective Treatment of Pharmaceutical Wastewater: New Membrane based Approaches	Singh Rohit	Prof. P. Gupta, Dr. B Ruj Prof. A. K. Sadhukhan
Simultaneous Physicochemical Separation, treatment and reuse of industrial wastes to save the natural resources.	Thakura Ritwik	P.Pal
	Uttarini Pathak	Mandal T Das Papita Kumar Tarekeswar

Department of Chemistry

Topic	Investigator	Supervisor(s)
Transition Metal Complexes containing imino phenoxy ligand: Synthesis, Characterization and Biological Studies	Banerjee Barsali	Saha T. K.
Modelling Biological Ni Sites with Supporting N, S Donor Ligands	Bhandari Anirban	Patra A. K.
Development of an Advanced Treatment Scheme for the Degradation of the Toxic Organics Associated with Pharmaceutical Wastewater	Chakraborty Sucharita	Saha R. N.
Stabilization of Various Oxidation States of Ni [Ni(I), Ni(II), Ni(III) and Ni(IV)] With Designed Multidentate Ligands : Synthesis of Ni Complexes Relevant To The Ni-site of Ni-Fe Hydrogenase Enzyme	Chatterjee Sudip	Patra A. K.
Electron donor acceptor interactions involving coal derived asphaltene in homogeneous and heterogeneous media: a spectroscopic study	Chaudhury Paromita	Panja S.S.
Design, structural characterization and catalytic activities of a few transition metal complexes with (N,N) & (N,O) donors sites	Chowdhury Biswajit	Maji M., Biswas B. (Rahunathpur College)
Lipid and fatty acid analysis of different freshwater fishes under different cooking condition	Das Bastab	Chakrabarty J.
Synthesis structural characterisation and materialistic aspects of some transition metal complexes with (N,N) & (N,O) donors ligands	Das Subrata	Maji M., Biswas B.(Rahunathpur College)
A MD Simulation study on the human Monoamine Oxidase structures and its complexes	Dasgupta Subrata	Mukhopadhyay B.P.
Synthesis Characterization and Biocatalytic Activity of Some Transition Metal Complexes with Different polydentate chelators	De Abhranil	Maji M., Biswas B.(Rahunathpur College)

Topic	Investigator	Supervisor(s)
Synthesis Characterization and Biocatalytic Activity of Some Transition Metal Complexes with Different Chelating Ligands	Dey Dhananjay	Maji M., Biswas B.(Rahunathpur College)
Treatment of wastewater generating from Textile industry by nano materials (nZVI), nano-Fenton's and UV radiation	Dutta Suvanka	Saha R. N.
Synthesis & catalytic aspects of a few transition metal complexes towards different organic transformations	Garai Mamoni	Maji M., Biswas B.(Rahunathpur College)
Ground Water Remediation by Nanoscale Zero Valent Iron	Ghosh Ananya	Saha R. N.
Assessment of chemical and physico-chemical properties of micro and macro algal lipids for biodiesel production	Guha Thakurta Sohini	Chakrabarty J.
Isolation, Purification and Structural Characterization of Polysaccharides from Some Indian Fruits	Hazra Surajit	Adhikari U.
Copper Complexes and Their Reactivity Studies Relevant to Biological Copper Sites	Maji Ram Chandra	Patra, A.K.
A MD Simulation study on the human IMPDH structures and its complexes	Mishra Deepak K	Mukhopadhyay B.P.
Aspects of substitution reaction on Pt(II) and Pd(II) metal ion system by important biomolecules in aqueous medium: their kinetics, mechanism, bioactivity and speciation study	Mitra Ishani	Moi S. C.
Carbon carbon bond formation via Redox Reactions: Green chemistry exercise and role of nano architecture	Mondal Bibhas	Adhikari U.
Removal of Arsenic by modified Adsorbent	Mondal Prasanta	Saha R. N., Ruj B.(CMERI Durgapur) and Debbarma S.R.(CMERI Durgapur)
Effect of exogenous phospholipids on sperm plasma membrane structure and function in relation with cryopreservation	Mondal Rajesh	Chakrabarty J. Maji M.
Metal Complexes of Schiff Base Ligand Having Different Functionalities: Synthesis, Characterization and Biological Studies	Mondal Shyam Sundar	Saha T. K.
Synthesis of Fe, Co oxide/carbonate using urea as neutralizing agent and evaluation of their electrochemical sensing properties	Mukherjee Priyanka	Adhikari U.
Investigation on the extracts of Tradescantia pallida, Swertia chirata, Butea monosperma and Amaranthus gigasticus as green corrosion inhibitors for mild steel in hydrochloric acid medium.	Mukhopadhyay Shipra	Adhikari U.
Study of some biopolymers as corrosion inhibitor of mild steel in acid medium	Pal Aparesh	Sukul D.
Treatment of wastewater generating from Chlor-alkali industry by advanced Oxidation Process	Pobi Krishnendu Kr.	Saha R. N.

Topic	Investigator	Supervisor(s)
Isolation, Purification and Chemical Investigation of Polysaccharides from <i>Citrullus lanatus</i> and <i>Syzygium samarangense</i>	Roy Sumita	Adhikari U. Sukul D.
Bio-molecular interaction on palladium and platinum (II) complexes in aqueous medium by sulphur containing ligands: their kinetics and mechanism	Samanta Avradeep	Moi S. C.
Development and study of Pyrene-based fluorescent sensors along with their applications	Sarkar Soma	Panja S.S. and Saha R. N.
Structure and Interaction Studies of some Nucleotide Molecules with the different Ligands by X - ray Crystallographic Methods	Sengupta Dhruva Kumar	Mukhopadhyay B. P. Das S. B.
Development of New Molecular Device for Sensing Physiologically Important Metal Ions	Sikdar Anindita	Panja S.S.
Recycling of cooking oil & its evaluation as biodiesel and culinary media	Singh Sunita	Chakrabarty J.
Synthesis of Low-Dimensional Transition Metal Oxides and the Study of Their Catalytic Activities for the Detoxification of Environmental Contaminants	Thakur Indrani	Saha R. N. and Chatterjee S.

Department of Civil Engineering

Topic	Investigator	Supervisor(s)
Investigation on characteristic strength and behaviour of concrete confined with UPVC tube.	Bandyopadhyay Atrayee	Samanta A.K., Singha Roy D.K.
Numerical Modelling of highway pavements under dynamic conditions	Banerjee, Arijit	Topdar P., Datta, A.K.
Effect of Building durability on seismic vulnerability assessment	Chanu N.M.	Nanda, R.P.
Geo-Information System based assessment of Flood Induced Crop Damages for Crop Insurance Industries - A Case Study of Cuttack District, Odisha, India	Chhabra, Ajeet	Dwivedi, V.K.
Performance Study of Asymmetric Structures under Static & Dynamic Loads	Das Debiprasad	Das, D., Topdar, P.
Runoff prediction in Lower Gangetic Basin amid climate change variation	Dey Kush Kumar	Dwivedi, V.K.
A Study of Progressive Collapse of Steel Frames due to Explosion and Post Explosion Fire	Galal Mohamed Ahmed	Banik, A.K.
Experimental analysis for plan form development and erosion around an island in a natural stream	Ghosh Snigdhadip	Dwivedi, V.K.
Retrofitting of Brick panels by Geosynthetic	Khan H.A.	Nanda, R.P., Das, D.
Characterization and development of eco-friendly concrete using Industrial Waste.	Kumar Rajesh	Samanta A.K., Singha Roy D.K.
Modelling of reservoir sedimentation using remote sensed technique	Kumar Ritesh	Dwivedi, V.K.
Reliability Based Design of Geotechnical Structures under Static and Dynamic Conditions	Mazumdar Ratul	Banik, A.K., Das, D., Pal, S.

Topic	Investigator	Supervisor(s)
Experimental Investigation on the Strength and Behaviour of Plate Reinforced Concrete Beam	Mondal Prakash	Singha Roy D.K., Samanta A.K.
Effect of high speed train induced vibration on adjacent structures	Mukherjee, R	Datta, A.K., Topdar P.
Biological treatment of effluents from bulk drug industries	Mukhopadhyay, Miriganka Sekhar	Dwivedi, V.K., Bhattacharya, S., Mukhopadhyay, S.S.
Hybrid Control of Bridges subjected to seismic ground motions	Neethu B.	Das, D.
Coupled Nonlinear Analysis of Floating Offshore Structures	Roy Shovan	Banik, A.K.
Modelling for avulsion of river Kosi System lying in India and Nepal	Saha Dripta	Dwivedi, V.K.
Thermo-mechanical effects on sustainable concrete containing industrial waste	Sahani Ashok Kr.	Samanta, A.K., Singha Roy, D.K
Structural Investigation using, Acoustic emission technique	Sengupta, S.	Datta, A.K., Topdar P.
Effect of landuse /landcover dynamics on the spatio-temporal changes of urban heat islands and its effect on the environment	Yadav Naval Kishor	Samanta A.K., Santra A. (HIT, Haldia)

Department of Computer Science and Engineering

Topic	Investigator	Supervisor(s)
A framework for measuring the semantic relatedness between concepts	Adhikari, Abhijit	Dutta, A., Dutta, B.
Automated computer aided diagnosis for screening of lungs diseases	Agarwala, Sunita	Nandi, D
Design of an Architectural Framework for Dynamic Web Services	Ahmad, F.	Sarkar, A.
Quantifying Driver's Performance in Developing Regions Through Smartphone Sensors	Alam, M.Y.	Nandi, S., Saha, S.
EHD Inkjet Printing System	Ball, Amit Kumar	Kisku, D.R., Murmu, N.C. (CMERI), Roy, S.S.
Cloud Computing: A Mechanism Design Perspective.	Bandyopadhyay, A.	Mukhopadhyay, S.
Design and Analysis of Contextaware Middlewarefor Service Oriented Computing over IoT	Banerji, Nandan	Choudhury, S.
Inclusion of Embedded Influence Networks for Attaining Egalitarian Stability in Socio Economic Evolutionary Games	Banerjee, Pradipta	Choudhury, S.
Natural language Information Interpretation and Representation System	Banerjee, P.S.	Chakraborty, B.
Placement and Floorplanning in VLSI Circuits	Banerjee, S	Roy, S.
A Study on Design Specification for Component Based Software System	Banerjee, P.	Sarkar, A.
Ontology Driven Domain Specific Software Design	Banerjee, S.	Sarkar, A.

Topic	Investigator	Supervisor(s)
Dynamic Auction in E-Commerce	Banerjee, T.	Choudhury, P.
FPGA Interconnect resources testing	Banik, S.	Roy, S.
Pattern approach for different lungs airways diseases using CT/HRCT images	Banik, Samiran	Nandi, D
Studies on Multicast Routing and Wavelength Assignment in WDM Optical Networks	Barat, Subhendu	De, T.
A Hierarchical Set of Super Classifier for Fast Individual Facial Expression Identification	Bhakta, Dhananjay	Sarker, G
Optimization in Image Processing	Chakraborty, Falguni	Nandi, D
Machine learning approach for CT image analysis in cancer detection	Chakraborty, Tiyasa	Nandi, D
Low Power techniques in high level Synthesis of VLSI Circuits	Chandrakar, K.	Roy, S.
Novel algorithms for multi-agent coalition formation	Changder, Narayan	Dutta, A., Akinine, S.
Modeling of Multi Agent System Dynamics	Chatterjee, R.	Sarkar, A.
MultiAgent based Scalable and Contextaware, Middleware for Typical IoT Scenario.	Choudhury, Bikash	Choudhury, S.
CAD system design for glaucoma detection	Chowdhury, Arindam	Nandi, D
Novel Techniques and Analysis for Tourism and Spectrum Trading.	Chowdhury, A.B.	Mukhopadhyay, S.
Multi-agent based algorithmic approach for railway scheduling, coalition handling and optimization.	Dalapati, Poulami	Dutta, A., Bhattacharya, S.
Implementation and Synthesis of Efficient, Computing Reversible Arithmetic and Logical Circuits to design a reversible ALU	Das, Biswajit	Chandran, S.
Distributed area coverage by swarm of mobile robots	Das, Dipanwita	Nandi, D., (NIT Durgapur), Mukhopadhyay, S. (BIT, Kolkata)
A Study on Some Routing, Energy and Security Issues Concerning The Delay Tolerant Network	Das, Priyanka	De, T.
Multicast Traffic Grooming Routing and Spectrum Assignment in Elastic Optical Network	Datta Choudhury, Panchali	De, T.
Knowledge Management Systems for Fault detection and diagnosis	De, Sumana	Chakraborty, B.
Network Traffic Analysis and Modelling	Debroy, Subhasish	Chakraborty, B., Bhattacharjee A.K., Hussain, K.M. (BCREC)
Pattern Matching	Dev, Deep Suman	Kisku, D.R.
Some Optimization Technique Problems On Fuzzy Graph	Dey, Arindam	Pal, T., Pal, A.
A Cross Domain Group Recommender for Conference Research Articles and Books	Dey, A.K.	Choudhury, P.
On Some Network Optimization Problems through Evolutionary Algorithms	Dutta, Joydeep	De, T. Kar, S. (Mathematics, NIT DGP)
Energy Aware Delay Tolerant Network Framework Design	Dutta, K.N.	Saha, S.

Topic	Investigator	Supervisor(s)
Cohort Selection for Biometrics Authentication	Garain, Jogendra	Kisku, D.R., Sanyal, G.
Transaction Management Framework for Semi Structured Database System	Ganguly, R.	Sarkar, A.
Super-resolution of Ultrasound image	Ghosh, D.	Nandi, D.
Brain MR/CT Image Segmentation and Early Detection of Neurodegenerative Diseases Using Machine Learning Techniques	Ghosal, Palash	Nandi, D
Design and analysis of cost efficient QCA logic Circuit with enhanced reconfigurability	Goswami, Mrinal	Sen, B.
Challenges in Developing Networking Services for Post-Disaster Rescue-Relief Scenarios	Hazra, K.	Nandi, S., Saha, S.
Cache Coherence Protocols for CMPs	Hazra, Suvadip	Dalui, M.
Automated Road Extraction from High Resolution Satellite Images	Hermese, Jose	Chandran, S.
Offline Recognition of Malayalam Handwritten Text	James, Ajay	Chandran, S.
A Novel Secured Routing Protocol for MANET	Joardar, S.	Choudhury, P.
Some Soft Computing Methods For Decision Making Problems In Uncertain Paradigm.	Kar, Mahyua B.	Pal, T., Maiti, M.
Analysis and Specification of an Inter-Cloud Architecture: An Abstraction Model	Khan, G.	Sarkar, A. Sengupta, S. (BPPIMT, Kolkata)
Travelling Salesman Problems in Different Environments Using Hybrid Heuristic Algorithms	Khanra, Aditi	Pal, T., Maiti, M.K., Maiti, M.
Information retrieval from biomedical images for early detection of neuro diseases	Kumar, Amish	Nandi, D
On fault-tolerant design of logic circuits in QCA	Kumar, Dharmendra	Mitra, D.
Face Recognition	Kumar, Dipak	Kisku, D.R.
Attention Identification	Kumar, Ravi Kant	Kisku, D.R., Sanyal, G.
Face Recognition	Kumar, Dipak	Kisku, D.R.
Dynamic rescheduling and coordination in Multi-agent systems.	Kundu, Krishnendu	Dutta, A.
RST Generation for Routing in VLSI	Kundu, S.	Roy, S.
A Set of Super Classifier Combination for Efficient Biometric Identification	Kundu, Sumana	Sarker, G
Manipuri Offline Signature Verification	Longjam, Teressa	Kisku, D.R.
Dynamic Traffic Grooming using Lightpath and Light-trail concepts in Elastic Optical Networks	Majumder, Prasanta	De, T.
Some Network Optimization Model Under Diverse Uncertain Environments.	Majumder, Saibal	Pal, T., Kar, S.
Functional Specification of Software as a Service for Data Centric Cloud Applications	Mandal, A.K.	Sarkar, A.
Bengali Parser capable of handling domain specific natural language queries in	Mandal, Kailash P.	Chakraborty, B.
Applications of Wireless Sensor Networks	Mandal, Santanu	De, T.

Topic	Investigator	Supervisor(s)
The Impact of Rational and Adversarial Player in the Secure Multiparty Computation and the Counteracts	Mardi, Dhaneshwar	Mukhopadhyay, S.
PUF based Hardware Security	Mahalat Hasan Mahabub	Sen, B.
Different Text Steganography Algorithms for Secured Information Hiding	Majumder, Anandapova	Changder, S.
Efficient Clocking structure for QCA Logic Circuit	Mondal, Anindan	Sen, B., Roy, S.
Query Response Frameworks to handle domain specific queries in natural language	Mondal, Dipa	Chakraborty, B.
Microwaves in biomedical applications	Mondal, Moutusi	Nandi, D
Decentralised Transmission Scheduling Schemes for Directional Ad hoc Networks	Mondal, Partha Pratim	Choudhury, S.
Design of Effective Data Mining Techniques for Various Sources of Situational Data in Disaster Response Scenarios	Mondal, T.	Saha, S., Bhattacharya, I. (KGEC)
NLP based Knowledge Management Systems	Mukherjee, Prasenjit	Chakraborty, B.
Development and analysis of Steganographic techniques with non-linear extensions	Mukherjee, Srilekha	Sanyal, G.
Video Text Analysis	Mukhopadhyay, Amit	Chakraborty, B. (NIT Durgapur), Nandi, D., (NIT Durgapur), Pal, U. (ISI Kolkata)
Design of low cost, single camera-based stereo vision system	Murmu, Narayan	Nandi, D.
Efficient Communication between Optical and Wireless Hybrid Networks	Naik, Deepa	De, T.
Identifying Influential Spreaders : A Graph Analytics Approach	Namtirtha, Amrita	Dutta, A., Dutta, B.
Design of Personalized Recommendation System for Ubiquitous Learning	Pal, S.	Choudhury, P.
Crowd Computing	Pramanik, P.K.D.	Choudhury, P.
Challenges in Developing Networking Services for Post-Disaster Rescue-Relief Scenarios	Paul, P.S.	Nandi, S., Saha, S.
Analysis and Modeling of Colour Image Compression for Multimedia Applications	Poolakkachalil, Thafseela Koya	Saravanan, C.
Dynamics of Citation Networks	Pradhan, D.K.	Nandi, S., Choudhury, P., Chakraborty, T.
Solution of Economic Load Dispatch and Hydro-thermal Scheduling using Soft Computing Techniques	Pradhan, Moumita	Pal, T., Roy, P.
Studies on Interference and Energy Aware routing in Wireless Body Area Networks	Pradhan, Prajna Paramita	Bhattacharjee, S
Some Studies on Data Communication and Applications in VANETs	Pradhan, Rangaballav	De, T.
Face Identification	Rakshit, Rinku Datta	Kisku, D.R.

Topic	Investigator	Supervisor(s)
Ensemble Face Recognition in Degraded Environment	Rana, Srinibas	Kisku, D.R.
Analysis of Microblogging Networks	Roy, M.	Choudhury, P.
Computational Geometry	Sadhu, S.	Roy, S. (Dept. of CSE, NIT Durgapur), Nandy, S.C. (ISI Kolkata), Roy, S. (ISI Kolkata)
Data Mining and Big Data	Saha, Sanjib	Nandi, D
Towards Design and Implementation of Image Denoising Techniques	Sarkar, Aparna	Changder, S.
A Graph Data Model in Semantic Web Environment	Sen, Sangeeta	Dutta, A., Dutta, B.
IoT based Indoor Environment Data Modeling and Prediction	Sharma, Praveen	Saha, S., De, T.
Multiagent System Based DCOP design in Wireless Ad hoc Networks.	Sinha, Pratik	Choudhry, S.
Community Analysis in Large Scale Networks	Singh, D.K.	Choudhury, P.
Novel Approach for DDoS Attack Detection and Mitigation in the Server Application	Singh, Khundrakpam Johnson	De, T.
Multiagent System Based DCOP design in Wireless Ad hoc Networks.	Sinha, Pratik	Choudhury, S.
A Novel Cross Platform Context Aware Recommender System for Online Commercial Stores	Singh, P.K.	Choudhury, P.
On the Study of Crowdsourcing, Participatory Sensing and its Applications to Healthcare.	Singh, V.K.	Mukhopadhyay, S.
Studies and analysis of Brain MR Images and classification for detection of some Neurodegenerative Diseases	Srinivasan. A.	Sanyal, G., Bhattacharjee P.
Agent Based Simulation of Complex Social System and its Application in Policy Formulation	Sushma	Choudhury, S.
Building a pluggable sharing subsystem for MySQL	Venkateswaran, Narayanan	Changder, S.
Analysis and Modelling of Palmprint Verification System	Verma, Satya Bhushan	Chandran, S.

Department of Electrical Engineering

Topic	Investigator	Supervisor(s)
Ageing Analysis of Mineral Insulating Oils of Nanofluids	Arun Ram Prasath, R.T.	Roy N K, Mahato S N
IoT enabled High Voltage Test system	Jasper D	Roy N K
UHF Sensor based PD Localization System in for HV Power Apparatus	Misra D K	Roy N K, Koley C
Development of new Method of Harmonic Current Extraction for Shunt Active Power Filters'	Ghosh M	Prof N K Roy, Koley C
Navigation of Mobile Robot using Artificial Intelligence	P. K. Panigrahi	Ghosh S. & Parhi D. R.
Some aspects on dynamics and control of dc-dc switch mode power converters (Defence Seminar held on 09.05.17)	Ghosh Arnab	Banerjee S
Load Frequency Control of Linear and Non-linear based Multi-area Power Systems using Various Evolutionary Algorithms (Defence Seminar will be held on June, 2017)	Guha Dipayan	Banerjee S
Some Studies on Control and Modulation Strategies of Multilevel Converters Applicable for Drives and Photovoltaic's Applications	Giri Santu Kumar	Banerjee S C Chakraborty
Chaos and Periodicity in Solar Wind Speed	Sarkar Tushnik	Banerjee S Khondekar H M
Enhancement of available transfer capability incorporating FACTS devices for large scale power systems by using meta-heuristic algorithms.	Mazumder Kingshuk	Banerjee S Roy P
Robust Control of MIMO systems	Pandey Sumit	Dey J Banerjee S
Some Aspects on Control and Modulation Strategies for Multilevel Converters Suitable for Medium-to-low Power Applications.	Mukherjee Sarbani	Banerjee S
Design, Fabrication & testing of some advanced dc-dc switch mode power converters.	Rana Kumar Niroj	Banerjee S
Design & Implementation of Modified Selective Harmonic Elimination (SHE) & Selective Harmonic Minimization (SHM) PWM Techniques for improving Performance of Multilevel Inverters	Kundu Sourabh	Banerjee S
PID Controller Tuning of Load Frequency Control using Soft Computing Technique	Pain Santigopal	Acharjee P.
Optimal placement and sizing of facts devices and distributed generation in power system	Roy Ghatak Sriparna	Acharjee P.
PMU Placement using soft-computing techniques, post-mortem analysis and state estimation with PMU data	Maji Tapas Kumar	Acharjee P.
Detection of Partial Discharge in High Voltage power apparatus using optical fibre based sensor.	Sarkar Badal	Koley C., Roy N. K, Kumbhakar P.
An automated machine vision based system for grading of fruits according to quality and maturity.	Nandi Chandra Sekhar	Tudu B., Koley C.
Model Based Control Framework for Pneumatic Conveying and Drying Process.	Satpati Biplab	Koley C, Dutta S.

Topic	Investigator	Supervisor(s)
Some studies on accuracy enhancement of different electrical and electronic measurement and instrumentation systems	Chatterjee Karunamoy	Mahato S. N. Chattopadhyay S.
Design optimization of Electrical Machines	Das Pratyush Prasanna	Mahato S. N.
Investigation on condition assessment of insulating oils using high k dielectric nanofluids for power transformer application	Arun Ram Prasath R T	Mahato S. N. Roy N. K.
Analysis and Control of Isolated Induction Generators	Ray Sambaran	Mahato S. N. Roy N. K.
Some Studies on Analysis and Control of Stand-Alone Induction Generator	Samajpati Dipanjan	Mahato S. N.
CTLI based Stand Alone and Grid Connected PV Systems ³	Kumar Nayan	Saha T. K. Dey J.
Advanced Control and Development of Observer for Induction Machine Drives	Swargiary Manoj	Dey J. Saha T. K..
Control of Distributed Generation Systems	Mishra Rupa	Saha T. K.
Control of Stand Alone Drives from PV Systems	Ghosh Sourav	Saha T. K.
Performance Analysis of stand alone synchronous generator	Thotakura NSC Sekhar	Saha T. K.
Modelling of PMU for Measurement and Islanding Detection in Smart Grid	Kumar D	Bhowmik P. S.
Design of Full Mode, Half Mode and Corrugated Substrate Integrated Waveguide Bandpass Filters in Microwave Bands	Moitra S	BHOWMIK P. S.
Development and Design of Fractional Order Compensator	Mondal Reetam	Dey J., Halder S.
Investigation on the modulations of autonomic nervous System based on metabolic syndrome risk factors	Das Ashis Kumar	Halder S.
Analysis of Heart Rate Variability based on Non-invasive Physiological variables	Mukherjee Mithu	Halder S.

Department of Electronics and Communication Engineering

Topic	Investigator	Supervisor(s)
Application of Defective Ground Structures on Designing Microstrip Patch Antennas	Acharjee J.	Mandal S. K., Mandal K. (IRPE, CU)
Studies on Multiband operations of Microstrip Antennas	Aritra bhowmik.	Bhattacharjee A.K.
Various effects of substrates in the design of Microstrip Antennas and their applications	Bappaditya roy	Bhattacharjee A.K.Chowdhury S.K.
Synthesis of Hybrid Antenna Arrays using Evolutionary Optimization Techniques	Bera R.	Mandal D Kar R Ghoshal S. P
Cognitive Radio Networks with Efficient Spectrum Sensing and Sand energy harvesting (Thesis submitted in Dec2015)	Bhowmick A.	Dhar Roy, S Kundu, S
Enhancing energy efficiency of 802.15.4 networks using relays	Biswas S.	Chandra, A., Dhar Roy S.D.
Study of mutual coupling and scan blindness in antenna arrays	Biswas S.	Mandal , D Ghosh, C. Kr.
Novel Techniques in Output Pattern Optimization of Microwave Antennas & Filters	Chakravorty P	Mandal ,D
Antenna Array Optimization Considering the Mutual Coupling Effect Using Evolutionary Optimization Techniques	Das A.	Mandal ,D Kar , R
Study on Performance Improvement of Antenna Array Architectures using Evolutionary Optimization Algorithms	Das S.	Mandal ,D Kar , R Ghoshal S. P
Beam Synthesis of Concentric Ring Array and Hexagonal Array Geometries using Evolutionary Algorithms	Debasis mandal	Bhattacharjee A.K.
Relay node placement for maximizing energy efficiency in wireless networks	Ghosh B.	Chandra A., Mal A.K.
Studies on Planar Ultrawideband and Superwideband Antennas for Emerging Wireless Systems Applicability	Gorai A.	Ghatak ,R and Pal, Manimala (NSHM Knowledge Campus Durgapur)
Multiband Microstrip Antennas	Goswami S.	Mandal, S. K.Mandal, K. (IRPE, CU)
Studies on Design and Performance of Planar Ultra wideband Band pass Filters	Kumari P.	Ghatak R., Pal M.(NSHM, DGP)
VLSI Circuit Design	Maji K. B.	Kar , R Ghoshal S. P
Uncoordinated cooperative communication schemes with security enhanced energy efficient relays.	Maji P.	Dhar Roy, S Kundu, S.
Resistive memory devices	Maji S.	Mahapatra, R
Energy Harvesting in Cooperative Cognitive radio networks	Mandal S.	Dhar Roy, S Kundu S.
Device to Device Communication in Cellular cognitive Networks	Mitra D.	Dhar Roy, S Kundu ,S.
Antenna Array Optimization using Evolutionary Algorithms	Mukherjee A.	Mandal, S.K.Ghatak, R.

Topic	Investigator	Supervisor(s)
Graphene based materials for sensing application	Pal H.	Mahapatra, R Chatterjee ,S
Efficient Non-linear system identification schemes using evolutionary optimization techniques	Pal P. S.	Kar , R Mandal ,D Ghoshal S. P
Power Pattern Synthesis of Antenna Arrays through Time-Modulation	Patra S.	Mandal S. K.,Mahanti G. K.,Pathak N. N., (B. C. Roy Engg. College)
A Statistical Signal Processing Approach To Investigate The Dynamics Of Indian Weather	Rajdeep ray	Bhattacharjee A.K.
Various effects of substrates in the design of Microstrip Antennas and their Applications	Roy B.	Bhattacharjee.A.K Chowdhury.S.K (JU Kolkata)
Analytical modelling of advanced MOSFET devices	Sahoo J.	Mahapatra R
Adiabatic logic circuits	Samanta S.	Mahapatra R Mal A K
Design of Micro-chip for osteoblast cell characterization	Sarkar S.	Mahapatra R Ghose M
Physical layer security in Cognitive radio networks with energy harvesting	Sharma S.	Kundu S
Microstrip Antennas for Bio-Telemetry Application	Singh H.	Mandal, S. K.Mandal, K. (IRPE, CU)
Gas Sensors	Sinha M.	Mahapatra R & Ghose R
Optimal Digital IIR Filter Design using Evolutionary Optimization Techniques	Upadhyay P.	Kar , R Mandal ,D Ghoshal S. P
Efficient Spectrum Utilization for Cognitive Radio Network (CRN) with Distributed Detection in Spectrum Sensing	Yadav K.	Dhar Roy, S.,Kundu S.

Department of Earth and Environmental Study

Topic	Investigator	Supervisor(s)
GIS based land resource evaluation and management for agricultural sustainability in an affected area of coal-fired thermal power plant.	Adak Subhas	K. Adhikari K. Brahmachari
Impact of chemical pesticides and fertilizers on the environment as a whole – A case study	Adhikary Mayukh	A. Gangopadhyay K. Bramhachari
Groundwater occurrence and quality assessment in north-western and north-eastern part of Bankura district, West Bengal	Bajpayee Swastika	K. Adhikari P.K. Chatterjee B. Ruj
Reappraisal of the depositional setting of Upper Barakar coal bearing strata from Raniganj Basin, India- a sedimentological, ichnological and coal petrographic approach	Banerjee Sudipto	K. Adhikari S. Bandyopadhyay
A comprehensive study on Environmental Management System (EMS) as practiced in selected industries in West Bengal, India and its impact on society	Ghosh Bipasha Mridha	A. Gangopadhyay
Detection of subtle and obscure structures in Bengal basin, India using integrated remote sensing studies with special reference to Hydrocarbon exploration in the Basin	Mazumder Subhobrata	K. Adhikari S. Mahapatra D. S. Mitra

Topic	Investigator	Supervisor(s)
Development of filter media and system for high temperature applications	Nayak Sisir Kumar	K. Adhikari S. Datta
Removal of fluoride from aqueous solution using modified low cost materials.	Rakesh Kumar	S. Mondal
The Tectonics of Eastern Segment of Delhi Fold Belt, Southeast of Beawar, Rajasthan.	Saha Pinaki	A. Gangopadhyay D. Mukhopadhyay
Analysis of potential impacts of open cast coal mine on hydrogeological dynamics in Barjora Area, West Bengal, India.	Ujjal Mal	K. Adhikari

Department of Humanities and Social Sciences

Topic	Investigator	Supervisor(s)
Business Regulation in Respect of Consumer welfare-Consumer Protection in India, related to Marketing	Agasti, S.	Sengupta, P. P
Mythological Study of Select Indian English Fiction	Banerjee, Sanjukta.	Rai, S.K.
Roberto Classo's Ka: A Critical Study	Bhattacharyya, Saurav	Rai, S.K.
Whose Power is Perpetuated at the Expense of Whom: An Exploration into the Linguistic Function of Bangla Proverbs in Depicting Gender Differences	Bhunja Chakraborty, Aditi	Modak, A.
Exploration of Parsi culture, Rituals, Rites and their Nostalgia: A Study of Deena Mehta, Perin Barucha, Boman Desai and Farrukh Dhondy	Biswas Ujjwal	Banerjee, J.
A study of Social ,Economic and health condition of Assamese migrant labourers in Kerala	Dutta, U. P.	Sengupta, P. P
Image of Women in Select Plays of Mahesh Dattani and Poile Sengupta: A Critical Study	Howlader, Asoke	Modak, A.
Thematic Study of Contemporary Indian English Poets	Karmakar, Gautam	Rai, S.K.
Attitude towards Assisted Reproductive Technology	Lal, S.	Sengupta, P. P
DISCERNING THE FAMILIAR - An insight into the women's condition during the Taliban Regime	Mukherjee Marjana	Banerjee, J.
Knowledge Management and human capital formation: A case of NIT's	Mukherjee, U.	Sengupta, P. P
Post humanism and Trans humanism in the 21st Century Dystopian Novels	Patra, Indrajit	Rai, S.K.
Rainbow Rising: Novels From North-East India.	Paul, A. S.	Rai, S.K.
Survival as Triumph in Paul Auster's Novels	Pramanik, Avijit	Modak, A.
The Fictions of Amit Chaudhuri: Creation of a Tradition	Roy Arnab	Banerjee, J.
The Theater of Protest: A Critical and Comparative Study of the Selected Plays of Vijay Tendulkar and Utpal Dutt	Roy, Oliva	Banerjee, J.

Topic	Investigator	Supervisor(s)
Voices of the Margin:A feministic reading of the diasporic demarcation and minority discourse in the works of Chitra Banerjee Divakaruni	Sengupta, Debalina	Banerjee, J.
A Postcolonial Study of the Poetry of Derek Walcott	Sengupta, Tuhin	Rai, S.K.
Foreign Direct Investment, International Trade and Economic Growth	Sinha, Madhabendra	Sengupta, P. P.
Trend of FDI	Veena, T.	Sengupta, P. P

Department of Management Studies

Topic	Investigator	Supervisor(s)
1. A study of evolution, growth and decline of small brands of apparels in India	Arora Naveen	Banerjee Neelotpaul
2. A Quest for Relationship among CSR, Marketing Activities and Business Performance: A Cross Industry Comparison on Indian Firm	Banerjee Sujata	Mondal K.
3. A Study on Predictability of Stock Returns and Behavioral Biases	Banerjee, A.,	De, A., & Bandyopadhyay, G.,
4. An Empirical Investigation of Credit Rating of Initial Public offerings of Private Sector Undertakings In INDIA	Banerjee, S.,	Bandyopadhyay, G.,
5. Economic Sustainability and Strategic Management of Cultural Capital: An Exploratory Study with Special Reference to West Bengal	Basu, A.	De, A.
6. Production Management through Optimisation strategy	Basu, S.	Roy M., Pal, P.
7. Role of Product Information on Purchase of Durables A Competitive system on low literacy Urban language in the State of West Bengal	Bhattacharjee, M.,	Bandyopadhyay, G.,
8. The Market Impact of Corporate News Release: Indian evidence	Bhattacharjee, N.	De, A.
9. Financial Analysis and Planning in Indian Urban Local Self Governments: A Theoretical and Empirical Study	Bhattacharyya, S. R.	De, A.
10. An Investigation into the applications of Big Data Analysis in Supply Chain management	Biswas, S.,	Bandyopadhyay, G.,
11. A Study on Workplace Adaptability: An Indian Perspective	Bose Sujata.	Pal D.
12. Sustainable Development in Educational Institutions	Chakraborty A.	Roy, M.
13. Investigating and Forecasting the financial Performance and Operational Efficiency of Indian Paint and allied Industry	Chakraborty, S.,	Bandyopadhyay, G.,

Topic	Investigator	Supervisor(s)
14	A study on effective management of national economic planning using soft computing based techniques	Chandra, M. M., Bandyopadhyay, G., & Banerjee, N.,
15	In Search of nature of Relationship Between Internal Marketing and Financial Performance of the Company: A Study of Hotels, Hospitals and Banks operating in Kolkata	Chattopadhyay Rituparna
16	A quest for relationship among socio demographic variables and various facets of sales promotion	Chel Saswati
17	Understanding Various Facets of Purchase Involvement; A Study of Burdwan , WB	Dasgupta (Banerjee) Monami (Submitted)
18	Information and communication Technology and E-business support for Indian MSMEs, Thesis submitted 29.6.2017	Gayen A
19	Attitude of Indian young generation towards online marketing (PhD Thesis SUBMITTED)	Ghosh Debasis
20	Frauds in Public Sector Banks of India: A Study to Find out the Factors and Impact	Ghosh, S.K.
21	Forecasting of Scenario of Indian Financial Market using Operations Research Techniques	Guha, B.,
22	Determinants of the Pharmaceutical Education Service Quality: An Empirical Quest based on Eastern India	Gupta Hemant
23	Estimation of systemic risk and identification of systemically important firms in India	Karmakar, S.,
24	Relationship between Banking Insurance and Economic growth in India	Kaushal Shrutikeerti
25	Role of Mental Accounting in Influencing Investing and Consumption Decision of Indian Investors: A Study of Behavioural Finance	Mahapatra, M. S.
26	An Empirical Quest for Various Aspects of Brand Switching	Maji, S.,
27	Determinants of Property Liability Insurance market in post-reform era and its relationship with economic growth in India	Mukherjee Abhijit
28	An empirical study on the impact of social media to facilitate the effectiveness of marketing	Mukherjee, Kaustav
29	Prediction of Nifty 50 for Retail Traders/Investors with Special Emphasis on Technical Analysis	Pinaki Paul
30	A study on various aspects of consumer behavior in context to different products and services –A comparison between consumers in India and USA	SamantaJyotirmoy

Topic	Investigator	Supervisor(s)
31 Exploring Employee Green Behaviour- An Empirical Study on Organizations based in West Bengal	Sanyal Ujjal.	Pal.D
32 Environmentally Conscious Manufacturing Programs for Process Industry: A green Marketing Approach, Thesis submitted 29.6.2017	Sen P	Roy M., Pal, P.
33 Sustainable Management Strategies for small scale industries	Singh M.P.	Roy, M
34 An empirical analysis on various facets of celebrity endorsements in Indian context	Singh, Ramendra Pratap	BanerjeeNeelotpaul
35 Assessing the influence of Organisational Culture on employees commitment in five homogenous and ten selective heterogeneous industries in India	Sinha, A. K.,	Sengupta, P. P., & Bandyopadhyay, G.,

Department of Mathematics

Topic	Investigator	Supervisor(s)
Newsvendor Problems in uncertain environments	Adhikary, K.	Kar, S.
The Design of Sustainable Green Supply Chain in Managing Electronic Waste	Bandopadhyay Anil	Pal, A., Das, P. K.
Dynamical Risk Analysis in Complex Environmental Matrices	Bandyopadhyay, A.	Kar, S.
Nonlinear waves in dusty and quantum plasma	Banerjee, Gadadhar	Maitra. S
Some fuzzy inference techniques and their applications to different fields	Basak, Sanghamitra	Panigrahi G , Jana D, Maiti M
Some Transportation Problems in Different Imprecise Environments	Bhowmik, Sarbari	Panigrahi G , Jana D, Maiti M
Fixed point theory and Topology	Chanda, Ankush	Dey, L.K.
Decision making problem with uncertainty in optimization framework	Chatterjee, A	Kar, S.
Supply chain risk assessment and its management	Chatterjee, K.	Kar, S.
Application of Statistical Methods for Determination of Key Factors for Project Implementation	Chowdhury, Angshuman	S.Sarkar (Mondal)
Cryptography	Das, D.	Basu, K.
Some Bio-Mathematical Models In Crisp and Uncertain Environments	De, Anupam	Panigrahi G, Maity Kalipada , Manoranjan Maiti
A Study of Some New Topological Indices of Graphs	De, Nilanjan	Pal, A., Nayeem, S.M.A.
Modelling on CSR with bureaucracy	Debnath, A.	Kar, S.
Some Optimization Problems on Fuzzy Graphs	Dey, Arindam	Pal, A., Pal, T.
Application of Fuzzy Mapping in different Real Life Problems	Ghosh, Dhrubojyoti	Pal, A.
Magnetoconvective instabilities in liquid metals	Ghosh, Manojit	Pal, P.

Topic	Investigator	Supervisor(s)
Labelling of graphs and Hypergraphs	Ghosh, Poulomi	Pal, A.
Graph labelling and its applications	Ghosh, Sumonta	Pal, A.
Assignment problem in fuzzy environment	Kar, S.	Basu, K.
Topological fixed point theory	Karmakar, Surajit	Dey, L.K.
Some Inventory Models for deteriorating/Breakable Items In Different Environment	Kundu, Anindita	Panigrahi G, Das B, Maiti M
Optimal synchronization in complex networks	Kundu, Prosenjit	Pal, P.
Stochasticity in ecology and epidemiology	Kundu, S	Maitra. S
Network problems under uncertain environment	Mandal, K.	Basu, K.
Application of Optimization Techniques on Coal Mines Selection	Mandal, Satya	S.Sarkar (Mondal)
Data Mining Techniques for social network analysis	Mandal, Shrabanti	Pal, A.
A study on fuzzy graphs and interval valued fuzzy graph	Mishra, Sachchida Nand	Pal, A.
Integration theory	Mondal, Pratikshan	Dey, L.K.
RFID Systems: Security and Privacy	Mourya, P. K.	Bagchi, S.
On Some NP hard problems Using Heuristic Method	Mukherjee, Anupam	Panigrahi G, Maiti Manoranjan
Auction Adaptive participatory Sensing	Mukhopadhyay, Jaya	Pal, A.
Collective phenomena in coupled oscillators	Nandan, Mauparna	Pal, P.
Interplay of structure and dynamics in multilayer networks	Khanra, Pitambar	Pal, P.
Overstability in rotating magnetoconvection of electrically conducting fluids	Banerjee, Ankan	Pal, P.
Applications of RFID on Telecare Medicine Information System to Enhance Patients Safety	Pal, Joydeb	Bagchi, S.
Time Series Forecasting using Soft Computing Techniques	Pal, S. S.	Kar, S.
Optimal Control Problems in Uncertain Environments	Roul, J.N.	Kar, S.
Multi-criteria and Multi-objective decision making problems	Roy, J.	Kar, S.
Reliability optimization	Samanta, A.	Basu, K.
Mathematical models of some decision making problems in uncertain environment	Bera, S.	Basu, K.
Estimation Theory	Paricha, P.	Basu, K.
Fixed point theory	Senapati, Tanusri	Dey, L.K.
Restricted domination problems on graphs	Sinha, Angshu kumar	Pal, A.,

Department of Mechanical Engineering

Topic	Investigator	Supervisor(s)
Investigation on Geometry and Size Effects in Micro EDM	Barman Swapan	Puri A. B., Nagahanumaiah
Fluid Flow and Heat Transfer Through Porous Media	Behera Chinmayee	Pramanik Shantanu
Numerical Simulation of Bifurcated Air Intake	Bhattacharjee V.	Mullick A. N.
Thermodynamic Analysis of Oxy-fuel Combustion based Thermal Power Plants	Chatterjee Soumya Jyoti	Karmakar Sujit
Design, Analysis, and Development of Electrohydrodynamic Inkjet based Micro-additive Manufacturing System	Das Raju	Roy S.S.
Deformable Bodies in Potential Flow: Energy Perspective	Deb Sudipta	Banerjee Nilotpal
Numerical Investigation of Natural Convection in an Enclosure	Dutta Shantanu	Biswas A. K. Pati Sukumar
Power Generation from Municipality Waste	Dwivedi Krishna Kant	Pramanick, A. K. , Cjatterjee, P. K, Karmakar, M.
Thermodynamic Analysis and Performance improvement of Coal-fired Thermal Power Plants	Khankari Goutam	Karmakar Sujit
Analysis of bimodular material laminated curved beam	Kumar Amrendra	K. Khan
Optimum design of Flow Modifier in Tundish of Slab Caster using CFD	Kumar D.	Mullick A. N.
Design and analysis of robotic arm for physically interactive applications	Kumar Virendra	Roy S.S., Sen S. (CMERI)
Multi-body Dynamic Modeling and Simulation of Six-legged Robots Maneuvering over Varying Terrains	Mahapatra Abhijit	Roy S.S., Pratihari D.K (IIT Kgp)
Numerical Study on the Thermo-Fluidic Transport of Fly Ash-Water Slurry in Horizontal Pipelines	Nayak B. B.	Mullick A. N.
Combined nano-indentation and FEM on elasto-plastic solids	Porwal Deeksha	K. Khan, A. Dey
Investigation on Machining Characteristics in Mechanical Micro Milling of Amorphous Materials	Ray Debajyoti	Puri A. B., Nagahanumaiah
An Investigation on the Design of Continuous Casting Mould	Ray Kaushik	Basak I
Window Refrigeration System Design Using Phase Change Material	Selva Pandian E.	Pramanick, A. K., Ramachandran, P. K.
Analysis of Bimodular material laminated beam	Sk Nasir Hasan	K. Khan
Study and analysis of nonlinear behavior of passive suspensions in passenger vehicle	Varude Vinay Ravindra	Banerjee Nilotpal

Department of Metallurgical and Materials Engineering

Topic	Investigator not sorted	Supervisor(s)
Mechanism of microstructural modification and subsequent improvement in properties by semi-solid heat treatment of some non-ferrous alloys.	Bandyopadhyay Biswarup	Dr. Bhattacharya A. Dr. Mallik Manab
Synthesis and characterization of metallic glass matrix composite	Maity Shubhadeep	Dr. Bera S. & Dr. Show B.K.
Application of carbon nano-composites in dye sensitized solar cells	Sarkar A.	Dr. Bera S. & Dr. Chakraborty A. (Physics)
Structure-property correlation on ZrB ₂ based ultrahigh temperature ceramic composites.	Paul Tanay Rudra	Dr. Mallik Manab Dr. Mondal M. K
Transient liquid phase diffusion bonding of aluminium based metal matrix composites	Roy Pallab	Prof. Pal T.K. (Jadavpur University) & Dr. Maity J.
Development of high strength ductile steels by cyclic heat treatment involving reconstructive and displacive phase transformations	Mishra Alok	Dr. Maity J.
Development of aluminium based metal matrix composite systems with hybrid reinforcements processed through powder metallurgy route and comparative study of their properties	Saha Samata	Dr. Ghosh Manojit (BESU, Shibpur) & Dr. Maity J.
Design and Development of Highly Efficient Water and Ethylene Based Nanofluids Containing Cu-Ag Alloy Nanoparticles for Advanced Heat Transfer Applications	Das Sujoy	Dr. Ghosh M. M.
Design and development of Cu based nanocomposites with W particles reinforcement for use in heat sinks in advanced electronic devices	Bandyopadhyay Krishnan	Dr. Ghosh M. M. & Prof. Ghosh K. S.
Molecular dynamics study on physical and mechanical properties of graphene and other carbon based nanomaterials	Das Dhiman Kumar	Dr. Ghosh M. M.
Assessment of Microstructural, Mechanical and Electrochemical Behaviour of Various Dental Amalgams of Various States	Dutta (Chowdhury) Nivedita	Prof. Ghosh K. S.
Assessment of structure -high strain rate deformation behaviour of Materials	Acharya Saikat	Prof. Ghosh K.S. and Prof. Mondal D. K.
Development of high strength wear resistant low carbon steel by cyclic heat treatment	Subhani Amir Raza	Dr. Maity J. & Prof. Mondal D. K.
Al alloy, Semi solid processing	Choudhary Chandan	Dr. Mandal D. & Dr. Sahoo K.L (CSIR-NML, Jamshedpur)
Composite materials, micro level simulation	Biswas Prasanta	Dr. Mondal M.K. & Dr. Mandal D.
Corrosion and Nanomaterials	Kar Palas	Prof. Ghosh K.S.
Detailed study on tribological behaviour of different Al-Si alloys (Tentative)	Hazra Biplab	Dr. Show B.K. and S. Bera
Physical Met. and corrosion Engg.	Jaiswal Arvind Kumar	Dr. Maji B. & Dr. Maity J.

Department of Physics

Topic	Investigator	Supervisor(s)
Phenomenological implications of boson in mixing and rare decays of hadrons	Banerjee Debika	Sahoo S.
Synthesis, characterizations, linear and non-linear optical properties of some noble metal nanostructures	Biswas Subrata	Kumbhakar P.
Carbon nanotubes and graphene based metal oxide composites for supercapacitors	Chakrabarty Nilanjan	Chakraborty A.K.
Interface and load transfer in carbon nanoparticle based epoxy nanocomposites	Chakraborty Souvik	Chakraborty A.K. & Barbezat, M (EMPA, Switzerland)
Reliability prediction studies of lead free solder joint interface used in electronics & microelectronics applications	Char Monalisa	Chakraborty A.K. & Kar, A (JBNSTS)
Fabrication & characterization of Graphene based gas sensors	Chatterjee Shyamasree Gupta	Chakraborty A.K. & Roy, A (SMIT)
TiO ₂ -SiO _x -TiO ₂ based optical detector	Choudhuri Bijit	Mondal A. & Saha A.
Development and Characterization of Polymer-Nanocomposites for Enhanced Dielectric Properties	Das A. K.	Meikap A.K
Synthesis of InN nanostructure by unique vapour transport method and development of infrared optical sensor	Dhar Dwivedi S.M.M.	Mondal A.
Studies on Optoelectronic Properties of low dimensional Er doped In ₂ O ₃ films and its porous structures	Ghosh Anupam	Mondal A.
Optical and Electrical Properties of Polymer-Nanocomposites	Goswami M.	Meikap A.K. R. Ghosh
Studies on Electrical and Optical Properties of Polymer-Multiferroic Nanocomposites	Halder H.	Meikap A K
Studies on sparse representations and its applications in image processing and security	Karmakar Jayashree	Mandal M. K.
Optical Properties of Metals Nanoparticles, Thin Films and Application	Karmakar Srikanta	Kumbhakar P.
Phenomenology of Z' Boson, B Mesons and Higgs Boson	Kumar Manish	Sahoo S.
Optical Properties of Semiconductor Materials and Its Thin Films and Investigation on their Photo-catalytic properties	Kumbhakar Partha	Kumbhakar P.
Synthesis and Characterization of multiferroic rare earth orthoferrites nanostructure.	Kundu Shovan Kumar	Basu S
Studies of exact solutions and cosmological model based on Einstein-Cartan Theory	Manna Bibekananda	Sahoo S.
Synthesis of Chemically Modified Zinc Oxide Nano-Structures for detection of Organic Hazards	Maikap A.	Meikap A K Mandal B N
Study on geothermal activities by experimental techniques and nonlinear approaches	Maji Chiranjit	Chaudhuri H

Topic	Investigator	Supervisor(s)
Phenomenology of boson, B mesons, Higgs boson and new physics	Maji Priya	Sahoo S.
Electrical Transport Properties of Inorganic and Organic-Inorganic Nanocomposites	Mukherjee P. S.	Meikap A.K.
Temperature evolution of symmetry energy and the properties of neutron star matter with phenomenological effective interactions	Mohanta S. C.	Sahoo S & Sahoo B
Investigations on Synthesis, Linear and Nonlinear Optical Properties of Some Carbon Nanostructured Materials and Nanocomposites	Mondal Koushik	Kumbhakar P.
Phenomenological implications of boson in B meson and Higgs boson	Nayek Priti	Sahoo S.
Ag nanoparticle dispersed in TiO ₂ nanowire based UV-Vis detector	Ngangbam C.	Mondal A. & Dev S.
Investigations on Synthesis, Characterizations, Optical Properties of Some Carbon Nanostructured Materials and its Applications	Pramanik Ashim	Kumbhakar P.
A complete study on spin polarized nuclear matter and finite nuclei with finite range simple effective interaction	Pal Mahadeb	Sahoo S., Sahoo B & Chakraborty S.
Electrical and magnetic properties of Polymer multiferroic nanocomposites	Rana Dhiraj Kumar	Basu S
Application of Carbon Nanostructures in dye sensitized solar cells.	Sarkar Aatreyee	Chakraborty A.K. & Bera, S. (MME)
Detection of partial discharge in high voltage equipment using Fiber-optic sensor	Sarkar Badal	Roy N.K., Kole C. & Kumbhakar P.
Indium doped TiO ₂ thin film and its photocatalytic properties	Sarkar M. B.	Mondal A. & Bhattacharya P.
Nonlinearity of earthquake precursory signals	Seal Kankana	Chaudhuri H.
A study on electrical transport properties of some rare earth chromate nanocomposites	Sinha R.	Meikap A.K. Basu S
Development of gas sensors using graphene based nanohybrids	Tiwari, P.	Chakraborty A.K. & Mahapatra, R. (ECE)

Annexure–11.4 (h) Ph.D. degree awarded till 2016-17

Name of the Department	Investigator	Supervisor(s)
Chemical Engineering	Dr. A. Kumar	Dr. T.Mandal
Chemical Engineering	Dr. A.K. Manna	Dr. P. Pal
Chemical Engineering	Dr. J. Sikder	Dr. P. Pal & Dr. J.P. Sarker
Chemical Engineering	Dr. R. Kumar	Dr. P. Pal
Chemical Engineering	Dr. R.N. Krishnaraj	Dr. P. Pal, Dr. S.Chandran & Dr. S. Berchmans (CSIR-CECRI)
Chemical Engineering	Dr. P. Dey	Dr. P. Pal
Chemical Engineering	Dr. V.C.Dekonda	Dr. P.Pal, Dr, R.Kumar
Chemical Engineering	Dr. S.Chakraborty	Dr.P.Pal , Dr. M.Roy(MS)
Chemical Engineering	Dr. S. Mondal	Dr. G. N. Halder
Chemical Engineering	Dr. A. Khan	Dr. G. N. Halder
Chemistry	Dr. M. Banerjee	Dr. R. S. Konar
Chemistry	Dr. S. Chatterjee	Dr. R. S. Konar
Chemistry	Dr. B. R. Guha	Dr. S. N. Banerjee
Chemistry	Dr. S. Basu	Dr. S. N. Banerjee
Chemistry	Dr. U. Satpathi	Dr. R. S. Konar
Chemistry	Dr. P. K. Banerjee	Dr. S. N. Banerjee
Chemistry	Dr. S. Saha	Dr. N. Kurmaiah
Chemistry	Dr. V. K. Soi	Dr. N. Kurmaiah
Chemistry	Dr. S. Sarkar	Dr. R. S. Konar
Chemistry	Dr. M. S. Adhikary	Dr. R. S. Konar
Chemistry	Dr. S. Guchait	Dr. R. S. Konar
Chemistry	Dr. R. Roy	Dr. M. M. Nandi
Chemistry	Dr. P. Debnath	Dr. M. M. Nandi
Chemistry	Dr. S. Mishra	Dr. S. N. Banerjee
Chemistry	Dr. J. Chowdhuri	Dr. M. M. Nandi
Chemistry	Dr. S. Tarot	Dr. M. M. Nandi
Chemistry	Dr. T. K. Chatterjee	Dr. G. C. Bhaumik
Chemistry	Dr. A. K. Sarkar	Dr. N. Kurmaiah
Chemistry	Dr. N. Dey	Dr. R. S. Konar
Chemistry	Dr. S. C. Mitra	Dr. R. S. Konar
Chemistry	Dr. S.C. Moi	Dr. A. K. Ghosh
Chemistry	Dr. T. Kundu	Dr. A. K. Ghosh & Dr. P. Chowdhury
Chemistry	Dr. B. Chakrabarti	Dr. B. P. Mukhopadhyay
Chemistry	Dr. T. K.Nandi	Dr. B. P. Mukhopadhyay
Chemistry	Dr. S. Samui	Dr. A. K. Ghosh & Dr. P. Chowdhury
Chemistry	Dr. B. Ghosh	Dr. B. P. Mukhopadhyay
Chemistry	Dr. Ranjana	Dr. M. M. Nandi & Dr. M. Maji

Name of the Department	Investigator	Supervisor(s)
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Chemistry	Dr. S. Mahata	Dr. M. M. Nandi & Dr. B. N. Mondal (CMERI)
Chemistry	Dr. H. S. Borah	Dr. S. S. Panja Dr. S. Choudhury
Chemistry	Dr. S. Roy	Dr. A. K. Patra
Chemistry	Dr. J. Shah	Dr. S. B. Das Dr. R. N. Saha Dr. Raut N. B. (C.C.E., Oman)
Chemistry	Dr. Avik Banerjee	Mukhopadhyay B.P.
Chemistry	Dr. Ranu Banerjee	Dr. M. M. Nandi.
Chemistry	Dr. Tirthankar Mallik (Regd. with B.U.)	Dr. R. N. Saha
Chemistry	Dr. Koyel Misra	Dr. S. C. Moi
Computer Science and Engineering	Bhattacharjee, Partha	Sanyal, G.
Computer Science and Engineering	Sinha, T.S.	Sanyal, G.
Computer Science and Engineering	Sarkar, A.	Bhattacharyya, S.
Computer Science and Engineering	Chakraborty, B.	Ghosh, D.
Computer Science and Engineering	Mukhopadhyay, S.	Ghosh, D.
Computer Science and Engineering	Changdar, S.	Ghosh, D.
Computer Science and Engineering	Das, S.	Ghosh, D.
Computer Science and Engineering	Bhattacharyya, Souvik	Sanyal, G.
Computer Science and Engineering	Bhattacharya, Jilik	Sanyal, G.
Computer Science and Engineering	Samanta, Debarata	Sanyal, G.
Computer Science and Engineering	Banerjee, Indradip	Sanyal, G., Bhattacharyya, S.
Computer Science and Engineering	Samanta, Sabyasachi	Sanyal, G.
Computer Science and Engineering	Mukherjee, Shyamapada	Roy, S.
Computer Science and Engineering	Pradhan, Ashok Kumar	De, T.
Computer Science and Engineering	Das, Sujit	Pal, T.
Computer Science and Engineering	Choudhury, P.	Nandi, S.
Computer Science and Engineering	Saha, S.	Nandi, S.
Civil Engineering	Dr. M. N. Rao	Dr. M. M. Basole
Civil Engineering	Dr. P. K. Das	Dr. M. M. Basole
Civil Engineering	Dr. N. M. Basu	Dr. M. N. Rao
Civil Engineering	Dr. S. N. Srimani	Dr. P. K. Das
Civil Engineering	Dr. S. Debbarma	Dr. S. Saha
Civil Engineering	Dr. N. K. Paul	Dr. R. P. Nanda
Civil Engineering	Dr. Satanand Mishra	Dr. Vijay Kumar Dwivedi
Civil Engineering	Dr. Milan Bandyopadhyay	Dr. A K Banik
Civil Engineering	Dr. N Aravind	Dr. AK Samanta & Dr. D. K. Singha Roy
Electrical Engineering	Dr. P. K. Sen	Dr. A. M. Roy
Electrical Engineering	Dr. (Mrs.) J. Majumder	Dr. S. P. Roy Choudhury
Electrical Engineering	Dr. Ranjit Roy	Dr. S. P. Ghoshal

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Electrical Engineering	Dr. P.K. Roy	Dr. S.P. Ghoshal & Dr. S.S. Thakur
Electrical Engineering	Dr. P. Biswas	Dr. Banerjee S.
Electrical Engineering	Dr. A. Chatterjee	Dr. Ghoshal S.P. & Dr. Mukherjee V.
Electrical Engineering	Dr. S. Mallik	Dr. S.S. Thakur, Dr. P. Acharjee, Dr. S.P. Ghoshal
Electrical Engineering	Dr. M.K. Sarkar	Dr. S. Banerjee, Dr. S.P. Ghoshal & Dr. T.K. Saha
Electrical Engineering	Dr. P.K. Pany	Dr. S.P. Ghoshal
Electrical Engineering	Dr. S.K. Saha	Dr. R. Kar, Dr. S.P. Ghoshal & Dr.D. Mandal
Electrical Engineering	Dr. A. Chatterjee	Dr. V. Mukherjee, Dr. S.P. Ghoshal
Earth and Environmental Studies	Dr. T. K. Saha	Dr. S. B. Bhattacharjee & Dr.S. N. Ghosh (ChE)
Earth and Environmental Studies	Dr. A. K. Batabyal	Dr. S. B. Bhattacharjee Dr. A. Mukherjee
Earth and Environmental Studies	Dr. K. Adhikari	Dr. A. Gangopadhyay Dr. P. Choudhury
Earth and Environmental Studies	Dr. D. Banerjee	Dr. A. Gangopadhyay Dr. S. Bhattacharyya Dr. S. K. Chakraborty
Earth and Environmental Studies	Dr. S. Karmakar	Dr. A. Gangopadhyay & Dr. K. Brahmachari
Earth and Environmental Studies	Dr. M. Mahapatra	Dr. A. Gangopadhyay & Dr. J. R. Kayal
Earth and Environmental Studies	Dr. B. Chakraborty	Dr. A. Gangopadhyay & Dr. K. Adhikari
Earth and Environmental Studies	Dr. K. Sadhu	Dr. K. Adhikari & Dr. A. Gangopadhyay
Earth and Environmental Studies	Dr. S. Mazumder	K. Adhikari S. Mahapatra D. S. Mitra
Humanities and Social Sciences	Dr. R. Chaudhury	Dr. P. P. Sengupta & Dr. S. C. Sikdar
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Humanities and Social Sciences	Dr. S. M. Paul	Dr. P. P. Sengupta
Humanities and Social Sciences	Dr. C. Mouli	Dr. P. P. Sengupta
Humanities and Social Sciences	Dr. S. K. Seth	Dr. P. P. Sengupta
Humanities and Social Sciences	Dr. A. Bhattacharyya	Dr. P. P. Sengupta
Humanities and Social Sciences	Dr. P. Mitra	Dr. P. P. Sengupta
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Humanities and Social Sciences	Dr. T. Biswas	Dr. P. P. Sengupta
Humanities and Social Sciences	Dr. A. De	Dr. B.N. Chakrabarti & Dr. G. Bandyopadhyay
Humanities and Social Sciences	Dr. A. Dutta	Dr. P. P. Sengupta

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Humanities and Social Sciences	Dr. S. Bhattacharyya	Dr. P. P. Sengupta
Humanities and Social Sciences	Dr. T.Chakrabarty	Dr. J. Banerjee
Humanities and Social Sciences	Dr. D.Dey	Dr. P. P. Sengupta
Humanities and Social Sciences	Dr. S. Hazra	Dr. P. P. Sengupta
Humanities and Social Sciences	Dr Ashim Banerjee	Dr. P. P. Sengupta
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Humanities and Social Sciences	Dr. D. P. Misra	Dr. A. Modak
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Humanities and Social Sciences	Dr. Sandip Guha Roy	Dr. J. Banerjee
Metallurgical & Materials Engineering	Dr. A. C. Ganguli	Dr. S. C. Dasgupta Dr. A. K. Chakraborty
Metallurgical & Materials Engineering	Dr. S. Banerjee	Dr. D. Bhaduri
Metallurgical & Materials Engineering	Dr. B. Deo	Dr. S. Sarkar
Metallurgical & Materials Engineering	Dr. A. Basu	Dr. S. C. Sengupta & Dr. S. Jana
Metallurgical & Materials Engineering	Dr. S. K. Chattopadhyay	Dr. S. K. Chatterjee & Dr. S. P. Sengupta
Metallurgical & Materials Engineering	Dr. K. Lal	Dr. S. K. Chattopadhyay & Dr. A. K. Meikap (PH)
Metallurgical & Materials Engineering	Dr. Subhendu Mukherjee	Dr. D. K. Mondal
Metallurgical & Materials Engineering	Dr. Debashis Ghosh	Dr. S.K. Mitra
Metallurgical & Materials Engineering	Dr. Ranjan Kumar Dasgupta	Dr. D. K. Mondal & Prof. A. C. Ganguli
Metallurgical & Materials Engineering	Dr. A. Saha.	Dr. Mondal D. K. & Dr. Maity J
Metallurgical & Materials Engineering	Dr. B. K. Show	Dr. J. Maity & Dr. D.K. Mondal
Metallurgical & Materials Engineering	Dr. M. K. Mondal	Dr. J. Maity & Dr. Biswas K (IIT Kharagpur)
Metallurgical & Materials Engineering	Dr. R. Karunanithi	Dr. S.Bera & Dr. K.S. Ghosh

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Metallurgical & Materials Engineering	Dr. Susanta Pramanik	Dr. S.K. Mitra
Metallurgical & Materials Engineering	Dr. S. Mondal	Prof. D. K. Mondal & Prof. K. S. Ghosh
Management Studies	Dr. Chatterjee, T.	Dr.M.Roy
Management Studies	Dr.Khastagir, D.	Dr.M.Roy
Management Studies	Dr.Biswas, A.	Dr.M.Roy
Management Studies	Dr.Chakraborty S.	Dr.M.Roy, Dr.P.Pal
Management Studies	Dr.Chakrabarty A	Dr. A. De
Management Studies	Dr.Banerjee A	Dr. A.De
Management Studies	Dr.Siddhanta.S	Dr.N.Banerjee
Management Studies	Dr.Bandyopadhyay S	Dr. A. Dutta, Dr. G. Bandyopadhyay , Dr. G Sanyal
Management Studies	Dr.Upadhyay A	Dr. G. Bandyopadhyay
Management Studies	Dr.Bhattacharyya S	Dr. G. Bandyopadhyay
Management Studies	Dr.Thomas A	Dr. A. Dutta
Management Studies	Dr. Majumdar M	Dr. A. Dutta
Management Studies	Dr.Mitra M	Dr. G . Bandyopadhyay
Management Studies	Dr.Dinkar	Dr. G , Bandyopadhyay, Dr. R N Mukherjee
Management Studies	Dr.Banerjee C	Dr. Kaushik Mandal
Management Studies	Dr.Roy K	Dr .Kaushik Mandal
Mathematics	Dr. E. Tarafder	Dr. A. K. Chowdhury
Mathematics	Dr. R. Sircar	Dr. D. N. Mitra
Mathematics	Dr. H. Chattopadhyay	Dr. B. K. Roy
Mathematics	Dr. J. Sanyal	Dr. A. N. Roy Chowdhury
Mathematics	Dr. D. Chatteraj	Dr. S. K. Bose
Mathematics	Dr. T. Chattopadhyay	Dr. S. K. Bose
Mathematics	Dr. T. Das	Dr. R. Sircar
Mathematics	Dr. S. S. Halder	Dr. S. K. Bose
Mathematics	Dr. P. Chakraborty	Dr. A. N. Roy Chowdhury
Mathematics	Dr. Sambhu Nath Dey	Dr. D. Ghosh & Dr. S. C. Sikder
Mathematics	Dr. S. N. Dey	Dr. D. Ghosh (CSE) & Dr. S.C. Sikder
Mathematics	Dr. R. Bhattacharyya	Dr. S. Kar & Dr. D DuttaMajumder
Mathematics	Dr. D. Das	Dr. S. Kar & Dr. A. Roy
Mathematics	Dr. S. Mukherjee	Dr. K. Basu
Mathematics	Dr. A.Das	Dr. K. Basu
Mathematics	Dr. S. Pathak	Dr. S. Sarkar (Mondal)
Mathematics	Dr. P. Karmakar	Dr. S. Kar

Name of the Department	Investigator	Supervisor(s)
Mathematics	Dr. P. Nandi	Dr. S. Kar & Dr. G. Gorain
Mathematics	Dr. G. Panigrahi	Dr. K. Basu
Mathematics	Dr. A. Rana	Dr. A. Pal, & Dr. M. Pal
Mathematics	Dr. P. Narayanan	Dr. A. Pal & Dr. Rizwan
Mathematics	Dr. P. Kundu	Dr. S. Kar & Dr. M. Maiti
Mathematics	Dr. A. Saha	Dr. S. Kar & Dr. M. Maiti
Mathematics	Dr. S. Hazari	Dr. S. Kar, Dr. J.K. Dey & Dr. M. Maiti
Mathematics	Dr. P. Karmakar	Dr. S. Sarkar (Mondal) & Dr. D.Majumdar
Mathematics	Dr. G. Panigrahi	Dr. K. Basu
Mathematics	Dr. S. Dan	Dr. P. Pal
Mathematics	Dr. Debashis Ghosh	Dr L. K. Dey
Mathematics	Dr. Utpalendu Adak	Dr L. K. Dey & Dr H. K. Samanta
Mathematics	Dr. Jyotirmoy Tiwari	Dr Kajla Basu & Dr Goutam Mohanti
Mathematics	Dr Dalbinder Kour	Dr Kajla Basu & Dr Sathi Mukherjee
Mathematics	Dr. Yada Nandukumar	Dr. P. Pal
Mathematics	Dr. Dhruvajyoti Ghosh	Dr. A. Pal
Mathematics	Dr. Nilanjan De	Dr. A. Pal
Mathematics	Dr. Saranan Mondal	Dr L. K. Dey
Mathematics	Dr. Angshuman Chowdhury	Dr. S. Sarkar (Mondal)
Biotechnology	Dr. S. Mondal	Dr. K. Aikat & Dr. G. Halder (Chemical Engg)
Biotechnology	Dr. M. Behera	Dr. D. Dasgupta Mandal
Biotechnology	Dr. J.C. Bose K.	Dr. S. S. Mukhopadhyay
Biotechnology	Dr. B. Laha	Dr. M. Ghosh
Biotechnology	Dr. M. Chakraborty	Dr. S. Chattopadhyay
Mechanical Engineering	Dr. S. N. Mukherjee	Dr. S. K. Basu
Mechanical Engineering	Dr. D. K. Pal	Dr. S. K. Basu
Mechanical Engineering	Dr. S. N. Sengupta	Dr. S. K. Basu
Mechanical Engineering	Dr. G. Mitra	Dr. S. K. Basu
Mechanical Engineering	Dr. G. S. Gill	Prof. N. C. Dasgupta & Dr. D. Bhaduri
Mechanical Engineering	Dr. K. Chatterjee	Dr. N. B.Hui Dr. D. Chatterjee D. (CMERI)
Mechanical Engineering	Dr. P. Basu	Prof. N. C. Dasgupta & Dr. D. Bhaduri
Mechanical Engineering	Dr. A. Majumdar	Dr. S. K. Basu
Mechanical Engineering	Dr. G. S. Patki	Dr. S. K. Basu
Mechanical Engineering	Dr. P. K. Sinha	Dr. D. Bhaduri
Mechanical Engineering	Dr. S. C. Nidhi	Dr. S. K. Basu
Mechanical Engineering	Dr. J. Basu	Dr. S. K. Basu
Mechanical Engineering	Dr. B. Bhaduri	Dr. S. K. Basu
Mechanical Engineering	Dr. S. P. Das	Dr. P. B. Choulia

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Mechanical Engineering	Dr. M. A. Venkatesh	Dr. D. K. Pal
Mechanical Engineering	Dr. N. P. Mukherjee	Dr. D.K.Pal
Mechanical Engineering	Dr. S. Mukherjee	Dr. S.N.Sengurpta & Dr. M.C.Majumder
Mechanical Engineering	Dr. Balamurugan Gopla	Dr. S. Ghosh Dr. B.N Mondal. (CMERI)
Mechanical Engineering	Dr. Chandan Chatteraj	Dr. M. C. Majumder
Mechanical Engineering	Dr. A. G. Mathew	Dr. M. C. Majumder Dr. K. P. Ramachandran (CCE, Oman)
Mechanical Engineering	Dr. G. K. Vijayaraghvan	Dr. Majumder M.C. Dr. K. P. Ramachandran (CCE, Oman)
Mechanical Engineering	Dr. S. Vishnupriyan	Dr. K. P. Ramachandran (CCE, Oman) Dr. M. C. Majumder
Mechanical Engineering	Dr. Debroy Pradip	Dr. S.Ghosh
Mechanical Engineering	Dr. Maity Atanu	Dr. S.Ghosh Dr. S. Majumder (CMERI)
Mechanical Engineering	Dr. Murali R. V.	Dr. A. B. Puri & Dr. Khalid
Mechanical Engineering	Dr. Gangopadhyay S.	Dr. M. C. Majumder & Dr. N. R. De
Mechanical Engineering	Dr. Ray D. N.	Dr. Mukherjee S. & Dr. S. Mazumder
Mechanical Engineering	Dr. B. Bhattacharya	Dr. N. Banerjee & Dr. H. Sarkar (WBPCB)
Mechanical Engineering	R. V. Murali (2012)	Dr. A. B. Puri
Mechanical Engineering	Debashis Nandi (2015)	Dr. A. B. Puri and Prof. I. Basak
Mechanical Engineering	Mithilesh Dikhshit (2016)	Dr. A. B. Puri and Dr. Atanu Maity
Mechanical Engineering	Dr. Arup Kumar Biswas	Dr. A N Mullick, Dr. P K Sinha & Dr. B Majumdar
Mechanical Engineering	Dr. Debajyoti Banerji	Dr. I. Basak & Dr. J. Bose (CMERI)
Mechanical Engineering	Dr. Avik Chatterjee	Dr. I. Basak & Dr. S. Majumder (CMERI)
Mechanical Engineering	Dr. Tapas Gangopadhyay	Dr. I. Basak & Dr. D.K. Pratihar (IITKgp)
Physics	Dr. H.S. Desarkar	Dr.P.Kumbhakar & Dr. A.K.Mitra
Physics	Dr. A.Chatterjee	Dr. N.K.Roy and Dr.P.Kumbhakar
Physics	Dr. A.Ganguly	Dr. A. Mondal, Dr. R.K. Yadav
Physics	Dr. A. Kole	Dr.P.Kumbhakar
Physics	Dr. S.K.Sahoo	Dr. S.Sahoo, Dr. B.K. Sahoo (NIT Raipur)
Physics	Dr. R. K. Agrawalla	Dr. A.K. Chakraborty & Dr. A.K.Mitra (Retd)
Physics	Dr. K. Mukherjee	Dr. A.K. Meikap.& Dr.P.Kumbhakar
Physics	Dr. S. Sinha	Dr. A.K. Meikap.& Dr. S.K. Chatterjee
Physics	Dr. S. Chakraborty	Dr.P.Kumbhakar
Physics and ECE (NITA)	Dr. J. C. Dhar	Dr. A. Mondal
Physics and ECE(NITA)	Naorem Khelchand Singh	Dr. A. Mondal

Annexure - 11.4(h) ii Proposed Plan for Research

Department of Biotechnology

- Anti-microbials and anti-diabetic compounds from plant/food sources.
- Assessment on the removal of heavy metals and dye using low cost adsorbents.
- Biodegradation of pesticides
- Bioenergy
- Biofuels
- Biomarkers assessment
- Bionanotechnology
- Biopigments
- Bioprospecting microbial diversity for biomolecules
- Bioremediation
- Bioremediation of textile dye
- Biosurfactant production and application
- Cancer Biology
- Developmental Biology and Signal Transduction
- Drug delivery system
- Environmental Microbiology and Biotechnology
- Inflammation and Cell Signaling
- Microbial fermentation
- Microbial genomics and metagenomics
- Microbiology of arsenic contaminated groundwater
- Molecular mechanism of inflammation
- Molecular Plant Pathology
- Parasite immunology and cell signalling
- Parasite metagenomics
- Pesticides and other chemicals from plant sources
- Petroleum microbiology
- Plant Biotechnology
- Screening of Novel Enzymes

Department of Chemical Engineering

- Acetic acid production in membrane-integrated bioreactor system
- Arsenic removal by membrane technology
- Biochemical Utilisation of Petroleum Wax (Biochemical Conversion / SCP Production)
- Biodiesel Synthesis from Microalgae Oil and Neem Oil
- Biological treatment of coalmine waste water
- Bubbling Fluidized Bed Combustion
- CFD modelling of Pyrolysis, Combustion and Gasification of Coal and Biomass
- Characterisation of nanomembranes
- Chlorofluorocarbons Replacement
- Clean Technology development for chemical processes
- Clean water production by membrane technology

- Comparative Studies on Hydrodynamic and Gas-Particle Heat Transfer in Uniform and Converging Riser
- Defluoridation of contaminated groundwater by bioremediation
- Design and Analysis of Circulating Fluidised Bed Bioreactors employing
- Design of Three Phase Fluidised Bed Combustion Equipment for Colloidal Fuels (Coal-
- Development of Contour Model of Settling of Air-borne Dust from Cement Plant and CPower Plant Chimneys
- Diesel Particulate Filter-A CFD Modelling
- Dynamic modelling of integrated coke-oven wastewater treatment plant
- Effect of Waste Plastics in Physical Structure of Municipal Solid Wastes stored in Landfills and Anaerobic Digestion.
- Fluidized Bed Combustion
- Gas-Particle Mass Transfer in a Short Converging Riser
- Heterogeneous catalysis for the for the production of biodiesel
- Immobilised Enzyme Nanoparticles
- Kinetic Studies on Biochemical Production of Phosphatic Biofertiliser from Rock Phosphate Ore
- Methane enrichment by TSA technology
- Modeling transport through nanomembranes
- Modelling & Simulation of Integrated physico-chemical and biological treatment of wastewater
- Modelling & Simulation of lactic acid production in membrane-integrated hybrid system
- Modelling and simulation of PSA-VSA integrated system
- Modelling of Diesel Particulate Filter (DPF)
- Modelling of Pyrolysis, Combustion and Gasification of Coal and Biomass
- Nanofiltration
- Noncatalytic Gas-Solid Reactions
- Novel Techno-economic Evaluation for Conversion & Re-refining of Used Lubricating Oils to Base Oil
- Oil Suspension
- Pneumatic Drying of Wet-Particle in an uniform and Converging Riser Duct
- Pressure Swing Adsorption Mechanism for Separation
- Production of Biodegradable Plastics (PLLA) from Cheese Whey
- Pyrolysis of weeds
- Removal of Industrial Pollutant in an Inverted Fluidized Bed using Palm-seed Activated Charcoal
- Removal of phenol using shale
- Slurry Flow Modelling
- Studies on gas separation by nano-composite membrane
- Studies on Hydrodynamics and Mass Transfer in a Converging Inverted Fluidized Bed.
- Surface modification of activated carbon by inert gas activating agent

Department of Chemistry

- Application of Fenton's, Lime & Biological Treatment & their Comparative Assessment for the
- Application of Photo-Fenton's Oxidation & Biological Oxidation for Degradation of Selected
- Chemistry of Transition metal-Schiff base ligand complexes
- Corrosion chemistry: Highly efficient Green and synthetic corrosion inhibitor
- Development of a suitable treatment scheme of common effluent generating from iron & steel, Thermal Power Plants and Chemical industries located in Durgapur industrial area.
- Development of natural fibre reinforced polyester composite material.

- Evaluation of Arsenic distribution through food chain contamination.
- Fluorescence Spectroscopy, Development of Fluorescence sensor
- Isolation, Purification, Characterization and Chemical Modification of Polysaccharide
- Kinetics and mechanism of inorganic and bioorganic reactions
- Kinetics and mechanistic investigation of cis-platin like systems with the bio- molecules and bio inorganic reactions: Their Bioactivity, Speciation and DFT study
- Lipid and fatty acids of different fish species
- Lipid Chemistry in the field of biodiesel production
- Lipids analysis from different biomaterials
- Organometallic chemistry
- Pollutants Present in Petro-Chemical, Pharmaceutical & Coke-Oven Wastewater.
- Protein structure and dynamics
- Quality and quantity of different lipids in natural food resources
- Spatial and Temporal Variations of Ambient Air Quality
- Surface Chemistry
- Synthesis and application of nanomaterials for the reduction of environmental contaminants
- Synthesis and Characterisation of Cu- & Fe complexes
- Treatment of Textile and Dye Wastewater

Department of Civil Engineering

- Analysis and design of offshore pipelines
- Bioremediation and Nanotechnology
- Contaminant migration through soil
- Development of Decision Support System for water resource management and
- Development of Smart Concrete Structures.
- Engineering Limnology
- Experimental mechanics of concrete structures, Biodeposition on concrete
- Experimental set up for formation of river bed form and erosion around an island flood mitigation of river Kosi system lying in India and Nepal
- Impact of Climate change on water resources in a natural stream
- Mix design of pumpable concrete
- Removal of heavy toxic metal from ground water using nanotechnology.
- Rural water management
- Setting up of a center of low-cost housing facilities.
- Solid waste management
- Structural reliability
- Wind energy Studies
- Pipe-soil interaction
- Reliability in Geotechnical Engineering
- Concrete Technologies
- Structural Control
- Soil-Structure Interaction

Department of Computer Science and Engineering

- Agent and Multi Agent System
- Biometrics
- Cellular Network
- Cloud Computing
- Computational Geometry
- Computational Social Science
- Computer Vision
- Cryptography and Cryptanalysis
- Cyber Security
- Data Mining
- Database Engineering
- Delay Tolerant Network
- Distributed Computing
- Emerging Nanoelectronics
- Evolutionary Computing
- Fault tolerant Architecture
- Fuzzy Decision Making
- Game Theory
- Generalization, regularization and Robust ANN
- Human Activity Recognition
- Human-Computer Interaction
- Image Categorization and Summarization
- Image Processing
- Internet of Things
- Machine Learning
- Mobile Computing
- Multi-objective Optimization
- Multiprocessor and Multicore Architecture
- Natural language Processing
- Optical Networks
- Optimization Using Genetic Algorithm
- Pattern Classification
- Peer to Peer Networks
- Quantum-dot Cellular Automata based design
- Reversible Computing
- Satisfiability Checking
- Semantic Web Technology
- Social Network Analysis
- Soft Computing
- Software Engineering
- Testing of digital logic circuit
- Text Categorization and Summarization
- Transportation Problem

- VLSI Design and Test
- Wireless Sensor Network

Department of Earth and Environmental Study

- Environmental impact on coal mining areas
- Groundwater availability and its management
- Groundwater contaminant transport and its removal
- Groundwater Management technique
- Impact of industrial pollution on the environment
- Removal of Fluoride from groundwater
- Use of remote sensing in detection of subtle and obscure geological structure
- Water and Wastewater treatment technology
- Water purification systems
- Arsenic remediation techniques
- Contaminant transport through porous media
- Heavy metal removal from wastewater
- Biological and pharmaceutical waste remediation strategies
- Air pollution control, modelling and remediation strategies

Department of Electrical Engineering

- AGC with renewable energy systems, FACTS and PSS in restructured power systems
- ELD, Evolutionary optimization techniques
- Electrical Power Systems State Estimation, Detection and Identification of bad data etc.
- Electromagnetic Levitation
- FACTS
- ICT enabled High Voltage Test system
- Investigation of Haematological disorders from blood cells using soft computing techniques
- Modelling of breakdown voltages using soft computing techniques
- On-line Monitoring of Partial Discharge in Transformer Oil
- Optimal Power Flow Studies
- Optimization in DSP Filter Designs
- Power System Stabilizer
- Price Forecasting
- Quantitative Feedback Control for Non-minimum Phase time Delayed systems
- Robust Design Power System Stabilizer for multimachine System
- Side Lobe Reduction in Antenna Arrays
- Small Signal Stability Analysis in Power Systems
- Synthesis and Characterization of Lanthanum Doped Barium Titanate Zirconate
- Unification of field forces and to explore some of the unanswered phenomena in nature and science
- Heart Rate Variability analysis
- Feature extraction of biological signals

Department of Electronics and Communication Engineering

- Antenna
- Antenna and Microwave Circuit components

- Antenna Array Synthesis using Evolutionary Algorithms
- Digital Signal processing
- Energy Harvesting
- Fractal Antenna Design Technique.
- Free space optics
- GaN Power Electronics
- MEMS
- Microwave and Optical Technology.
- Millimeter wave channel modelling
- Millimetre-wave
- Nanoscale Semiconductor Devices
- Power Line Communication
- Resistive Memory Devices
- RF and Microwave Engineering
- Satellite Communication.
- Semiconductor Process Technology
- Underwater Acoustic Communication
- VLSI
- Wireless Communication
- Wireless relays and space-time coding

Department of Humanities and Social Sciences

- Applied Econometrics
- Cinema
- Development Economics
- Development Studies
- Entrepreneurship and Innovation
- Financial Economics and Management
- International Economics
- Labour Economics
- Managerial Economics
- Mathematical Economics
- Open Economy Macroeconomics
- Operations Research
- Postcolonial Literature
- Religion

Department of Management Studies

- Application of DEA with various assumptions
- Banking Sector
- Education Management
- Employee Green Behaviour
- Environment Economics & Management
- Finance

- Green Management
- Human resource management
- Insurance
- Marketing
- Pension Sector
- Psychological Capital

Department of Mathematics

- Bio-mathematics
- Coding Theory
- Computational Graph Theory
- Cryptography
- Fixed Point Theory
- Finite Field Theory
- Fluid Dynamics
- Functional Analysis
- Fuzzy Mathematics
- Geophysics
- Hypergraph
- Information Theory
- Integration Theory
- Mathematical Modelling
- Nonlinear Dynamics
- Nonlinear Waves
- Operations Research
- Optimization of dynamics system,
- Plasma Physics
- Population Dynamics
- Portfolio Optimization
- Statistical Analysis
- Supply-chain Management
- Theoretical & Computational Fluid Dynamics
- Topology
- Uncertainty Theory

Department of Mechanical Engineering

- Additive manufacturing and 3D printing
- Analysis of bimodular composite material laminated structures
- Application of thermodynamic principle in heat transfer and fluid mechanics problems
- Enhancement in the Accuracy of Micro wire EDM
- Fundamental Principle of Thermodynamics viz., Constructal Law, Law of Motive Force.
- Micro-robotics
- Rehabilitation robotics
- Synthesis, characterization and analysis of Bio-Composites

Department of Metallurgical & Materials Engineering

- Corrosion fatigue/environmental assisted cracking of aluminium alloys and stainless steels and their weldments.
- Development of cast microalloyed steel.
- Development of TiC reinforced aluminium based metal matrix composite with and without a second reinforcement.
- Effect of cyclic heat treatment on microstructure and properties of various grades of plain carbon steels.
- High temperature corrosion behaviour of steel in Industrial environment
- Salt induced hot corrosion of nickel based super alloys.
- Semi-solid heat treatment of Al alloys.
- Design and development of nanocomposites for advanced electronic devices
- Synthesis and characterization of metallic glass matrix composite
- Structure-property correlation on ZrB₂ based ultra high temperature ceramic composite
- Mechanism of microstructural modification and subsequent improvement in properties by semi-solid heat treatment of some non-ferrous alloys.
- Thermo-mechanical processing of micro alloyed steels

Department of Physics

- Application of Carbon Nanostructures in dye sensitized solar cells
- Carbon nanotubes and graphene based metal oxide composites for supercapacitors
- Characterization of optical detector
- Development of epoxy nanocomposites reinforced with graphene nanoplatelets
- Development and characterization of nanomaterials using laser
- Fabrication & characterization of Graphene based gas sensors
- Fabrication of nanowire and optical detector
- Glancing angle and oblique angle deposition technique for nanostructure fabrication
- Graphene and high energy physics
- Green synthesis of nanoparticles.
- Green Synthesis of Carbon-based Nanomaterials and Nanocomposites
- Interface and load transfer in carbon nanoparticle based epoxy nanocomposites
- Investigation on Geochemical and Geophysical Aspect for Geothermal Exploration and Helium Exploration.
- Investigation on Multi-parametric and Multi-station based Geochemical Precursors for Earthquakes.
- Investigation on Nonlinearity present in Earthquake Precursory Signals.
- Large scale Extraction of helium from petroleum deposits and hydrothermal gas and its purification.
- Mathematical modeling and nonlinear analysis of geochemical & geophysical data and medical data (EEG signals)
- Integrated and sustainable technology solutions for organic wastewater treatment
- Investigation on Geochemical and Geophysical Aspect for Geothermal Exploration and Helium Exploration.
- Investigation on Multi-parametric and Multi-station based Geochemical Precursors for Earthquakes.
- Investigation on Nonlinearity present in Earthquake Precursory Signals
- Large scale Extraction of helium from petroleum deposits and hydrothermal gas and its purification
- Preparation and characterization of advanced polymer composites with carbon nanostructures
- Reliability prediction studies of lead free solder joint interface used in electronics & microelectronics applications

- Studies of the effect of electric and magnetic fields on liquid crystals by polarizing light microscopy
- Studies on phenomenology of - Boson, B-meson decays and new physics.
- Synthesis of various nanostructures for photocatalysis applications.
- Synchronous communication system, studies on multiphase oscillator, nonlinear dynamics
- Synthesis and Characterization and Study of Optical and Nonlinear Optical Properties of Semiconducting and Metallic Nanoparticles and Quantum Dots
- Synthesis and characterization of nanostructured materials
- Synthesis and properties of carbon nanotube reinforced polymer nanocomposites
- Synthesis of metal nanoparticles by laser ablation and study of optical properties
- Synthesis, Optical and Nonlinear Optical Properties of Semiconducting, Metallic Nanoparticles and Nanocomposites, and Carbon Quantum Dots.
- Theoretical study of Higgs boson, massive neutrinos, black holes, dark matter and dark energy
- Theoretical study of electronic, mechanical and thermal properties of graphene.

Annexure-11.4(i) Testing & Consultancy services rendered during 2016-17

Department of Civil Engineering

Department	Title of the Project	Amount (Total)
Civil Engineering	Technical advisory services for pipe line casing / protection for M/s GEECL Ltd.	0.75 Lakhs
Civil Engineering	Mix design of concrete for M/s B & R Ltd. Durgapur	1.295 Lakhs
Civil Engineering	Vetting of launching(trestle & launching girder) scheme for Bridge No. 423A & 439A over on Sambalpur-Titlagarh doubling project for M/s Rahee Infotech Ltd.	0.575 Lakhs
Civil Engineering	M50 Mix design for heavy duty paver block for Container Corporation of India for M/s MB Builders at Haldia	0.517 Lakhs
Civil Engineering	Geotechnical Report for proposed trauma clinic at Durgapur for Dr. Dipankar Sen	1.1 Lakhs
Civil Engineering	Mix Design of Concrete for Neelam Construction Ltd.	1.55 Lakhs
Civil Engineering	Design of m/c foundation for IOCL	0.4 Lakhs
Civil Engineering	Vetting of launching(trestle & launching girder) scheme for Hosngabad-Narmada doubling project for M/s Rahee Infotech Ltd.	1.15 Lakhs

11.5(a) Number of Faculty in position

Name of Department	Professor	Associate Professor	Assistant Professor	Asstt. Professor (Contractual)	Trainee Teacher
	In position	In-position	In position	In position	In position
Biotechnology	02	04	04	01	-
Chemical Engg	06	02	03	01	-
Chemistry	01	05	03	01	-
Civil Engineering	07	04	06	-	01
Computer Science & Engineering Computer Centre	01 00	07 00	20 02	01	-
Electrical Engg	06	04	05	01	01
Electronics & Communication Engineering	05	03	06	-	-
Earth & Environmental Science	01	01	Nil	01	-
Humanities & Social Science	01	00	03	-	-
Management Studies	01	02	05	01	-
Mathematics	01	02	06	-	-
Mechanical Engineering	06	08	10	-	02
Metallurgical & Materials Engg.	02	04	06	01	-
Physics	02	01	05	-	-
T.P.S.W	00	-	-	-	-
Total	42	47	84	08	04

Annexure-11.5(b) List of Faculty**Department of Biotechnology**

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Aikat Kaustav, Ph.D.	Associate Professor	Microbial Biotechnology and Biochemical Engineering	kaustav.aikat@bt.nitdgp.ac.in aikatk@yahoo.co.in
Bhattacharjee Ashish, Ph.D.	Ramalingaswami Fellow, Govt. of India (Scientist D)	Cell Biology, Molecular mechanism of Inflammation and Cancer, Cell Signaling	ashish.bhattacharjee@bt.nitdgp.ac.in ashish15lo@yahoo.com
Chattopadhyay Sudip, Ph.D.	Professor	Developmental Biology and signal transduction	sudip.chattopadhyay@bt.nitdgp.ac.in sudipchatto@yahoo.com
Chaudhuri Surabhi, Ph.D.	Associate Professor	Biochemical Engineering, Food Biotechnology	surabhi.chaudhuri@bt.nitdgp.ac.in surabhi_c@yahoo.com
Dasgupta Mandal Dalia, Ph.D	Associate Professor	Molecular toxicology, Bioremediation, Drug delivery system	dalia.dasgupta@bt.nitdgp.ac.in dasguptadalia@yahoo.com
Dey Apurba, Ph.D.	Professor	Biochemical Engineering, Environmental Biotechnology	apurbadey1960@gmail.com apurbadey2003@yahoo.co.in
Dutta Debjani, Ph.D.	Assistant Professor	Food Biotechnology, Biochemistry, Microbial Biotechnology	debjani.dutta@bt.nitdgp.ac.in debs_2000in@yahoo.com

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Ghosh Monidipa, Ph.D.	Assistant Professor	Immunobiology of antigen presenting cells, Host cell – parasite interaction, and Nano Medicine, Biomarkers Assessment	gmonidipa@yahoo.com
Kazy Sufia Khannam, Ph.D.	Assistant Professor	Environmental Microbiology, Bioremediation, Microbial Genomics and Metagenomics	sufia.kazy@bt.nitdgp.ac.in sufia_kazy@yahoo.com
Mahata Nibedita, Ph.D.	Assistant Professor	Biochemistry, Cell Biology, and Immunology	nibedita.mahata@gmail.com nibedita.mahata@bt.nitdgp.ac.in
Mukhopadhyay Sudit Sekhar, Ph.D.	Associate Professor	Molecular Biology of Cancer, Human Genetics, Animal Biotechnology	suditmukhopadhy@yahoo.com
Roy Barman Subhankar, Ph.D.	Assistant Professor	Molecular plant – fungus interactions, Plant molecular biology	subhankarroy.barman@bt.nitdgp.ac.in sroybarman@gmail.com

Department of Chemical Engineering

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Das Bimal, Ph.D.	Assistant Professor	Fluidization, Multiphase Flow Adsorption, Environment	bimal.das@che.nitdgp.ac.in bimal_30@yahoo.com
Dutta Susmita, Ph.D.	Associate Professor	Environmental Engineering, Biochemical Reaction Engineering	susmita.dutta@che.nitdgp.ac.in susmita_che@yahoo.com
Ghanta Kartik Chandra, Ph.D.	Professor	Multiphase Flow, Slurry Flow Modelling	kartik.ghanta@che.nitdgp.ac.in kcghanta@yahoo.com kartikghanta@gmail.com
Gupta Parthapratim, Ph.D.	Professor	Mathematical Modelling, Combustion & Gasification of Coal & Biomass	parthapratim.gupta@che.nitdgp.ac.in parthgupta2000@yahoo.com
Halder Gopinath, Ph.D.	Associate Professor	Chemical Engg Thermodynamics, Process Heat Transfer, Environmental Energy	gopinath_haldar@yahoo.co.in gopinathhaldar@gmail.com
Mandal Mrinal Kanti, Ph.D.	Assistant Professor	Membrane Separation Processes Petroleum Refinery, Mass Transfer Operation, Modeling, Simulation and Optimization of Process Design	mrinalmandal@gmail.com mrinal_ml78@yahoo.co.in
Mandal Tamal, Ph.D.	Professor	Environmental Bio-Engineering, Bio-Reaction Engineering	tamal.mandal@che.nitdgp.ac.in tamal.nitdgp@gmail.com; tamal_mandal@yahoo.com
Pal Parimal, Ph.D.	Professor	Process Intensification through membrane technology, Industrial wastewater treatment, Arsenic removal technology development, Mass Transfer	parimal.pal@che.nitdgp.ac.in parimalpal2000@yahoo.com
Paruya Swapan, Ph.D.	Assistant Professor	Boiling Two-phase Flow, Optimization & Control	swapan.paruya@che.nitdgp.ac.in swapanparuya@rediffmail.com

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Sadhukhan Anup Kumar, Ph.D.	Professor	Modelling and Simulation of Pyrolysis, Combustion and Gasification of Coal and Biomass	anupkumar.sadhukhan@che.nitdgp.ac.in t_sadhu@yahoo.com
Sarkar Jyoti Prakash, Ph.D.	Professor	Fluidization, Multiphase Flow, Mass Transfer (Spl. Interest: Solid waste management & Energy Management)	jyotiprakash.sarkar@che.nitdgp.ac.in jp_sarkar@yahoo.co.in
Sikder Jaya, Ph.D.	Assistant Professor	Membrane Synthesis, Biofuels and byproducts, Photocatalysis, Process Optimization, Fermentation	jaya.sikder@che.nitdgp.ac.in umuniqueme1@gmail.com

Department of Chemistry

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Adhikari Utpal, PhD	Assistant Professor	Carbohydrate chemistry, Organic synthesis	utpal.adhikari@ch.nitdgp.ac.in utpalshuchi1@gmail.com
Chakrabarty Jitamanyu, PhD	Assistant Professor	Lipid Chemistry, Food Chemistry, Analytical Chemistry, Cryobiology	jitamanyu.chakrabarty@ch.nitdgp.ac.in jito19@gmail.com
Maji Milan, PhD	Associate Professor	Coordination Chemistry, Inorganic materials	milan.maji@ch.nitdgp.ac.in milan_maji@yahoo.co.in
Moi Sankar Chandra, PhD	Associate Professor	Kinetics and mechanism of biologically important Inorganic substitution reaction	sankar.moi@ch.nitdgp.ac.in sankarmoi67@yahoo.com
Mukhopadhyay Bishnu Prasad, PhD	Professor	Bioinformatics – Protein Modelling, Molecular Modelling, Computer Aided Drug Design, Cancer (human) inhibitor Design, Protein Dynamics	bisnu.mukhopadhyay@ch.nitdgp.ac.in bpmk2@yahoo.com
Panja Sujit Sankar, PhD	Assistant Professor	Fluorescence Spectroscopy Development of sensor	sujit.panja@ch.nitdgp.ac.in Sujit.panja@gmail.com
Patra Apurba Kumar, PhD	Associate Professor	Inorganic Chemistry relevant to biology	apurba.patra@ch.nitdgp.ac.in apurba_69@yahoo.com
Saha Rajnarayan, PhD	Associate Professor	Inorganic Chemistry, Environmental Chemistry, Water and wastewater Treatment, Environmental Management	rajnarayan.saha@ch.nitdgp.ac.in rajusaharupa@yahoo.com
Saha Tanmoy Kumar, Ph.D	Assistant Professor	Organometallic chemistry; Design & Synthesis of Schiff base-Transition Metal Complexes and Their Potentials towards Chemical and Biological Activities	tanmoy.saha@ch.nitdgp.ac.in chem.tanmoy@gmail.com
Sukul Dipankar, PhD	Associate Professor	Ultra fast laser spectroscopy and Electrochemistry	dipankar.sukul@ch.nitdgp.ac.in dipankar.sukul@gmail.com

Department of Civil Engineering

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Banik Atul Krishna, PhD	Associate Professor	Dynamics of Nonlinear Flexible Systems under Deterministic and Stochastic Excitation, Stability of Compliant Offshore Structures, Dynamics of Nonautonomous Delayed System	atulkrishna.banik@ce.nitdgp.ac.in akbanik@gmail.com
Bhattacharya Kamal, PhD	Professor	Earthquake Engineering, Foundation Engineering	kamal.bhattacharyya@ce.nitdgp.ac.in
Bhattacharyya Soumya, PhD	Associate Professor	Environmental Engineering	soumya.bhattacharyya@ce.nitdgp.ac.in
Das Amlan, PhD	Professor	Water Resources Engineering	amlan.das@ce.nitdgp.ac.in
Das Diptesh, PhD	Assistant Professor	Earthquake Engineering, Structural Dynamics, Structural Control	diptesh.das@ce.nitdgp.ac.in d_diptesh@yahoo.com
Datta Alope Kumar, PhD	Associate Professor	Earthquake Engineering, SHM	alokekumar.datta@ce.nitdgp.ac.in
Dwivedi Vijay Kumar, PhD	Professor	Water Resources Engineering	vijaykumar.dwivedi@ce.nitdgp.ac.in vkdwivedi10725@yahoo.co.in
Karmakar Somnath	Assistant Professor	Structural Engineering	somnath.karmakar@ce.nitdgp.ac.in
Nanda Radhikesh Prasad, PhD	Associate Professor	Repair and retrofitting, Disaster management, Earthquake resistant masonry buildings	rpnanda@gmail.com
Pal Supriya	Assistant Professor	Soil Mech & Foundation Engineering	supriya.pal@ce.nitdgp.ac.in supriya_pal@rediffmail.com
Roy Pronab PhD	Assistant Professor	Structural Engineering, Structural Reliability, Probability and Applied Statistics, Analysis and Design of offshore Pipelines, Pipe-soil interaction	pronab.roy@ce.nitdgp.ac.in pronabroy@rediffmail.com
Ray Purnendu, PhD	Professor	Structural Engineering	purnendu.ray@ce.nitdgp.ac.in
Saha Showmen, PhD	Professor	Struct. Engg. & Concrete Structure, Smart Material	soumen.saha@ce.nitdgp.ac.in
Samal Nihar Ranjan, PhD	Assistant Professor	Soft computing, Water & wastewater treatment, Climate change analysis & Sustainability, Risk analysis and urban flooding	nihar.samal@ce.nitdgp.ac.in nihar_samal@yahoo.co.in
Samanta Amiya Kumar, PhD	Associate Professor	Comp. & exp. Mechanics of Concrete/composite structures	amiyak.samanta@ce.nitdgp.ac.in aksnitd@gmail.com
Singha Roy Dilip Kumar, PhD	Professor	Structural Engineering-Composite & Experimental mechanics of Concrete and Composite structures/retrofitting & strengthening and Concrete technology with conventional & non-conventional materials	dsr_rec_dgp@yahoo.com dilip.singharoy@ce.nitdgp.ac.in
Topdar Pijush, PhD	Assistant Professor	Smart structures, composite and sandwich structures, structural rehabilitation and structural health monitoring	pijush.topdar@ce.nitdgp.ac.in, topdar72@yahoo.co.uk

Department of Computer Science and Engineering

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Bhattacharya Sanghita, PhD	Assistant Professor	Mobile Computing, Mobile Networks, QoS analysis in mobile networks	sanghita.b@gmail.com
Chakraborty Baisakhi, PhD	Assistant Professor	DBMS, Case Based Reasoning, KMS	baisakhi.chakraborty@it.nitdgp.ac.in baisakhichak@yahoo.co.in 2baisakhichakraborty@gmail.com
Chandran Saravanan, PhD	Assistant Professor	Image Processing, Biometrics,	cs@cse.nitdgp.ac.in, dr.cs1973@gmail.com
Changder Suvamoy, PhD	Assistant Professor	Information Security, Machine Learning, Computer Vision and Computational Photography	suvamoy.changder@ca.nitdgp.ac.in, suvamoy.nitdgp@gmail.com
Chatterjee Rajib	Assistant Professor	Software Engineering, Multi Agent Systems	chatterjee.rajib@gmail.com
Choudhury Prasenjit, PhD	Assistant Professor	Data and complex network analysis routing layer security in wireless network	prasenjit0007@yahoo.co.in, pcnitdgp@gmail.com
Choudhury Subhrabrata, PhD	Associate Professor	Communication Networks, Computational Social Science	subhrabrata.choudhury@it.nitdgp.ac.in
Dalui Mamata, PhD	Assistant Professor	Multiprocessor and Multicore Architecture, VLSI Design and Test, Theory and Applications of Cellular Automata	mamata.06@gmail.com mamata_dalui@rediffmail.com
Das Deepanwita, PhD	Assistant Professor	Distributed Algorithms, Swarm Robotics	deepanwita.das@it.nitdgp.ac.in
Das Suvrojit, PhD	Assistant Professor	System Security	suvrojit.das@gmail.com
De Tanmay, PhD	Associate Professor	Optical Network, Wireless Sensor Network, Delay Tolerant Network	tanmayd12@gmail.com tanmay.de@cse.nitdgp.ac.in
Dutta Animesh, PhD	Assistant Professor	Agent and Multi Agent System, Semantic Web, Social Network Analysis	animeshnit@gmail.com animesh.dutta@it.nitdgp.ac.in
Guha Thakurta Parag Kumar	Assistant Professor	Mobile Computing	paragkumar.guhathakurta@cse.nitdgp.ac.in
Howlader Jaydeep, PhD	Assistant Professor	Cryptography, Cryptanalysis, Theory of Computation	jaydeep.howlader@it.nitdgp.ac.in
Jana Nanda Dulal	Assistant Professor	Metaheuristic Algorithms, Soft Computing, Machine Learning, Bioinformatics, Optimization	nanda.jana@gmail.com nandadulal.jana@it.nitdgp.ac.in
Kisku Dakshina Ranjan, PhD	Assistant Professor (On Contract)	Biometrics, Human Activity Recognition, Machine Vision, Pattern Recognition, Machine Learning, Digital Forensics	drkisku@cse.nitdgp.ac.in drkisku@gmail.com
Majhi Subhankar	Assistant Professor	VLSI	subhankar_nitd@hotmail.com skm.it.nitd.edu@gmail.com
Mitra Debasis, PhD	Assistant Professor	Computer-aided design and testing of digital microfluidic biochips	debasis.mitra@it.nitdgp.ac.in debasis.mitra@gmail.com

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Mukhopadhyay Sajal, PhD	Assistant Professor	Algorithmic game theory and its applications.	sajmure@gmail.com sajal.mukhopadhyay@it.nitdgp.ac.in
Nandi Debashis, PhD	Associate Professor	Computer Vision	debashis.nandi@it.nitdgp.ac.in debashisn2@gmail.com
Nandi Subrata, PhD	Associate Professor	Peer to Peer Networks	subrata.nandi@cse.nitdgp.ac.in subrata.nandi@gmail.com
Pal (DebRay) Tandra, PhD	Associate Professor	Soft Computing, Machine Learning, Fuzzy Decision making, Optimization Using Genetic Algorithm, Swarm Intelligence	tandra.pal@cse.nitdgp.ac.in tandranit@yahoo.com
Roy Suchismita, PhD	Associate Professor	Algorithms in VLSI Design and Test, Satisfiability Checking	suchismita.roy@cse.nitdgp.ac.in suchismita27@yahoo.com
Sharma Abhijit, PhD	Assistant Professor	Mobile Computing	abhijit.cst@gmail.com abhijit.sharma@ca.nitdgp.ac.in
Sarkar Anirban, PhD	Assistant Professor	Software Engineering, Database Engineering, Cloud Computing	sarkar.anriban@gmail.com
Sadhu Sanjib	Assistant Professor	Computational Geometry	sanjib.sadhu@cse.nitdgp.ac.in sanjibsadhu411@gmail.com
Saha Mousumi, PhD	Assistant Professor	VLSI Design and Testing Cellular Automata Visible Light Communication Embedded System Switching Theory	msaha.nitd@gmail.com
Saha Sujoy, PhD	Assistant Professor	Urban Computing Internet of Things Network Modelling and Analysis in Challenged Environment Environment Monitoring & Prediction Activity Recognition Visible Light Communication Energy Aware Model Design in Delay Tolerant Networking	Sujoy.saha@ca.nitdgp.ac.in sujoy.ju@gmail.com
Sanyal Goutam, PhD	Professor and HOD	Computer Vision, Computer Network, Information Security, Mathematical Modeling	goutam.sanyal@cse.nitdgp.ac.in nitgsanyal@gmail.com hod@cse.nitdgp.ac.in
Sarkar Anirban, PhD	Assistant Professor	Software Engineering, Database Management System, Object Oriented System, Data Warehousing And Data Mining, XML Technologies.	sarkar.anriban@gmail.com
Sarker Goutam, PhD	Associate Professor	Face and Facial Expression Identification. Text and Image Categorization and Summarization, Voice Recognition.	goutam.sarker@cse.nitdgp.ac.in sarkergoutam@yahoo.co.in g_sarker@ieee.org
Sen Bibhash, PhD	Assistant Professor	QCA based design, VLSI	bibhash.sen@cse.nitdgp.ac.in bibhash.sen@gmail.com

Department of Earth and Environmental Studies

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Adhikari Kalyan, PhD	Associate Professor & Head	Groundwater, Environment	k_adh@yahoo.com
Gangopadhyay Aniruddha, PhD	Professor, Dean (FA)	Environment, Structural Geology	anijth@yahoo.com
Mondal Sandip, PhD	Assistant Professor	Environment, Groundwater Contaminant Transport and its Removal, Pollutants removal from water and wastewater	sa.mondal@gmail.com

Department of Electrical Engineering

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Ghoshal Shakti Prasad, PhD	Professor	Power Systems, Soft Computing, Antenna Design, DSP Optimization, VLSI Optimization	saktiprasad.ghoshal@ee.nitdgp.ac.in spghoshalnitdgp@gmail.com
Datta Swapan Kumar, PhD	Professor	Electrical Machines & Drives	swapan.dutta@ee.nitdgp.ac.in skd_nit_ee@yahoo.co.in
Thakur Siddhartha Shankar, PhD	Professor	Power Systems	siddhartha.thakur@ee.nitdgp.ac.in sst_nit_ee@yahoo.co.in
Ray Nirmal Kumar, PhD	Professor	High Voltage Engineering, Simulation of Magnetic fields, e-governance, Application of ICT in High Voltage Engineering	nirmalkumar.roy@ee.nitdgp.ac.in roy_nk2003@yahoo.co.in
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Mahato Sankar Narayan, PhD	Associate Professor	Electrical Machines & Drives	sankar.mahato@ee.nitdgp.ac.in snmrec@yahoo.co.in
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Das Avinandan, PhD	Assistant Professor	Electrical Machines	avinandan.das@ee.nitdgp.ac.in

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Sarkar Supriya, PhD	Assistant Professor	Power Systems	supriya.sarkar@ee.nitdgp.ac.in
Halder Suman, PhD	Assistant Professor	Measurement & Instrumentation, Biomedical Instrumentation	suman.halder@ee.nitdgp.ac.in sum_hal@yahoo.co.in
Dey Rajdeep, PhD	Trainee Teacher	Power Electronics	dey.raj09@gmail.com

Department of Electronics & Communication Engineering

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Bhattacharjee Anup Kumar, PhD	Professor and Dean (S/W)	Cryptography, Antenna, Microwave	anupkumar.bhattacharaya@ece.nitdgp.ac.in akbece12@yahoo.com
Chandra Aniruddha, PhD	Assistant Professor	Wireless Communication	aniruddha.chandra@ece.nitdgp.ac.in aniruddha_chandra@yahoo.co.in
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Ghatak Rowdra, PhD	Professor and Head	Microwave, Antenna	rowdraghatak@yahoo.com
Kar Rajib , PhD	Assistant Professor	Interconnect modelling	rajib.kar@ece.nitdgp.ac.in rajibkarece@gmail.com
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Maji Banshi Badan, PhD	Professor	Microwave, Electronics Devices, Electromagnetics	banshibadan.majhi@ece.nitdgp.ac.in
Majumder Aurpan	Assistant Professor	Image Processing, Communication, Pattern Recognition	aurpan.majumder@ece.nitdgp.ac.in reach2am@yahoo.com
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Department of Humanities and Social Sciences

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
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Sengupta, Partha Pratim	Professor	International Economics, Development Economics, Managerial Economics	parthapratim.sengupta@hu.nitdgp.ac.in pps42003@yahoo.com

Department of Management Studies

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
Bandyopadhyay, G., PhD	Associate Professor	Optimisation Techniquet, Data Mining in Business Research	math_gb@yahoo.co.in
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De, Anupam, Ph.D.	Assistant Professor	Corporate Finance, Capital Structure Issues, Working Capital Management, Financial Ratio Analysis, Capital Budgeting, Banking and Insurance, Behavioural Finance	anupamde.ca@gmail.com; anupam.de@dms.nitdgp.ac.in
Dutta, A., PhD	Associate Professor	Capital Market, Financial Markets	avijand@yahoo.com
Ghosh Amlan, PhD	Assistant Professor	Banking, Insurance and Pension sector along with MFIs and Post Offices.	amlan.ghosh@dms.nitdgp.ac.in amlanpost@gmail.com
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Professor Roy Mousumi PhD	Professor	Knowledge Management, ICT Management, Marketing Management, Sustainable development & Management, Environmental Management	roydrmousumi@yahoo.co.in
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Department of Mathematics

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Bagchi Satya, Ph D	Assistant Professor	Algebra, Cryptography. Coding Theory.	satya.bagchi@maths.nitdgp.ac.in satya5050@gmail.com
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Dey Lakshmi Kanta, PhD	Assistant Professor	Fixed Point Theory, Proximity Theory, Real Analysis, Topology, Nonlinear Analysis	lakshmikanta.dey@maths.nitdgp.ac.in lakshmikdey@yahoo.co.in
Kar Samarjit, PhD	Associate Professor	Fuzzy Mathematics, Optimization, Portfolio Management	samarjit.kar@maths.nitdgp.ac.in kar_s_k@yahoo.com
Maitra Sarit, PhD	Assistant Professor	Nonlinear waves, Mathematical Ecology	sarit2010.nt@gmail.com
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Pal Pinaki, PhD	Assistant Professor	Nonlinear Dynamics, Instabilities in Rayleigh Benard convection ,Complex Dynamical Systems	pinaki.math@gmail.com, pinaki.pal@maths.nitdgp.ac.in
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Sarkar (Mondal) Seema, PhD	Associate Professor	Operations Research, Statistical Analysis, Supply chain Management, Portfolio optimization, Geophysics.	seema.sarkar@maths.nitdgp.ac.in

Department of Mechanical Engineering

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
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Barman Rabindra Nath, PhD	Assistant Professor	Fluid Mechanics, Hydraulics, Heat Transfer, CFD	rn.barman@me.nitdgp.ac.in, rahul.barman@yahoo.co.in
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De Jagannath	Assistant Professor	Modelling and simulation of mechanical systems, Machine tools	Jagannath_de@yahoo.co.in
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Name	Designation	Areas of Research Interest	Email id (Institute & other id)
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Puri Asit Baran, PhD	Associate Professor	Non-conventional Machining Processes	asitbaran.puri@me.nitdgp.ac.in abpuri2000@yahoo.co.in
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Saha Anup Kumar, PhD	Professor	Vehicle Dynamics, Machine Dynamics, Bond graph Modeling, Biomechanics	anupkumar.saha@me.nitdgp.ac.in saha_ak2001@yahoo.co.in

Department of Metallurgical & Materials Engineering

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Bhattacharyya Ashish, PhD	Associate Professor	Foundry, Mechanical Testing, Nano-Composites	profab@mms.nitdgp.ac.in abnitd@yahoo.co.in
Ghosh Karuna Sindhu, PhD	Professor	Corrosion, Physical Metallurgy, Welding	karunasindhu.ghosh@mms.nitdgp.ac.in ksgghosh2001@yahoo.co.uk
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Department of Physics

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Kumbhakar Pathik, PhD	Professor & Head (March 2016 to July 2016)	Nanophotonics, Nonlinear Optics, 2D Materials, PD Sensor, Gas Sensor	pathik.kumbhakar@phy.nitdgp.ac.in p.kumbhakar@gmail.com

Name	Designation	Areas of Research Interest	Email id (Institute & other id)
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Mondal Mrinal Kanti, Ph. D.	Assistant Professor	Electronics	mrinalkanti.mandal@phy.nitdgp.ac.in nitmkm@yahoo.co.in
Sahoo Sukadev, Ph. D.	Assistant Professor	Theoretical High Energy Physics, boson phenomenology, B meson decays	sukadev.sahoo@phy.nitdgp.ac.in sukadevsahoo@yahoo.com
Chaudhuri Hirok, Ph.D	Assistant Professor	Exploration of Large Scale Extraction of Helium from Geothermal Areas and Petroleum Deposits.Exploration of Geothermal Power at Bakreswar-Tantloi Geothermal Area.Monitoring of Earthquake Precursors (Geophysical & Geochemical Techniques.Nonlinear Analysis of geochemical and geophysical data	hirok.chaudhuri@phy.nitdgp.ac.in,
Mondal Aniruddha, Ph.D	Assistant Professor	Fabrication of 1d metal oxide semiconductor nanostructure by using glancing angle deposition technique and fabrication of UV-Vis detector, plasmonic detector, hybrid semiconductor detectors.	aniruddha.mondal@phy.nitdgp.ac.in, aniruddhamo@gmail.com

Department of Training Placement and Students' Welfare

Sl. No	Name of the post	Name
01	Professor	Nil

Annexure – 11.5(c) New appointment of faculty during the year

Sl.No	Name	Department	Designation	Date of Joining
	Nil			

Annexure – 11.5(d) Retirement, Resignation and Voluntary Retirement of faculty during the year

Sl.No	Name	Department	Designation	Date of retirement/ Resignation
1	Narayan C.M	Chemical Engg.	Professor	31.07.2016
2	De Ashis	ECE.	Assoc. Prof.	31.08.2016
3	Mondal D.K	Met. & Mat. Engg.	Professor	31.10.2016

Annexure-11.6(a) List of Officers

Registrar	Nijjar A.S (Brig.)	Deputy Librarian	Vacant
Deputy Registrar	Chattopadhyay Alope Kr. Kumar Asit Mukherjee Uday Chandra Ray Dhrubajyoti	Assistant Librarian	Kumar Jitendra
		Workshop	
		Superintendent	Vacant
		Registrar's Secretariat	
Assistant. Registrar	Bhattacharya Sayan Das Ashutosh Mondal Debasish Sardar Amiya Kumar	Technical Officer	R.N. Krishnaraj (on EOL) Saha Santosh Kr. (looking after Technical Cell)
		Medical Unit-cum-Hospital	
Executive Engineer	Halder Tanmay	Senior Medical Officer	Sarkar Banhi Kumar (Dr.)
Administrative Officer	Sinha Sanat Kumar	Medical Officer(s)	Patra Sucharita (Dr.) Pravabati G.(Dr.)
Physical Training Instructor	Mukherjee Hillol		
Library		Estate Section	
Librarian	Vacant	Security Officer	Bhagat Ajit Kumar

Annexure-11.6(b) In position posts of officers and number in position

	Sanctioned	In position
Registrar	1	1
Dy. Registrar	4	4
Asstt. Registrar	7	4
Librarian	-	vacant
Dy. Librarian	1	-
Assistant Librarian	1	1
Principal SAS Officer	1	vacant
Sr. SAS Officer	1	vacant
SAS Officer	1	vacant
Principal Scientific/Technical Officer	2	vacant
Sr. Scientific/Technical Officer	-	vacant
Scientific/Technical Officer	3	3
Superintendent Engineer	1	vacant
Executive Engineer(Elect/Civil)	2	1
Senior Medical Officer	1	1
Medical Officer	2	2
Security Officer	1	1
Physical Training Inst.	-	1
Administrative Officer	-	1
	29	19

Annexure-11.6(c) Number of technical & administrative staff members

1. Cleaner	01
2. Driver	01
3. Dup. Machine Operator	01
4. Head Asstt.	01
5. Hostel Cook	02
6. Laboratory Assistant	03
7. Laboratory Attendant	04
8. Library Assistant	01
9. LDA/Jr. Assistant	24
10. Mali	01
11. Mazdoor	01
12. Office Peon/Helper	23
13. Pharmacist	01
14. Staff Nurse	01
15. Sweeper	05
16. Skilled Staff	07
17. Technical Assistant	38
18. Technician	03
19. UDC/Senior Assistant	12
20. Watchman	01
21. Workshop Asstt.	01

Annexure-11.6(d) New Recruitment of Staff

Sl.No	Name	Department	Designation	Date of Joining
01	Mishra Gobinda	Chemical Engg.	Lab. Assistant	10.02.2016

Annexure-11.6(e) Retirement, Resignation, Death and Voluntary Retirement of Staff during the year

Sl. No	Name	Department/Section	Designation	Date of Retirement
1	Banerjee Milan	Cash	LDA	31.08.2016
2	Chatterjee Sadananda	CSE	Sr. Asstt.	31.01.2017
3	Dutta Goutam	Workshop	Tech. Officer	30.09.2016
4	Gope Bimal Ch.	Academic	LDA	31.12.2016
5	Ganguly Ram Pranay	Civil Engg.	Jr. Engg.	28.02.2017
6	Garai Badal Ch.	Academic	LDA	31.01.2017
7	Hazra Pankaj	Estate	Watchman	31.07.2016
8	Laha Panchanan	General Store	Sr. Asstt.	28.02.2017
9	Orang Sahadev	Maintenance	Helper	31.12.2016
10	Sarkar Sukumar	Electrical Engg.	Lab. Assistant	31.12.2016
11	Show Purusottam	ME	Helper	28.02.2017

Annexure – 11.7(a) Faculty deputed on QIP (doctoral programme) during this period

None

Annexure–11.7(b) Seminars, summer/winter schools, short term courses attended by faculty members during 2016-17**Department of Biotechnology**

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1.	Aikat, Kautav	3rd World Summit on Accreditation (WOSA 2016)	National Board of Accreditation during	March 18-20 2016
2.	Aikat, Kautav	TEQIP-II sponsored faculty development program on pedagogy	NIT Durgapur	March 24-25, 2017
3.	Aikat, Kautav	TEQIP-II sponsored Management Training Program (MTP)	NIT Durgapur	March 2-4, 2017
4.	Chaudhari, Surabhi	TEQIP-II sponsored faculty development program on pedagogy	NIT Durgapur	March 24-25, 2017
5.	Dasgupta Mandal, Dalia	TEQIP-II Sponsored Workshop on. Academic Environment In Higher Technical Education: Future Perspectives	Dept. of Chemical Engineering, NIT, Jalandhar	Sep 30- Oct 1, 2016
6.	Dasgupta Mandal, Dalia	The World Sustainable Development Summit (WSDS) 2016	The Energy and Resources Institute, New Delhi	October 5-8, 2016
7.	Dasgupta Mandal, Dalia	TEQIP-II sponsored Management Training Program (MTP)	NIT Durgapur	March 2-4, 2017
8.	Ghosh, Monidipa	TEQIP-II sponsored faculty development program on pedagogy	NIT Durgapur	March 24-25, 2017
9.	Kazy, Sufia Khannam	TEQIP-II sponsored faculty development program on pedagogy	NIT Durgapur	March 24-25, 2017
10.	Mahata, Nibedita	TEQIP-II sponsored Management Training Program (MTP)	NIT Durgapur	March 2-4, 2017
11.	Mahata, Nibedita	TEQIP-II sponsored faculty development program on pedagogy	NIT Durgapur	March 24-25, 2017

Department of Chemical Engineering

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1	Tamal Mandal	“A Comprehensive Utilization of Rice Husk Ash (RHA)” on short term course EMERGING TRENDS OF WASTE MANAGEMENT AND VALORIZATION (ETWMV-2016)	Department of Chemical Engineering, NIT, Durgapur	July 8-12, 2016
2	Tamal Mandal	“Challenges and emerging opportunities for the treatment of rice mill effluent: A platform for the conversion of waste to energy and value-added products”	Chandigarh, India	2nd Oct 2016
3	Bimal Das	Faculty Development Program on Pedagogy	NIT, Durgapur	24-25TH March, 2017
4	Bimal Das	Global Initiative of Academic Network”(GIAN,2016)	NIT, Durgapur	21-27th Nov, 2016
5	Bimal Das	Green Chemistry-Challenges and Technology Opportunities in India	Dr. B.C. Roy Engg. College, Durgapur	9th Sept., 2016
6	Bimal Das	Modern Petroleum Industry and its Challenges”, under Professional Development Programme	ISM, Dhanbad	01-05th August, 2016
7	Bimal Das	Novel Catalyst for Industrial Use”, under TEQIP, Ministry of HRD, Govt, of India	IIT, Guwahati	24-26th August, 2016
8	Tamal Mandal	Recovery of value added products from “Rice husk ash to explore an economic way for recycle and reuse of agricultural waste	Department of Chemical Engineering, NIT, Durgapur	July 8-12, 2016

Department of Chemistry

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1	Adhikari U.	ICRCS-2017 International Conference on recent trends in Chemical Sciences	Govt. Engineering College, Bikaner, Rajasthan and Indian Chemical Society	12 – 13th January, 2017
2	Adhikari U.	Faculty Development Program on Pedagogy	NIT Durgapur	24-25th March, 2017
3	Adhikari U.	Developing Managerial Competencies for NIT Durgapur	Indian institute of management Calcutta	28-30th March, 2017
4	Chakrabarty J.	ICRCS-2017 International Conference on recent trends in Chemical Sciences	Govt. Engineering College, Bikaner, Rajasthan and Indian Chemical Society	12 – 13th January, 2017
5	Chakrabarty J.	Short term course under Continuing Education Programme on “Management Capacity Development”	IIT Delhi	2-4th March, 2017
6	Sukul, D.	3rd. International Congress on water, waste and energy management	Science Knowledge Conferences, Rome-Italy	18-20th July, 2016

Department of Civil Engineering

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1.	Banik A.K	10th Structural Engineering Convention	IIT Madras, CSIR-SERC	December 21-23, 2016
2	Banik A.K	Application of Soft Computing in Civil Engineering	PES Institute of Technology, Bengaluru	February 25-26 2017
3	Banik A.K	Faculty Development Programme on Pedagogy	N. I. T. DURGAPUR	March 24-25, 2017
4	Das D.	Smart Sensing and Intelligent Systems (SSIS 2016)	Department of Electrical Engineering, NIT Durgapur	June 14 - 18, 2016
5	Das D.	Developing Managerial Competencies	IIM Kolkata	March 28-30, 2017
6	Das D.	Faculty Development Programme on Pedagogy	NIT Durgapur	March 24-25, 2017
7	Roy P.	NBA-SAR Filling Preparedness for Assessment	Engineering Staff College of India (ESCI) Hyderabad	October 15- 16, 2016
8	Roy P.	6th Asia Pacific Ministerial Conference on Housing and Urban Development (APMCHUD)	Ministry of Housing and Urban Poverty Alleviation, Government of India	December 14-16, 2016
9	Roy P.	TEQIP-II Sponsored short term course on Mechanical Behaviour and Modelling of Materials (MBMM 2017)	Department of Metallurgical and Materials Engineering, NIT Durgapur	February 06-10, 2017.
10	Roy P.	TEQIP –II Sponsored Two days National Workshop on Application of Soft Computing in Civil Engineering	Department of Civil Engineering, PESIT, PESU, Bangalore	February 25-26, 2017
11	Roy P.	TEQIP-II Sponsored Faculty Development Programme on Pedagogy	Department of Civil Engineering, NIT Durgapur	March 24-25, 2017
12	Samanta A. K.	National Workshop on Advances in Repair and Rehabilitation of Concrete Structures	CSIR-Central Building Research Institute Roorkee - 247667	September 22-23, 2016
13	Samanta A. K.	International Workshop on "Challenges and Issues in Development of Distributed Solar and Wind Energy Systems" and "Fourth International Conference on Energy System and Development"	Trinity College of Engineering & Research (TCOER) Pune	Feb20-24, 2017
14	Singha Roy D.K.	Emerging Building Materials and Construction Technologies	BMTPC, New Delhi	March 21-22, 2016
15	Singha Roy D.K.	Faculty Development Programme on Pedagogy	N. I. T. DURGAPUR	March 24-25, 2017
16	Singha Roy D.K.	Developing Managerial Competencies	N. I. T. DURGAPUR	March 28-30 2017

Department of Computer Science and Engineering

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1.	Bhattacharjee, S.	TEQIP II sponsored Faculty Development Program on Pedagogy	NIT Durgapur	March 24-25, 2017.
2.	Bhattacharjee, S.	TEQIP II sponsored one day symposium on Machine Learning and its Applications	Dept. of CSE, NIT Durgapur	22nd March 2016.
3.	Chandran, S.	TEQIP-II sponsored One day Symposium on "Machine Learning and its Applications"	NIT Durgapur	March 22, 2017
4.	Chandran, S.	TEQIP-II Sponsored Faculty Development Program on Pedagogy	NIT Durgapur	March 24-25, 2017
5.	Dalui, M.	TEQIP II sponsored Faculty Development Program on Pedagogy	NIT Durgapur	March 24-25, 2017
6.	Das, D.	Faculty Development Programme (FDP) on Pedagogy	NIT Durgapur	24th-25th March 2017
7.	Dutta, A.	The 12th Semantic Web Summer School (SSSW 2016)	Bertinoro, Bologna(Italy)	July 25-27, 2016
8.	Dutta, A.	Expert Lectures Series on Distributed Systems	NIT Patna	June 1-5, 2016
9.	Dutta, A.	A course on Distributed Network Algorithms, under the GIAN program of MHRD	IIT Guwahati	June 27-July 2, 2016
10.	Dutta, A.	TEQIP-II Sponsored Faculty Development Program on Pedagogy	NIT Durgapur	March 24-25, 2017
11.	Majhi, S.	TEQIP II sponsored one day symposium on Machine Learning and its Applications	Dept. of CSE, NIT Durgapur	22nd March 2016.
12.	Majhi, S.	TEQIP II sponsored Faculty Development Program on Pedagogy	NIT Durgapur	March 24-25, 2017.
13.	Majhi, S.	Faculty Development Program on Core VLSI Design	NIT Sikkim	March 4-9, 2017
14.	Mitra, D.	TEQIP-II Sponsored Faculty Development Program on Pedagogy	NIT Durgapur	March 24-25, 2017
15.	Mukhopadhyay, S.	Game Theory Lab visit	Dept. of CSA, IISc. Bangalore	October 17-21, 2016
16.	Nandi, D.	Faculty Development Program on Pedagogy	Dept. of Physics, NIT Durgapur	March 24 -25, 2017
17.	Nandi, D.	Program on improving managerial competencies	Dept. of Management Studies, NIT Durgapur	March 28 -30, 2017
18.	Pal T.	Management Training Programme	NIT Durgapur	March 28-30, 2017
19.	Roy, S.	<i>Leadership and Management development Programme in Institutes and Universities – Module 2.</i>	<i>Leadership Foundation for Higher education, UK and UKIERI, British Council.</i>	<i>April 2016.</i>
20.	Roy, S.	FDP on Pedagogy	NIT Durgapur	March 2017.

Department of Electrical Engineering

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1	Roy N K	European advanced material congress (EAMC), Stockholm, , Sweden.	Committee of European advanced material congress (EAMC), Stockholm	23-25 August, 2016
2	Ghosh S.	TEQIP-II Sponsored Management Training Programme	NIT Durgapur	March 2-4, 2017
3	Mahato S. N.	Management Training Programme	NIT Durgapur	March 28-30, 2017
4	BHOWMIK P. S.	Management Training Programme	NIT DURGAPUR	March 6-8, 2017
5	BHOWMIK P. S.	Faculty Development Programme on Pedagogy	NIT DURGAPUR	March 24-25, 2017
6	SARKAR S.	Management Training Programme	NIT DURGAPUR	March 2-4, 2017
7	HALDER S.	Management Training Programme	NIT DURGAPUR	March 2-4, 2017

Department of Electronics and Communication Engineering

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1.	Mandal S.K.	IEEE Annual India Conference	IISc Bangalore	December 16 – 18, 2016
2.	Mandal S.K.	Workshop on advanced Antenna Technology	Thiagarajan College of Engineering, Madurai.	June 6-10, 2016
3.	Mandal S.K.	Second workshop for presentation of research work, Visvesvaraya PhD scheme for Electronics & IT/ITES.	Media Lab Asia, MeitY, Gol	February 20-21, 2017

Department of Management Studies

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1	De, A.	TEQUIP-II Sponsored “Faculty Development program on Pedagogy”	NIT Durgapur	March 24 & 25, 2017
2.	Ghosh, A.	“Faculty Development programme in Management (FDPM)”	IIM Ahmedabad	June 6 -22 September, 2016
3.	Ghosh, A.	TEQUIP-II Sponsored “Faculty Development programme on Pedagogy”	NIT Durgapur	March 24 & 25, 2017
4.	Ghosh, A.	TEQUIP-II Sponsored “Management Training Programme (MTP)”	NIT Durgapur	March 28-30, 2017

Department of Mathematics

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1	Dey, L.K.	Workshop on Fixed Point Theory and Dynamical Systems with Real World Applications	S. V. National Institute of Technology Surat, under TEQIP-II	23-25 February 2017
2	Dey, L.K.	Faculty Development Program on Pedagogy	National Institute of Technology Durgapur, under TEQIP-II	24-25 March 2017
3	Pal, A.	International Conference of Discrete Mathematics (ICDM-2016)	Department of Mathematics, SIT Tumkur and Academy of Discrete Mathematics and Applications (ADMA)	7-9 June, 2016
4	Pal, A.	Faculty Development Program on Pedagogy	National Institute of Technology Durgapur, under TEQIP-II	24-25 March 2017
5	Pal, A.	Continuing Education Programme on Management Capacity Development during	Department of Management Studies, IIT Delhi.	02-04 March 2017
4	Maitra S	Faculty Development Program on Pedagogy	National Institute of Technology Durgapur, under TEQIP-II	24-25 March 2017
5.	Basu K	Continuing Education Programme on Management Capacity Development	Department of Management Studies, IIT Delhi.	28-30 March 2017
6	Sarkar (Mondal), S.	Faculty Development Program on Pedagogy	National Institute of Technology Durgapur, under TEQIP-II	24-25 March 2017
7	Sarkar (Mondal), S.	Limiting Availability in Reliability Theory	Department of Mathematics, NIT Durgapur	March 10, 2017
8	Sarkar (Mondal), S.	Two days National Seminar cum Workshop on Recent Advances on Mathematics and Mathematical Sciences: its Teaching and Learning	Department of Mathematics, Muragachha Govt. College in collaboration with Calcutta Mathematical Society and the Indian Mathematics Consortium	22-23 February, 2017

Department of Mechanical Engineering

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1	Basak I	Conference on Production and Industrial Engineering (CPIE-2016),	Dec 19-20, 2016	NIT Jalandhar.
2	Bera Biswajit	Faculty Development Program on Pedagogy	Department of Physics, NIT Durgapur	24th - 25th March, 2017
3	Das Asim Kumar	STC on Computational Technique for Differential Equation.	SVNIT, Surat	May 2-6, 2016
4	Das Asim Kumar	STC on Fundamentals and Advances on Multi Phase Flow.	SVNIT Surat	Dec 19-23, 2016
5	Das Asim Kumar	STC on Theory on Pump and Turbine.	SVNIT, Surat	Feb 20-25, 2017
6	Das Asim Kumar	TEQIP-II Sponsored Faculty Development Programme on Pedagogy.	NIT, Durgapur	March 24-25, 2017
7	Das Asim Kumar	Tribology Frontiers Workshop.	IEST, Shibpur	Aug 3-4, 2016

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
8	Karmakar Sujit	NBA-SAR Filling & Preparedness for Assessment	Engineering Staff College of India, Hyderabad	15-16 October, 2016
9	Khan K.	NBA-SAR filling preparedness for assessment	Engineering Staff College of India	15-16 October, 2016
10	Kumar Deepak	Intra IIT LATEX Workshop	IIT Guwahati	18th Feb 2017
11	Mitra Ranjan Kumar	Advances in Micro system Technologies (AMST 2017)	Department of Mechanical engineering, NIT Durgapur	20/02/2017 to 24/02/2017
12	Mitra Ranjan Kumar	Continuing education program on Management Capacity Development	Department of Management Studies, NIT Durgapur and Department of Management Studies, IIT Delhi	02/03/2017 to 04/03/2017
13	Mullick, A N	MHRD's National Mission for Teachers and Administrators Management Capacity Enhancement Programme	IIM Indore	Feb 02 – Feb 08, 2017
14	Patari Animesh	TEQIP-II Sponsored Faculty Development Programme on Pedagogy.	NIT, Durgapur	March 24-25, 2017
15	Patari Animesh	TEQIP-II Sponsored One Week Training Programme on Introduction to ANSYS FLUENT	NIT Durgapur	Feb 24 - March 02, 2017
16	Pramanik Shantanu	TEQIP-II Sponsored One Week Training Programme on Introduction to ANSYS FLUENT	NIT Durgapur	24th Feb to 02nd March, 2017
17	Roy S.S.	GIAN Course on 3D Printing & Additive Manufacturing	NIT Warangal	June 20-24, 2016
18	Roy S.S.	National workshop on Computational Intelligence	JIIT, Noida	May 26-28, 2016

Department of Metallurgical and Materials Engineering

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1.	Mandal D	ICAMMP-IV	Dept of Met & Mat Engg, IIT Kharagpur,	5-7th Nov 2016
2.	Bera Supriya	ICAMMP-IV	Dept of Met & Mat Engg, IIT Kharagpur,	5-7th Nov 2016
3	Mallik M	ICAMMP-IV	Dept of Met & Mat Engg, IIT Kharagpur,	5-7th Nov 2016
4	Ghosh K.S	ICAMMP-IV	Dept of Met & Mat Engg, IIT Kharagpur,	5-7th Nov 2016
5	Pramanik S	NMD-ATM 2016	IIM, IIT Kanpur	11-14th Nov, 2016
6	Ghosh M.M.	Workshop on "Lithium Ion Battery Technology and Mathematical Modeling"	IIT Kharagpur	May 16-18, 2016

Department of Physics

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1	Basu S.	Faculty Development Program on Pedagogy	NIT Durgapur	24 – 25 March, 2017
2	Basu S	9th ECNP International Conference on Nanostructured Polymers and Nanocomposites (ECNP 2016)	ECNP, Rome Italy	18-20 September 2016
	Chakraborty, AK	Faculty Development Program on Pedagogy	NIT Durgapur	24 – 25 March, 2017
3	Kumbhakar P.	Leadership and Management Development Programme	Leadership Foundation for Higher Education (LFHE) and UK-India Education and Research Initiatives (UKIERI), Birmingham, UK	April 25-29, 2016
4	Kumbhakar P.	European Advanced Materials Congress (EAMC-2016)	IAAM and Linkoping University, Stockholm, Sweden	Aug. 23 – 25, 2016
5	Kumbhakar P.	International conference on Light and Light based Technologies (ICL2T-2016)	Tezpur University, Tezpur	Nov. 26-28, 2016
6	Mandal M. K.	Management Training Programme	NIT Durgapur	March 2-4, 2017
7	Mandal M. K.	Faculty Development Program on Pedagogy	NIT Durgapur	March 24-25, 2017
8	Meikap A. K.	9th ECNP International Conference on Nanostructured Polymers and Nanocomposites (ECNP 2016)	ECNP, Rome Italy	18-20 September 2016
9	Meikap A. K.	Advanced Functional Materials Processing & Manufacturing (NCAFMPM 2017)	CSIR-CMERI Durgapur	2-3 February 2017
10	Meikap A. K.	2nd International Conference on Emerging Materials: Characterization & Applications (EMCA 2017)	NIT Durgapur	15-17 March 2017
11	Meikap A. K.	Short term course under Continuing Education programme on “Management Capacity Development”	Department of Management Studies, IIT Delhi	2-4 March 2017
12	Meikap A. K.	TEQIP II sponsored “Faculty Development Program on Pedagogy”	NIT Durgapur	24-25 March 2017
13	Mondal A.	NBA-SAR Filling preparedness for assessment	Hydrabad	15-16 October, 2016
14	Mondal A.	Management Training Programme	NIT Durgapur	28-30 March, 2017
13	Sahoo S.	Faculty Development Program on Pedagogy	NIT Durgapur	24 – 25 March, 2017
14	Sahoo S.	Management Training Programme	NIT Durgapur	2 – 4 March, 2017

Department of Humanities and Social Sciences

SL. NO	Name	Name of the Programme	Organized by	Date of the programme
1	Banerjee, J	Research Methodology:Applications of Econometrics and Statistics	HSS NITD and TIES	May 23- May 29, 2016
2	Banerjee, J	Management Training Programme	DMS NITD & IIT Delhi	Mar 2- Mar 7, 2017
3	Modak, A.	Research Methodology:Applications of Econometrics and Statistics	HSS NITD and TIES	May 23- May 29, 2016
4	Modak, A.	Management Training Programme	DMS NITD & IIT Delhi	Mar 2- Mar 7, 2017
4	Rai, Shri Krishan	The 10th National Workshop on General Semantics	FCT & Doon Univ. Dehradun	Dec 15- Dec 17, 2016

Annexure – 11.7(c) Training of staff members during 2016-17

Nil

Annexure– 11.8(a) List of programmes offered

11.8. (a). 1. Under-graduate Programmes:

The Institute offers the following programmes leading to 4 Year (8 Semester) B.Tech. Degree:

SL. NO	Programme Offered	Degree Offered
1	Biotechnology	B. Tech.
2	Chemical Engineering	B. Tech.
3	Civil Engineering	B. Tech.
4	Computer Science & Engineering	B. Tech.
5	Electrical Engineering	B. Tech.
6	Electronics & Communication Engineering	B. Tech.
7	Information Technology	B. Tech.
8	Mechanical Engineering	B. Tech.
9	Metallurgical & Materials Engineering	B. Tech.

11.8. (a). 2. Post – Graduate Programmes:**M. Tech. programmes:**

Dept. / Specialisation	Year of Starting	Full / Part time	Duration	Sanctioned intake
Biotechnology	2008	Full Time	2 years	20
Chemical Engineering	1968	Full Time	2 years	23
		Part Time (Day)	3 years	
Civil Engineering (Structural Engineering)	1971	Full Time	2 years	23
		Part time (Day)	3 years	
Chemistry (Corrosion Science & Technology)	1996	Full Time	2 years	23
		Part time (Day)	3 years	
Computer Science & Engineering (Information Technology)	2004	Full Time	2 years	23
Electrical Engineering (Electrical System)	1969	Full Time	2 years	23
		Part time (Day)	3 years	
Electronics & Communication Engg (Telecommunication Engg)	2005	Full Time	2 years	23
Electronics & Communication Engg (Microelectronics & VLSI)	2008	Full Time	2 years	23
Earth & Environmental Studies – co-ordinating dept. (Environmental Science & Technology)	2008	Full Time	2 years	20
Information Technology (Information Security)	2008	Full Time	2 years	23
Mathematics (Operations Research)	1990	Full Time	2 Years	23
		Part time (Day)	3 years	
Mechanical Engineering (MD)	1966	Full Time	2 years	23
		Part time (Day)	3 years	
Metallurgical Engineering (MT)	1966	Full Time	2 years	23
		Part time (Day)	3 years	
Entrepreneurship and Innovation (EI)	2015	Full Time	2years	20
Physics (Advanced Materials Science & Technology)	2006	Full Time	2 years	23
Civil Engineering (GE)	2014	Full Time	2 years	20
Electrical Engineering (PEMD))	2014	Full Time	2 years	20
Mechanical Engineering (FMHT)	2014	Full Time	2 years	20
Mechanical Engineering (TE)	2014	Full Time	2 years	23
High Performance Computing (HC)	2014	Full Time	2years	20
Computer Application (Software Engineering)	2011	Full Tme	2 years	20

Other programmes:

Dept. / Programme	Full / Part time	Year of Starting	Duration	Sanctioned intake
Management Studies (MBA)	Full Time	2004	2 Years	60
Computer Applications (MCA)	Full Time	2000	3 Years	92
Physics (M. Sc. in Physics)	Full Time	2009	2 Years	20
Chemistry (M. Sc. in Chemistry)	Full Time	2009	2 Years	20
Mathematics (M. Sc. in Mathematics with Computer Applications))	Full Time	2010	2 Years	20

Annexure-11.8(b) Programme-wise enrolment with gender and caste break-up**11.8. (b).1.Enrolment in B.Tech programmes, 2016-2017(Genderwise):**

Enrolment of Indian students in odd semesters of B. Tech. courses, 2016 - 2017 Genderwise:

Semester	BT		CHE		CE		CSE		ECE		EE		IT		ME		MME		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
B.Tech I	23	26	32	22	31	3	33	27	15	17	13	20	12	20	132	10	30	3	388	134
B.Tech III	41	43	45	24	41	1	31	30	13	18	14	22	31	22	113	7	31	13	571	183
B.Tech V	31	27	43	22	34	4	35	22	30	25	20	15	25	22	120	5	37	10	640	307
B.Tech VII	31	23	43	22	32	3	31	23	25	24	18	15	27	22	120	7	32	11	521	160
Total	177	99	153	72	124	11	105	97	289	95	203	72	257	98	537	23	226	58	2501	829

Semester	BT		CHE		CE		CSE		ECE		EE		IT		ME		MME		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
B.Tech II	21	14	21	20	32	3	23	15	22	17	17	13	17	18	126	10	34	3	565	124
B.Tech IV	30	28	43	24	42	1	35	20	13	18	14	22	31	22	126	7	32	13	584	188
B.Tech VI	31	27	43	22	34	3	35	22	30	25	20	15	25	22	120	5	37	10	640	300
B.Tech VIII	31	23	43	22	32	3	31	23	25	24	18	15	27	22	120	7	32	11	521	160
Total	174	99	163	66	124	11	105	95	287	95	207	70	252	98	548	23	225	58	2458	620

11.8 (b).2. Enrolment of Foreign Students in B.Tech. programmes, 2016-17 (Genderwise):

Semester	BT		CHE		CE		CSE		ECE		EE		IT		ME		MME		Total		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
B.Tech-I	1	0	2	1	1	0	25	0	3	3	4	3	1	1	0	3	0	0	0	27	7
B.Tech-III	1	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	11	9
B.Tech-V	0	1	2	4	0	1	0	4	2	2	0	0	0	0	0	2	4	0	0	25	14
B.Tech-VI	1	0	0	0	0	1	0	3	3	4	3	1	0	0	14	2	0	0	0	31	13
Total	3	1	5	6	3	3	29	12	11	8	10	4	2	2	18	7	0	0	68	39	

Semester	BT		CHE		CE		CSE		ECE		EE		IT		ME		MME		Total		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
B.Tech-I	1	0	2	1	1	0	25	0	3	3	4	3	1	1	0	3	0	0	0	27	7
B.Tech-IV	1	1	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	14	9
B.Tech-VI	0	1	2	4	0	1	0	4	2	2	0	0	0	0	0	2	4	0	0	25	14
B.Tech-VIII	1	0	0	0	0	1	0	3	3	4	3	1	0	0	14	2	0	0	0	31	13
Total	3	2	6	7	3	3	29	12	11	8	10	4	2	2	18	7	0	0	68	39	

11.8.(b).2. Enrolment in B.Tech. Programmes,2016-17(Castewise)

Dept.	B.Tech I Semester					B.TECH IV Semester					B.TECH V Semester					B.TECH VI Semester				
	OP	SC	ST	OBC	TOT	OP	SC	ST	OBC	TOT	OP	SC	ST	OBC	TOT	OP	SC	ST	OBC	TOT
BT	17	6	5	11	39	33	11	8	22	74	39	9	5	24	77	30	14	4	31	79
CHE	27	8	5	15	55	29	6	4	20	59	32	6	5	17	60	26	8	4	17	55
CE	27	7	5	15	57	23	8	5	15	51	33	9	2	19	63	29	10	4	21	64
CSE	32	15	7	26	100	46	10	7	24	87	49	16	7	25	97	43	11	8	26	88
ECE	44	14	6	28	92	47	15	8	28	96	44	14	6	26	90	44	15	6	27	92
EE	27	18	6	27	98	22	10	7	28	67	22	15	7	27	61	39	18	7	32	91
IT	28	13	6	24	91	47	14	6	23	85	26	13	6	23	88	45	14	7	23	89
ME	73	22	9	38	142	62	23	10	43	140	68	17	10	38	150	64	22	8	46	140
MME	31	10	5	17	63	29	13	7	22	71	36	12	5	19	72	36	13	4	25	78
Total	366	108	54	204	732	388	112	62	228	784	388	109	55	218	769	336	120	52	248	776

Dept.	B.Tech I Semester					B.TECH IV Semester					B.TECH VI Semester					B.TECH VII Semester				
	OP	SC	ST	OBC	TOT	OP	SC	ST	OBC	TOT	OP	SC	ST	OBC	TOT	OP	SC	ST	OBC	TOT
BT	14	5	5	11	35	32	11	8	22	73	39	9	5	24	77	30	14	4	31	79
CHE	24	8	5	15	52	29	6	4	20	59	32	6	5	17	60	26	8	4	17	55
CE	26	6	5	15	55	23	7	5	14	49	33	10	2	19	64	29	10	4	21	64
CSE	44	15	7	24	88	45	9	7	24	85	49	16	7	25	97	43	11	8	26	88
ECE	43	14	6	27	90	47	15	8	28	96	44	14	6	26	90	44	15	6	27	92
EE	43	11	5	26	85	46	12	7	28	91	44	15	7	27	91	39	13	7	32	91
IT	28	11	6	24	86	42	15	6	23	84	26	13	6	23	88	45	14	7	23	89
ME	70	20	9	37	136	61	23	10	43	137	69	17	10	38	150	64	22	8	46	140
MME	30	10	5	17	62	29	13	7	22	71	36	12	5	19	72	36	13	4	25	78
Total	339	98	53	199	689	352	109	62	222	745	388	110	55	218	769	336	120	52	248	776

11.8.(b).3. Enrolment in M.Tech. & M.Sc Programmes, 2016-17(Genderwise)

Semester	BT	CH	CY (CST)	CE (SE)	CE (GE)	CS	CS (HPC)	CA (SWE)	EE (PS)	EE (PMD)	EC (TE)	EC (VL)	ES (EST)
M.Tech I & II	22 (14)	12 (5)	1 (0)	19 (1)	15 (5)	18 (9)	8 (2)	10 (3)	17 (4)	17 (6)	19 (6)	18 (3)	17 (3)
M.Tech III & IV	13 (10)	15 (7)	7 (2)	18 (4)	19 (4)	19 (9)	10 (4)	15 (8)	14 (0)	12 (3)	20 (7)	21 (3)	9 (2)
M.Tech V & VI	-----	-----	-----	2 (0)	-----	-----	-----	-----	1 (0)	-----	-----	-----	-----
M.Sc I & II	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
M.Sc III & IV	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Semester	HSS (EI)	IT	MA (OR)	ME (MD)	ME (RMHT)	ME (TE)	MM (MT)	PH (AMS)	M. Sc (CY)	M. Sc (MA)	M. Sc (PH)	TOTAL	
M.Tech I & II	8 (0)	13 (5)	10 (4)	13 (1)	16 (2)	18 (1)	11 (0)	11 (2)	-----	-----	-----	201 (70)	
M.Tech III & IV	6 (2)	17 (9)	10 (3)	17 (5)	14 (0)	18 (1)	12 (2)	14 (1)	-----	-----	-----	300 (88)	
M.Tech V & VI	-----	-----	-----	1 (0)	-----	-----	1 (0)	-----	-----	-----	-----	8 (0)	
M.Sc I & II	-----	-----	-----	-----	-----	-----	-----	-----	13 (7)	15 (4)	11 (2)	39 (13)	
M.Sc III & IV	-----	-----	-----	-----	-----	-----	-----	-----	10 (4)	9 (2)	10 (5)	29 (11)	
(Number of female students indicated in parentheses, the total number is inclusive of the number of female students)													
Foreign students: Nil													

11.8.(b).4. Enrolment in M.Tech & M. Sc. Programmes, 2016-17 (Castewise)

Dept./Year	I & II					III & IV					V & VI (PT)				
	OP	SC	ST	OBC	TOTAL	OP	SC	ST	OBC	TOTAL	OP	SC	ST	OBC	TOTAL
BT	13 (8)	3 (1)	1 (1)	3 (1)	20 (11)	11 (9)	2 (1)	-	-	13 (10)	-	-	-	-	-
CH	8 (3)	2 (1)	1 (1)	1 (0)	12 (5)	8 (3)	4 (2)	-	2 (1)	15 (7)	-	-	-	-	-
CV	-	1 (0)	-	-	1 (0)	6 (2)	2 (0)	-	-	7 (2)	-	-	-	-	-
CE (SE)	13 (7)	2 (0)	-	4 (2)	19 (9)	10 (8)	2 (0)	1 (0)	5 (2)	18 (10)	1 (0)	-	-	1 (0)	2 (0)
CE (GT)	8 (5)	1 (0)	-	6 (2)	15 (7)	11 (8)	2 (0)	1 (0)	6 (2)	19 (10)	-	-	-	-	-
CS	12 (6)	2 (0)	1 (1)	4 (2)	19 (9)	7 (3)	3 (1)	1 (1)	8 (4)	19 (9)	-	-	-	-	-
CS (SWP)	3 (1)	1 (0)	-	2 (1)	6 (2)	4 (4)	1 (0)	-	-	10 (14)	-	-	-	-	-
CA (SWP)	4 (1)	2 (0)	-	2 (0)	10 (1)	11 (6)	3 (1)	1 (1)	-	15 (8)	-	-	-	-	-
EE (PS)	6 (2)	2 (2)	1 (1)	5 (0)	14 (5)	7 (0)	4 (0)	-	3 (0)	14 (0)	-	-	-	1 (0)	1 (0)
FR (PMD)	8 (3)	1 (1)	1 (0)	6 (1)	17 (5)	7 (1)	1 (0)	1 (1)	3 (1)	12 (3)	-	-	-	-	-
EC (TE)	7 (3)	5 (2)	-	7 (1)	19 (6)	11 (8)	3 (2)	1 (0)	5 (2)	20 (7)	-	-	-	-	-
EC (VL)	8 (4)	3 (1)	1 (0)	6 (0)	18 (5)	10 (3)	2 (0)	1 (0)	8 (1)	21 (4)	-	-	-	-	-
ES	6 (3)	4 (2)	-	5 (0)	17 (5)	5 (2)	-	-	-	9 (2)	-	-	-	-	-
HSS (E)	4 (0)	-	-	4 (0)	8 (0)	4 (2)	2 (0)	-	-	6 (2)	-	-	-	-	-
IT	9 (4)	2 (1)	-	2 (0)	13 (5)	8 (5)	7 (3)	1 (1)	-	17 (9)	-	-	-	-	-
MA (OR)	4 (1)	2 (0)	-	5 (3)	11 (4)	6 (2)	3 (2)	-	1 (0)	10 (3)	-	-	-	-	-
ME (MD)	7 (0)	1 (0)	-	5 (1)	13 (1)	12 (4)	2 (0)	-	3 (1)	17 (5)	-	1 (0)	-	-	1 (0)
ME (FMHT)	11 (2)	-	1 (0)	4 (0)	16 (2)	8 (0)	2 (0)	-	4 (0)	14 (0)	-	-	-	-	-
ME (TE)	9 (1)	1 (0)	1 (0)	5 (0)	16 (1)	10 (1)	3 (0)	-	5 (0)	18 (1)	-	-	-	-	-
MM (MT)	6 (0)	3 (0)	-	2 (0)	11 (0)	8 (1)	7 (0)	1 (1)	1 (0)	17 (2)	1 (0)	-	-	-	1 (0)
PH (AMS)	6 (3)	3 (0)	-	2 (0)	11 (3)	10 (1)	2 (0)	-	2 (0)	14 (1)	-	-	-	-	-
M.Sc. (CY)	7 (4)	2 (1)	1 (0)	3 (2)	13 (7)	6 (1)	3 (2)	-	2 (1)	11 (4)	-	-	-	-	-
M.Sc. (MA)	7 (1)	2 (1)	1 (1)	5 (1)	15 (4)	5 (2)	-	-	1 (0)	9 (2)	-	-	-	-	-
M.Sc. (PH)	7 (3)	1 (0)	-	3 (0)	11 (3)	6 (5)	-	-	1 (0)	10 (5)	-	-	-	-	-
Total	179 (85)	90 (42)	10 (5)	99 (48)	378 (191)	200 (100)	54 (24)	9 (5)	66 (35)	329 (167)	2 (0)	1 (0)	-	2 (0)	5 (0)

11.8. (b). 5. Enrolment in MCA Programme, 2016-17 (Genderwise)

Master of Computer Applications (MCA)	I & II Semester	III & IV Semester	V & VI Semester
	34 (9)	70 (22)	62 (20)

11.8. (b). 6. Enrolment in MCA Programme, 2016-17 (Castewise)

MCA	MCA I & II					MCA III & IV					MCA V & VI				
	OP	SC	ST	OBC	TOTAL	OP	SC	ST	OBC	TOTAL	OP	SC	ST	OBC	TOTAL
	17 (5)	6 (0)	1 (0)	10 (4)	34 (9)	33 (14)	9 (0)	5 (2)	23 (6)	70 (22)	36 (13)	8 (1)	2 (1)	16 (5)	62 (20)

11.8. (b) 7. Enrolment in MBA programmes, 2016-2017 (Gender wise)

Master of Business Administration (MBA)	I & II Semester	III & IV Semester
	21 (11)	27 (13)

(Number of female students indicated in parentheses ; the total number is inclusive of the number of female students)

11.8. (b).8. Enrolment in MBA Programme, 2016-17 (Castewise)

MBA	MBA I & II					MBA III & IV				
	OP	SC	ST	OBC	TOTAL	OP	SC	ST	OBC	TOTAL
	15 (8)	3 (0)	-	3 (3)	21 (11)	12 (5)	7 (4)	2 (2)	6 (2)	27 (13)

11.8 (b). 9. Enrolment of Research Scholars for PhD during 2016-2017:

SL. NO.	Department	Gender Break Up		Caste Break Up				Total
		Male	Female	OP	SC	ST	OBC	
1	Biotechnology	24	29	39	7	0	7	53
2	Chemical Engineering	35	33	53	8	1	6	68
3	Chemistry	32	17	37	6	0	6	49
4	Civil Engineering	44	6	33	6	1	9	50
5	Computer Applications	23	10	26	4	0	3	33
6	Computer Science & Engineering	39	17	41	4	0	11	56
7	Earth & Environmental Studies	9	2	9	0	0	2	11
8	Electrical Engineering	35	9	36	3	1	4	44
9	Electronics & Communications Engineering	63	18	62	12	1	6	81
10	Humanities & Social Sciences	20	11	26	1	0	4	31
11	Information Technology	29	12	32	2	2	5	41
12	Management Studies	37	13	45	4	0	1	50
13	Mathematics	41	17	49	5	0	4	58
14	Mechanical Engineering	62	4	49	9	1	7	66
15	Metallurgical & Materials Engineering	21	2	15	4	0	4	23
16	Physics	29	14	34	5	0	4	43
	Total	543	214	586	80	7	83	757

Foreign student = 01 in Civil Engineering

Annexure – 11.8 (c) Admission statistics – UG & PG

11.8 (c) 1. The number of candidates admitted to B. Tech. programmes from rural and urban area during 2016-2017

SL. NO.	STATE	OP		OP PH		OB		OB PH		SC		SC PH		ST		ST PH		FS		TOTAL		GRAND TOTAL
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	Andhra Pradesh	50	7	1	0	24	7	0	0	9	4	0	0	4	0	0	0	0	0	88	18	106
2	Arunachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Assam	3	1			1	0	0	0	0	0	0	0	4	0	0	0	0	0	8	1	9
4	Bihar	13	2	0	0	22	3	2	0	19	1	1	0	1	0	0	0	0	58	6	64	
5	Chattishgarh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	
6	Delhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Goa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Gujarat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Haryana	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
10	Himachal Pradesh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
11	Jammu & Kashmir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Jharkhand	3	0	0	0	1	2	1	0	1	0	0	0	1	1	0	0	0	7	3	10	
13	Karnataka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Kerala	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
15	Madhya Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Maharashtra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Manipur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Meghalaya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Mizoram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Nagaland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Odisha	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	6	
22	Punjab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Rajasthan	7	0	0	0	4	2	0	0	0	1	0	0	1	0	0	0	0	12	3	15	
24	Puducheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Sikkim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Tamil Nadu	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	
27	Telangana	17	5	0	0	12	0	0	0	4	2	0	0	15	1	0	0	0	48	8	56	
28	Tripura	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
29	Uttar Pradesh	33	4	0	1	0	2	0	0	1	0	0	0	0	0	0	0	0	34	7	41	
30	Uttarakhand	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1
31	West Bengal	128	30	4	0	84	15	2	0	37	17	0	0	20	7	0	0	0	275	69	344	
32	Andaman & Nicobar	4	1	0	0	2	2	0	0	3	1	0	0	0	0	0	0	0	9	4	13	
33	Bangladesh	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	8	8
34	Gambia	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5	5
35	Nepal	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	7	7
36	South Africa		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	GRAND TOTAL	277	54	6	1	149	31	5	0	72	26	1	0	46	9	0	0	0	606	126	732	732

11.8.(c).3. The Ranks(AIR) obtained by the first and the last candidates admitted to B.Tech programme during 2016-2017-1st Year

SL. NO.	STATE	OP		OB		SC		ST	
		1ST	LAST	1ST	LAST	1ST	LAST	1ST	LAST
1	Andhra Pradesh	6235	29836	10397	40281	47982	139399	121595	164699
2	Arunachal Pradesh	0	0	0	0	0	0	0	0
3	Assam	9777	17447	30901	120982	0	0	67746	337870
4	Bihar	6657	31757	12908	103180	50850	128058	89400	115118
5	Chattishgarh	15036	18918	31614	0	0	0	247344	0
6	Chandigarh	0	0	0	0	0	0	0	0
7	Delhi	0	0	0	0	0	0	0	0
8	Goa	0	0	0	0	0	0	0	0
9	Gujarat	0	0	0	0	0	0	0	0
10	Haryana	7587	0	0	0	0	0	0	0
11	Himachal Pradesh	7285	11643	0	0	0	0	0	0
12	Jammu & Kashmir	0	0	0	0	0	0	0	0
13	Jharkhand	7735	30782	14657	69467	112531	112531	79419	474200
14	Karnataka	0	0	0	0	0	0	0	0
15	Kerala	0	0	11695	11695	0	0	0	0
16	Madhya Pradesh	7922	29203	43391	44957	0	0	176679	176679
17	Maharashtra	14682	40412	20365	83614	56049	82512	0	0
18	Manipur	0	0	0	0	0	0	0	0
19	Meghalaya	0	0	0	0	0	0	0	0
20	Mizoram	0	0	0	0	0	0	0	0
21	Nagaland	0	0	0	0	0	0	0	0
22	Odisha	10724	29472	20991	20991	0	0	0	0
23	Puducheri	0	0	0	0	0	0	0	0
24	Punjab	0	0	0	0	0	0	0	0
25	Rajasthan	7101	30596	15547	24027	60823	60823	106970	106970
26	Sikkim	0	0	0	0	0	0	0	0
27	Tamil Nadu	8878	15266	0	0	0	0	0	0
28	Telangana	6556	29907	8358	40046	74735	146938	104751	231982
29	Tripura	0	0	0	0	85136	85136	0	0
30	Uttar Pradesh	5322	37087	11243	137937	66987	113567	0	0
31	Uttarakhand	0	0	0	0	61475	61475	0	0
32	West Bengal	4809	160021	11218	144638	26017	173877	86832	488717
33	Andaman & Nicobar	17240	58526	32463	101846	517612	697832	0	0

11.8.(c).4. The number of candidates admitted to B.Tech programmes from various annual income groups during 2016-2017 - 1st Year

SL NO.	STATE	Upto Rs. 1,00,000.00	Rs. 1,00,000.00 To Rs. 5,00,000.00	Above Rs. 5,00,000.00	TOTAL
1	Andhra Pradesh	63	4	28	95
2	Arunachal Pradesh	0	0	0	0
3	Assam	8	1	2	11
4	Bihar	50	18	12	80
5	Chattishgarh	1	1	2	4
6	Delhi	0	0	0	0
7	Chandigarh	0	0	0	0
8	Goa	0	0	0	0
9	Gujarat	0	0	0	0
10	Haryana	0	0	0	0
11	Himachal Pradesh	1	0	1	2
12	Jammu & Kashmir	0	0	0	0
13	Jharkhand	9	4	6	19
14	Karnataka	0	0	0	0
15	Kerala	1	0	1	2
16	Madhya Pradesh	4	0	1	5
17	Maharashtra	3	2	4	9
18	Manipur	0	0	0	0
19	Meghalaya	0	0	0	0
20	Mizoram	0	0	0	0
21	Nagaland	0	0	0	0
22	Odisha	3	3	3	9
23	Punjab	0	0	0	0
24	Rajasthan	7	3	1	11
25	Puducheri	0	0	0	0
26	Sikkim	0	0	0	0
27	Tamil Nadu	0	2	1	3
28	Telengana	35	4	8	47
29	Tripura	1	0	0	1
30	Uttar Pradesh	36	11	11	58
31	Uttaranchal	1	0	0	1
32	West Bengal	110	65	119	294
33	Andaman & Nicobar	4	1	4	9

11.8.(c).5. The details of admission to the M.Tech & M.Sc programmes during 2016-2017-1st Year

SL. NO.	Name of the Deptt.	Specialisations	Total
1	Biotechnology	M.Tech in Biotechnology	22
2	Chemical Engineering	M.Tech in Chemical Engineering	12
3	Chemistry	M.Tech in Corrosion Science & Technology	1
4	Civil Engineering	M.Tech in Structural Engineering	19
5	Civil Engineering	M.Tech in Geotechnical Engineering	15
6	Computer Science & Engineering	M.Tech in Computer Science & Engineering	18
7	Computer Applications	M.Tech in Software Engineering	10
8	Computer Science & Engineering	M.Tech in High Performance Computing	8
9	Electrical Engineering	M.Tech in Power Systems	17
10	Electrical Engineering	M.Tech in Power Electronics & Machine Drives	17
11	Electronics & Communication Engineering	M.Tech in Telecommunication Engineering	19
12	Electronics & Communication Engineering	M.Tech in Microelectronics & VLSI	18
13	Earth & Environmental Studies	M.Tech in Environmental Science & Technology	17
14	Humanities and Social Sciences	M.Tech in Entrepreneurship and innovations	8
15	Information Technology	M.Tech in Information Technology	13
16	Mathematics	M.Tech in Operations Research	10
17	Mechanical Engineering	M.Tech in Machine Design	13
18	Mechanical Engineering	M.Tech in Fluid Mechanics and Heat Transfer	16
19	Mechanical Engineering	M.Tech in Thermal Engineering	18
20	Metallurgical and Materials Engineering	M.Tech in Metallurgy and Materials Technology	11
21	Physics	M.Tech in Advanced Material Science & Technology	11
22	Chemistry	M.Sc in Chemistry	13
23	Mathematics	M.Sc in Mathematics	15
24	Physics	M.Sc in Physics	11
25	Computer Applications	MCA	34
26	Management Studies	MBA	21
TOTAL			387

11.9.(a). Scholarship and Stipends (Undergraduate Program)

11.9.(b). Awards during 2016-17

1. Dr. Durbadal. Mandal, MME, Received Prof. Shilowbhadra Banerjee Award for the Best in House Project on "Development of Gas based brass melting Furnace" from CSIR-NML, Jamshedpur (NML Foundation Day award, 25th November, 2016)
2. Kisku, D.R. (CSE), is a recipient of Sir Visvesvaraya Young Faculty Research Fellowship of DeitY, Government of India, April 2016.
3. Kisku, (CSE), D.R.'s biography listed in 3rd Edition of 'Who's Who in Asia' of Marquis's Who's Who, USA, January 2017.
4. Saha, S. (CSE), is a recipient of ACM Junior Faculty/Postdoc Travel Grant from the 15th ACM International Conference on Mobile Systems, Applications, and Services, Singapore, 2016.
5. Sen, B. (CSE), is a recipient of Sir Visvesvaraya Young Faculty Research Fellowship of DeitY, Government of India, March 2017.
6. Dr. A. K. Chakraborty (Physics) has received the best project award for execution of his DST-UKEIRI Funded research project entitled "Graphene Assisted Low-cost Energy-efficient Solar-cells" by the British Council, India jointly with his British counterpart Dr. S. Krishnamurthy of The Open University in November, 2016.

Annexure-11.10 (a) Vocational training

SL.NO	NAME OF THE COMPANY	SL.NO	NAME OF THE COMPANY
1	D.V.C. Mejia	34	DMRL (HYDERABAD)
2	BSNL, Kolkata	35	DRDO (HYDERABAD)
3	ECL, Bankola	36	D.E.SHAW, Hyderabad
4	Railway Liluah Workshop, Kolkata	37	TATA CUMMINS PVT. LTD
5	HMT Ranchi	38	IBM, Bangalore
6	SAIL-D.S.P.	39	Microsoft R&D
7	N.T.P.C., Farakka	40	Belzabar, Noida
8	W.B.P.D.C.L.	41	Bokaro Steel Plant, Bokaro
9	L&T INFOTECH	42	N.I.C Delhi
10	C.E.S.C.	43	TATA POWER, Pune
11	CCMB(HYDRABAD)	44	HAL Sunabeda
12	Maq Software, Hyderabad	45	C.L.W Chittaranjan
13	VERSE(BANGALORE)	46	HPL
14	PERVACIO	47	Idea Cellular
15	O.N.G.C .	48	Reliance Industries
16	M.N. DASTUR & COMPANY (P) LTD	49	Haldia Petrochemical
17	TATA MOTORS LTD.	50	Honda Cars
18	TATA STEEL LTD.	51	Reliance Jio
19	BRIDGE & ROOF COMPANY (INDIA)LTD	52	JSL, Jajpur, Odissa
20	SAIL – Bhilai Steel Plant	53	Schneider Electric
21	BARAUNI REEINERY TRAINING & DEVELOPMENT CENTRE	54	Ashok Leyland
22	Globsyn Skills and Development	55	Fiat Automobiles
23	Oracle FSS	56	Aircell, Kolkata
24	ACC	57	LPG Recovery Plant, Gujarat
25	BHEL, Hardwar	58	Tata Consulting Services, Kolkata

SL.NO	NAME OF THE COMPANY	SL.NO	NAME OF THE COMPANY
26	IOCL	59	ESSAR OIL & GAS, Mumbai
27	Metro Railway, Kolkata	60	BCCL. Dhanbad
28	Hyundai Motor	61	EXIDE, Kolkata
29	L & T, SURAT	62	Hindustan Zinc Limited, Udaipur
30	Alloy Steels Plant, Durgapur	63	TML Drive lines Limited
31	VIZAG STEEL PLANT	64	Verse Innovation Private Limited
32	MARUTI SUZUKI INDIA LTD	65	Shapoorji and Palonji, Kolkata.
33	Hero Motor Corp		

Annexure-11.10(b) Placement statistics during 2016 – 2017

Sl. No.	COMPANY	DATE OF SELECTION	NUMBER OF STUDENTS PLACED (BRANCH WISE)									
			B.Tech									
			BT	CHE	CE	CSE	ECE	EE	IT	ME	MME	TOTAL
Sharing slot												
1	INFOSYS	20 & 21.9.2016	15	12	5	10	6	11	4	22	12	97
2	IBM	3 & 4.10.2016	-	-	-	4	14	8	0	-	-	26
Branch wise Core Sector												
1	DIRECTI	14 & 22.07.2016	0	0	-	2	0	0	2	0	0	4
2	D E SHAW	18 & 19.07.2016	-	-	-	2	0	0	0	-	-	2
3	AMAZON	20 & 21.07.2016	-	-	-	1	0	-	1	-	-	2
4	ZOMATO	25.07.2016	-	-	-	3	0	0	-	-	-	3
5	MICROSOFT	PPO	-	-	-	1	-	-	0	-	-	1
6	BELZABAR	PPO	-	-	-	1	-	-	0	-	-	1
7	CESC	PPO	-	-	-	-	-	2	-	1	-	3
8	C-DOT	PPO	-	-	-	1	0	-	-	-	-	1
9	YODLEE	27.07.2016	-	-	-	2	-	-	2	-	-	4
10	FUTURES FIRST	28.07.2016	0	0	0	0	2	0	0	0	0	2
11	TRESVISTA	29.07,02 & 04.08.2016	0	0	1	0	0	0	0	0	0	1
12	SHAPOORJI PALLONJI	4.8.2016	-	-	3	-	-	-	-	-	-	3
13	TATA METALIKS	04 & 05.08.2016	-	-	-	-	-	1	-	0	1	2
14	MU SIGMA	06 & 19.08.2016	3	3	0	1	2	1	3	3	3	19
15	TEHRACERS	06.08.2016	-	-	-	2	3	0	2	-	-	7
16	MPHASIS	08.08.2016	-	-	-	4	2	1	4	-	-	11
17	FUSION CHARTS	9 & 10.08.2016	0	0	0	0	0	0	1	0	0	1
18	DRISHTI SOFTWARES	10 & 11.8.2016	-	-	-	2	-	-	1	-	-	3
19	ZS ASSOCIATES	10 & 16.08.2016	0	1	0	1	0	0	0	0	0	2
20	P.W.C.	11.8 & 15.9.2016	-	-	-	2	4	3	6	7	-	22
21	ORACLE APPLICATION	13 & 17.08.2016	-	-	-	3	1	0	2	0	-	6
22	L&T ECC	16 & 17.08.2016	-	-	13	-	3	5	-	2	0	23
23	AMDOCS	22 & 23.08.2016	-	-	-	3	2	-	8	-	-	13
24	QUALCOMM	23 & 24.08.2016	-	-	-	1	0	1	1	-	-	3
25	MAQ SOFTWARE	26 & 29.08.2016	-	-	-	4	-	-	6	-	-	10
26	SMARTPRIX	29 & 30.08.2016	-	-	-	0	0	-	0	-	-	0
27	POLARIS INTELLECT	30.08 & 7.9.2016	-	-	-	1	7	-	0	-	-	8
28	FACTSET	01 & 02.9.2016	-	-	-	4	1	-	2	-	-	7
29	WIPRO	03 & 04.09.2016	-	-	-	4	3	1	5	-	-	13
30	ORACLE (OFSS)	13.8 & 7.9.2016	-	-	-	3	2	3	7	2	-	17

Sl. No.	COMPANY	DATE OF SELECTION	NUMBER OF STUDENTS PLACED (BRANCH WISE)									
			B.Tech									
			BT	CHE	CE	CSE	ECE	EE	IT	ME	MME	TOTAL
31	VERIZON	8.9.2016	-	-	-	0	2	0	0	-	-	2
32	AXIS BANK	9.9.2016	-	-	-	0	1	1	0	-	-	2
33	TATA MOTORS	10 & 12.9.2016	-	-	-	-	-	3	-	4	-	7
34	NRI FINTECH	12.9.2016	-	-	-	0	0	-	2	-	-	2
35	SAINT GOBAIN	14.9.2016	-	1	0	-	-	-	-	1	-	2
36	VE COMMERCIAL	16.9.2016	-	-	-	-	-	-	-	4	-	4
37	CAPGEMINI	19,26,27.9.2016	-	-	-	1	4	1	3	-	-	9
38	INCTURE TECHNOLOGIES	24.9.2016	-	-	-	0	0	-	-	1	-	1
39	VEDANTA	27.09.2016	-	4	0	0	0	3	-	4	3	14
40	HSBC	27 & 30.9.2016	-	-	-	0	0	-	0	-	-	0
41	FORTITUDE	1.10.2016	0	0	0	0	1	0	0	0	1	2
42	CUMMINS INDIA	18.10.2016	-	-	-	-	-	-	-	0	-	0
43	M N DASTUR	18 & 22.10.2016	-	1	0	-	-	0	-	0	2	3
44	CGI	19 & 21.10.2016	0	0	0	0	7	0	1	1	0	9
45	NEXGEN	23 & 24.10.2016	-	-	-	-	2	-	-	-	-	2
46	ABB	23.10&7.11.2016	-	-	-	-	0	1	-	-	-	1
47	MAHINDRA & MAHINDRA	24 & 25.10.2016	-	-	-	0	0	4	-	1	-	5
48	FIAT	9.11.2016	-	-	-	-	-	-	-	0	-	0
49	DYNAMIC DIGITAL	11.11.2016	-	-	-	0	-	-	0	-	-	0
50	MAHINDRA COMVIVA	16.11.2016 & 27.01.2017	-	-	-	0	1	-	0	-	-	1
51	ELEGANTSHIP	17.11.2016	-	-	-	-	-	-	-	4	-	4
52	AAKASH INSTITUTE	18 & 26.11.2016	1	0	0	0	0	0	0	0	0	1
53	HERO MOTOCORP	21.11.2016	-	-	-	-	-	-	-	3	-	3
54	PATHFINDER	30.11.2016	3	0	0	0	0	0	0	1	0	4
55	EXIDE	05.12.2016	-	-	-	-	-	1	-	1	-	2
56	IDEA CELLULAR	09 & 19.12.2016	-	-	-	-	3	-	-	-	-	3
57	CONCEPT EDUCATION	16.12.2016	0	0	0	-	-	-	0	0	0	0
58	PRADAN	20.12.2016	9	1	0	0	0	0	0	1	1	12
59	ANGLO EASTERN	22.12.2016 & 10.03.2017	-	-	-	-	0	0	-	1	-	1
60	VISA STEEL	23.12.2016	-	-	-	-	0	-	-	-	3	3
61	TATA TINPLATE	02.01.2017	-	1	-	-	-	-	-	1	1	3
62	WEATHERFORD	03.01 & 13.02.2017	-	-	-	-	-	0	-	0	-	0
63	THERMAX	05 & 06.01.2017	-	-	-	-	-	-	-	1	-	1
64	VERSE	06.01.2017	-	-	-	1	0	0	0	-	-	1
65	UTTAM GALVA	09.01.2017	-	2	-	-	-	0	-	0	0	2
66	SAMSUNG R&D	09 & 10.01.2017	-	-	-	3	0	-	0	-	-	3
67	HALDIA PETROCHEMICALS	12.01.2017	-	4	1	-	-	0	-	2	0	7
68	VODAFONE	18.01.2017	-	-	-	0	0	-	0	-	-	0
69	HUAWEI TECHNOLOGIES	24.01 & 03.02.2017	-	-	-	0	0	-	-	-	-	0
70	VIA.COM	23 & 24.01.2017	-	-	-	2	-	-	1	-	-	3
71	LINDE	02.02.2017	-	1	-	-	-	-	-	2	-	3
72	ADOBE SYSTEMS	15.02.2017	-	-	-	-	0	-	0	-	-	0

Sl. No.	COMPANY	DATE OF SELECTION	NUMBER OF STUDENTS PLACED (BRANCH WISE)									
			B.Tech									
			BT	CHE	CE	CSE	ECE	EE	IT	ME	MME	TOTAL
73	MJUNCTION	16 & 17.02.2017	-	-	-	1	0	-	0	-	-	1
74	BPCL	20, 21 & 22.02.2017	-	-	1	-	-	-	-	2	-	3
75	REAL IMAGE	08 & 17.02.2017	-	-	-	0	-	-	0	-	-	0
76	BRIDGE & ROOF	16.02.2017	-	-	3	-	-	-	-	2	-	5
77	OMICS	23.02.2017	5	-	-	-	-	-	-	-	-	5
78	DBS	27.02.2017	0	0	0	0	0	0	0	0	0	0
79	VOITH PAPER	06.03.2017	-	1	-	-	-	-	-	0	-	1
80	SANKALP SEMICONDUCTOR	07.03.2017	-	-	-	-	0	0	-	-	-	0
81	IOCL	10.03.2017	-	-	-	-	4	-	-	5	-	9
82	INTAS PHARMACEUTICALS	20.03.2017	1	-	-	-	-	-	-	-	-	1
83	FLEAPO CORPORATION	25.03.2017	-	-	-	0	0	-	0	-	-	0
84	EWS	31.03.2017	0	2	-	-	0	-	-	1	0	3
85	OPAL	07.04.2017	-	4	-	-	-	-	-	-	-	4
86	NALCO WATER	13.04.2017	-	1	-	-	-	-	-	-	-	1
87	ACUVATE	14 & 15.04.2017	2	-	-	-	-	1	-	-	1	4
88	SIMPLEX	19.04.2017	-	-	7	-	-	-	-	-	-	7
89	MIDHANI	20.04.2017	-	-	-	-	-	1	-	3	1	5
90	AFCONS	20.04.2017	-	-	2	-	-	-	-	-	-	2
91	IPCL	21.04.2017	-	-	-	-	-	1	-	2	-	3
92	TIL	09.05.2017	-	-	-	-	-	0	-	0	-	0
93	RELIANCE DEFENCE	15.05.2017	-	-	-	-	-	0	-	4	2	6
94	INTERSOFT K K	17.05.2017	-	-	-	0	0	2	1	-	-	3
95	KOTAK MAHINDRA	18.05.2017	1	-	-	-	-	-	-	-	-	1
96	AUTO NINJA	19.05.2017	-	1	-	-	-	-	-	-	-	1
97	GUJRAT GUARDIA	23.05.2017	-	1	-	-	-	-	-	-	-	1
98	NEO METALIKS	24.05.2017	-	-	-	-	-	-	-	-	1	1
99	IFB	30.05.2017	-	-	-	-	-	-	-	0	-	0
100	DAIMLER	01.06.2017	-	-	-	-	-	-	-	1	-	1
101	QUALICOM	06.06.2017	-	2	-	-	-	-	-	3	-	5
102	FLIPKART	08.06.2017	-	-	-	-	-	-	-	-	1	1
103	BHUSHAN STEEL	12.06.2017	-	-	-	-	-	3	-	5	9	17
104	JACOBS	14.06.2017	-	0	0	-	-	0	-	0	-	0
105	OLA CABS	20.06.2017	-	-	-	0	0	-	0	0	-	0
Strength			66	53	54	86	95	87	85	132	73	731
Total Placed			39	32	34	64	66	48	62	84	40	469
Percentage Placed			59.09	60.38	62.96	74.42	69.47	55.17	72.94	63.64	54.79	64.16
Total Job Offered			41	45	37	70	77	59	65	98	43	535
Double Jobs			2	12	3	6	9	11	3	12	3	61
>Two Jobs			0	1	0	0	2	0	0	2	0	5

PG-PLACEMENT RECORDS (2016-17)

Sl. No.	COMPANY	DATE OF SELECTION	NUMBER OF STUDENTS PLACED (BRANCH WISE)																			
			M.Tech Specialization																	TOTAL		
			CC	ECE	EE	ME		CIV	CHE	BT	MME	CA	MATH	PHY	CSE	IT	EES					
HPC	TEL	VLSI	PE	PS	MD	FM	TE	GE	SE	CHE	BT	MMT	SE	OR	AMST	CSE	IT	EST				
Sharing Slot																						
1	INFOSYS	20 & 21.9.2016	4	0	2	-	-	0	0	1	2	0	-	-	1	2	-	-	3	0	-	15
2	IBM	3 & 4.10.2016	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1	-	5
Branch Wise Core Sector																						
1	DIRECTI	14, 21 & 22.07.2016	0	0	0	0	0	0	0	0	-	-	-	-	-	0	0	0	0	0	-	0
2	AMAZON	20 & 21.07.2016	0	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	0
3	YODLEE	27.07.2016	0	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	0
4	TECH RACERS	06.08.2016	0	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	0
5	FUSION CHARTS	9 & 10.08.2016	0	0	0	-	-	0	0	0	-	-	-	-	-	1	0	-	0	0	-	1
6	PWC	11 & 12.08.2016	1	0	0	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	1
7	ORACLE APPLICATION	13 & 17.08.2016	0	0	0	0	0	0	0	0	-	-	-	-	-	0	-	-	0	0	-	0
8	L&T ECC	16 & 17.08.2016	-	-	-	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0	0
9	AMDOCS	22 & 23.08.2016	1	0	0	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	1
10	QUALCOM	23 & 24.08.2016	-	1	1	0	0	-	-	-	-	-	-	-	-	0	-	-	0	0	-	2
11	MAQ SOFTWARE	26 & 29.08.2016	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	-	4
12	SMARTPRIX	29 & 30.08.2016	0	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	0
13	FACTSET	01 & 02.09.2016	0	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0	-	-	0
14	OFSS	13.08 & 7.9.2016	0	0	0	-	-	0	0	0	-	-	-	-	-	-	-	-	3	0	-	3
Sharing Slot																						
15	INCTURE TECHNOLOGIES	24.9.2016	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	1
16	TCS	14.10.2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
17	CUMMINS INDIA	18.10.2016	-	-	-	-	-	0	0	1	-	-	-	-	-	-	-	-	-	-	-	1
18	FIAT	9.11.2016	-	-	-	-	-	0	1	0	-	-	-	-	-	-	-	-	-	-	-	1
19	DYNAMIC DIGITAL	11.11.2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	-	0
20	AAKASH INSTITUTE	18 & 26.11.2016	-	0	0	-	-	0	1	0	0	0	0	0	0	-	0	0	-	0	-	1
21	PATHFINDER	30.11.2016	-	0	0	0	0	1	0	0	0	0	0	4	-	0	-	-	0	-	-	5
22	AVANTI LEARNING	01.12.2016	0	0	0	0	0	0	0	0	-	-	0	-	-	-	-	-	0	-	-	0
23	EXIDE	05.12.2016	-	-	-	-	-	0	0	1	-	-	-	-	-	-	-	-	-	-	-	1
24	CONCEPT EDUCATION	16.12.2016	-	0	0	-	-	0	0	1	0	0	0	0	-	0	-	-	-	0	-	1
25	IDEA CELLULAR	09 & 19.12.2016	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
26	VIA.COM	23 & 24.01.2017	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	0
27	HUAWEI TECHNOLOGIES	24.01 & 03.02.2017	0	0	0	-	-	-	-	-	-	-	-	-	-	0	-	-	0	-	-	0
28	REAL IMAGE	08 & 17.02.2017	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	0
29	GATE ACADEMY	15.02.2017	-	-	-	0	0	0	0	0	1	-	-	-	-	-	-	0	-	-	-	1
30	ADOBE SYSTEMS	15.02.2017	0	0	0	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	0
31	DBS	27.02.2017	0	0	0	-	-	-	-	-	-	-	-	-	0	0	0	-	-	0	-	0
32	C. V. RAMAN	06 & 07.03.2017	-	0	0	1	1	0	0	1	3	3	1	-	-	-	-	0	0	0	-	10
33	SANKALP SEMICONDUCTOR	07 & 22.03.2017	-	0	1	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

Sl. No.	COMPANY	DATE OF SELECTION	NUMBER OF STUDENTS PLACED (BRANCH WISE)																			
			M.Tech Specialization															TOTAL				
			CC	ECE	EE	ME			CIV	CHE	BT	MME	CA	MATH	PHY	CSE	IT		EES			
HPC	TEL	VLSI	PE	PS	MD	FM	TE	GE	SE	CHE	BT	MMT	SE	OR	AMST	CSE	IT	EST				
34	INTAS PHARMACEUTICALS	20.03.2017	-	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	5	
35	FLEAPO CORPORATION	25.03.2017	0	-	-	-	-	-	-	-	-	-	-	-	0	-	-	0	0	-	0	
36	S.R. PATEL	9 & 27.02.2017	0	0	0	-	-	-	-	0	0	-	-	-	-	0	0	-	1	-	1	
Sharing Slot																						
37	DESL	16.03 & 24.05.2017	-	-	-	0	0	0	0	1	-	-	-	-	-	-	-	-	-	-	1	
38	EWS	31.03.2017	-	-	-	-	0	0	0	-	-	0	-	0	-	0	-	-	0	-	0	
39	BSNL	12.04.2017	-	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
40	INTERSOFT K K	15.04 & 17.05.2017	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	1	
41	TECHNO INDIA	25.04.2017	-	-	-	-	-	-	-	5	3	-	-	-	-	-	-	-	-	-	8	
42	INDIAN RAILWAYS	27.04.2017	-	-	-	-	0	0	1	-	-	-	-	-	-	1	-	-	-	1	3	
43	ARMIET	30.04.2017	-	-	-	-	0	0	0	0	0	-	-	-	-	-	-	-	-	-	0	
44	DIGICOM	17.05.2017	0	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
45	GIGACOM	19.05.2017	0	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
46	BCREC	24.05.2017	-	-	-	-	0	0	2	-	-	-	-	-	-	-	-	-	-	-	2	
47	PCET	26.05.2017	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	
48	VARDHMAN STEEL	09.06.2017	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	
Strength			10	20	22	13	13	17	16	17	19	15	15	13	12	14	8	14	18	17	11	284
Total Placed			8	4	11	1	1	1	2	9	8	7	3	7	3	5	1	0	10	2	1	84
Total Job Offered			10	4	12	2	1	1	2	9	10	7	3	7	3	5	1	0	11	2	1	91
Double Jobs			2	0	1	1	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	7

Annexure – 11.11 (a) Non-Plan grant

Non-Plan Grant received in 2016-2017 – Rs. 5930.00 Lakhs.

Annexure – 11.11(b) Plan grant

Plan (General) Grant received in 2016-2017 – Rs. 4400.00 Lakhs

Annexure – 11.11(c) Sources of grants

Till Financial year 2002-03

Share of Recurring Expenditure were borne by Government of India and Government of West Bengal in 50:50 basis.

From financial year 2003-04 onward

Entire Recurring and Non-Recurring Grants are borne by Govt. of India.

Annexure – 11.11(d) Expenditure Position for Last Few Years

(Rupees in Lakhs)

Plan head Expenditure		Non-Plan head Expenditure	
2012-13	4050.00	2012-13	6101.14
2013-14	5058.03	2013-14	7296.61
2014-15	2495.36	2014-15	7573.72
2015-16	4750.82	2015-16	8092.35
2016-17(Unaudited)	2570.46	2016-17 (Unaudited)	11188.98

Plan head Expenditure in 2016-17 (unaudited) – Rs 2570.46 Lakhs

Non-Plan head Expenditure in 2016-17 (unaudited) – Rs 11188.98 Lakhs (including depreciation)

Annexure 11.12(a) Construction work completed/ in progress during the year 2016-17 (Plan grant project)

1. 500+ seated Girls' Hostel is inaugurated and the students are allotted to that hostel.
2. New Guest House is inaugurated and in under operation
3. Academic Block has also been inaugurated and 4 number 150 seated auditorium are in use for 1st year students. All other auditoriums and class rooms will be ready by the end of this month.
4. Renovation of toilet is completed except one.
5. 1250 seated Boys' Hostel is under construction. Internal as well as external finishing work is in progress. Expected to be completed by the end of this year.
6. Raising of Boundary wall of campus with peripheral road is in progress.
7. Civil work of 1500 seated auditorium is completed. Electrical work is in progress.
8. Renovation of old hostels and residential quarters has not been started.
9. Extension of dining halls of three hostels 1, 2 and 5 is completed and is under use.
10. External and Internal Paintings of Halls 1 to 9 is almost completed.

Annexure – 11.13 List of Laboratories

Department	Laboratories
Biotechnology	Biochemistry, Microbiology, Bioinformatics, Molecular Biology & rDNA Technology, Immunology, Fermentation Technology, Bioseparation Technology, Bioprocess Engineering, Plant Biotechnology, Food Biotechnology
Chemical Engineering	Heat Transfer Lab, Mass Transfer Lab, Fluid Flow Lab, Mechanical Operations Lab, Environmental and Membrane Technology Lab, Computing Lab, Energy Lab, Adsorption Lab, Chemical & Bio-Chemical Reaction. Engg. Lab, Process Control Lab, Combustion Engineering Lab, Multi-phase Flow Lab, Process Modelling & Simulation Lab, Central Research Laboratory, Process Equipment Design Lab, Thermo-fluid laboratory
Chemistry	M. Tech (Corrosion Sc. & Tech.) Laboratory, PG (M.Sc.) Laboratory, UG (B.Tech.) Laboratory, Synthesis & Analytical Laboratory, Inorganic Synthesis and Environmental Laboratory, Natural Product & Biological Chemistry Laboratory, Bio-molecular Modelling Laboratory, Instrumentation Laboratory -1, Instrumentation Laboratory -2, Computer Laboratory cum Library
Civil Engineering	Concrete and Structure Laboratory, Highway Engineering Laboratory, Surveying Laboratory, Environmental Engineering Laboratory, Soil Mechanics Laboratory, Water Resources Engineering Laboratory, Exciter and FFT analyser for Earthquake Laboratory, SHM Laboratory
Computer Applications	Advanced Networking Laboratory, Advanced Software Engineering Laboratory, DBMS Laboratory(Shared with Dept. of CSE), Microcomputer and VLSI Lab Laboratory, Internet Laboratory(Shared with Dept. of CSE), Programming Laboratory
Computer Science & Engineering	Project Laboratory, Programming Laboratory-I, Programming Laboratory-II, DBMS Laboratory, Faculty Laboratory, Hardware Laboratory, Networking Laboratory, Computer Vision and Graphics Laboratory
Earth and Environmental Studies	Environmental Laboratory, Research Laboratory, Computer Laboratory, Geology Laboratory, Instrument Laboratory, Contaminant Transport Laboratory, Environmental Laboratory-II

Electrical Engineering	Electrical Machines & Drives Laboratory, Power System Laboratories (I & II), Control Systems Laboratory, Power Electronics Laboratory, Microprocessor and Micro-controller Laboratory, Energy Systems Laboratory, Computing laboratory, Circuits and Measurements Laboratory, Printed Circuit Board Laboratory, Power Audit Laboratory, High Voltage Laboratory, Instrumentation Laboratory
Electronics & Communication Engineering	Electronics Circuit Lab, Network Lab, VLSI Lab, Digital Electronics Lab, Communication Lab, Industrial Electronics Lab, Instrumentation Lab, Microprocessor Lab, Computer architecture Lab, Microwave Lab, PCB Lab, Microwave and Antenna Research Laboratory, Microwave Component Design Laboratory, Advanced Communication Lab (for PG)
Information Technology	Systems and Networking Laboratory, Application Laboratory, Embedded Systems Laboratory, Digital Signal Processing and Microprocessor Laboratory, Communication Laboratory, Project and Research Laboratory
Mathematics	Computer Laboratory
Mechanical Engineering	Automobile Laboratory, CAD /CAM Laboratory, CFD Laboratory, Fluid Mechanics & Hydraulic Machines Laboratory, Heat Power Laboratory, Machine Computation & Computer Graphics Laboratory, Machine Dynamics Laboratory, Manufacturing Science Laboratory, Metrology Laboratory, Production Engg Lab. Robotics & AI Laboratory, Simulation Laboratory, Thermal Energy Laboratory.
Metallurgical & Materials Engineering	Computer Application in Metallurgical Process Laboratory for UG, Computer Application in Metallurgical Process Laboratory for PG, Chemical Analysis Laboratory, Foundry Laboratory, Heat Treatment Laboratory, Mechanical Testing Laboratory, Metallography and Phase Transformation Laboratory, Thermodynamics of Materials Laboratory, Process Metallurgy Laboratory, Electrometallurgy and Corrosion Laboratory, X-ray Diffraction and Thin Film Laboratory, Nanomaterials and Composites Laboratory.
Physics	Nanoscience Laboratory, Materials Science Laboratory, X-ray Diffraction Laboratory, Low Temperature Characterization Laboratory, Laser Laboratory, Electronics Laboratory, Carbon Nanotechnology Laboratory, Optical sensor laboratory
Central Instrumentation Facility	Scanning Electron Microscope with EDS, X-Ray Diffractometer, Nd:YAG Laser Unit, Spectrum Analyzer
Department	Laboratories
Management Studies	Systems Lab

Annexure-11.14 Technical Education Quality Improvement Programme (TEQIP)

Life time of TEQIP-II was extended finally till March 2017 with an additional funding due to well performance to achieve the project target as mentioned in Institutional development proposal. The Institute has modernized or substantiate with large number of equipment for strengthening PG and research laboratories with a funding of 704.13 lakhs under TEQIP II. Finally, the Institute has spent Rs. 1524.45 lakhs under different activities of TEQIP II and Rs. 148 lakhs under the head of "Modernizing NITs" for strengthening UG laboratories and developing 22 smart class rooms and 3 virtual class rooms. Most of the research scholars under TEQIP II will be submitting the thesis within 2017.

A Centre of Excellence (COE) on "Advanced Materials", a multi-disciplinary research centre with participation from Departments of Physics and Metallurgical Engineering in TEQIP-II has successfully completed the scheduled activities. The total expenditure of COE for different activities is Rs. 514.2 lakhs out of which Rs. 284.6 lakhs has been spent for strengthening research laboratories with sophisticated analytical Instruments. 5 research scholars under COE pursuing doctoral programme are expected to complete by 2018.

Annexure-11.15 Alumni

NIT Durgapur Alumni Association (NITDAA) was formed in 2002 at the behest of the Board of Governors, RECD. Since then, NITDAA has spread its wings all over the world – setting up chapters in USA UK, UAE, Singapre, etc. apart from various cities and towns in the country. The 15th Annual Global Meet of NITDAA was held in the Institute campus on January 11, 2015. It is closely associated with the development of the Institute. It has instituted Prof S.N. Ray Scholarship for eight students per year. It has extended financial assistance to students for internship abroad. In order to have close relationship with the present students, NITDAA has contributed to the students' technical and cultural programmes as well.

Annexure-11.16 Other relevant information

Annexure 11.16 (a): Books authored during 2016-17

Department of Biotechnology

Author	Title of the book	Publisher	Date of Publication
Basak, B. and Dey, A.	Advances in Environmental engineering and Green technologies (AEEGT): Toxicity and Waste management using Bioremediation	IGI global	2016
Banerjee, A., Ray, S. & Dey, A	Advances in Dynamics, Vibration and Control : Molecular Modeling and Computing for PDZ protein(A-1 Syntrophin) from Homo Sapiens: A Comparative Optimization approach for Protein/Drug affinity	Narosa publishing house, Kolkata	2016
Sar, P., Paul, D., Sarkar, A., Bharadwaj, R. and Kazy, S.K.	Microbiology of arsenic contaminated groundwater” in "Microbiology for Minerals, Metals, Materials and Environment", Eds Abhilash, B.D. Pandey and K.A. Natarajan, pp. 478 – 525. ISBN 13:978-1-4822-5729-8	CRC press, Boca Raton, FL	January, 2015

Department of Chemical Engineering

Author	Title of the book	Publisher	Date of Publication
Parimal Pal	Industrial Water Treatment Process Technology	Elsevier Science	Feb 2017
Parimal Pal	Groundwater Arsenic Remediation	Elsevier Sc.	May2016
M. K. Mandal	Chapter 10: Bioremediation of Water: A Sustainable Approach by S. Chakraborty, J. Sikder, D. Mukherjee, M. K. Mandal and D. L. Arockasamy	John Wiley & Sons Ltd	2013

Department of Computer Science and Engineering

Author	Title of the book	Publisher	Date of Publication
Dawson, M., Kisku, D.R., Gupta, P., Sing, J.K., and Li, W.	Developing Next-Generation Countermeasures for Homeland Security Threat Prevention	IGI Global, Pennsylvania, USA	19th August, 2016
Mandal, J.K., Mukhopadhyay, S., and Pal, T. (Editors)	Handbook of Research on Natural Computing for Optimization Problems (2 Volumes)	IGI Global, Pennsylvania, USA	May, 2016

Department of Management Studies

Author	Title of the book	Publisher	Date of Publication
Sanyal, U. and Pal, D.	A book chapter entitled "Impact of Pro-Environmental Organizational Climate on Employee Green Behaviour: A New Perspective on Organizational Sustainability" to be published in an edited book "Innovative HR Practices in the New Age Organizations"	Palgrave MacMillan, London	Accepted for publication on 18th March, 2017

Department of Mathematics

Author	Title of the book	Publisher	Date of Publication
Mandal, K., Basu, K.	New Trends in Neutrosophic Theories and Applications, ISBN 978-1-59973-498-9 (one chapter)	Pons Editions, Brussels, EU	November, 2016

Department of Metallurgical and Materials Engineering

Author	Title of the book	Publisher	Date of Publication
Acharya Saikat, Ghosh, K.S, Mondal D.K.	Book Chapter Title: Design issues in high strain rate dynamic compressive failure of structural ceramics, polymers and composites	Francis and Taylor	2016.

Department of Physics

Author	Title of the book	Publisher	Date of Publication
Chakraborty, AK	"Carbon Nanotube Induced Targeted Drug Delivery (Chapter 15)" in the book entitled "Bio targets and drug delivery approaches"	CRC Press, UK	October 18, 2016

Annexure 11.15 (b).i: Reviews of manuscripts for publication in journals (Sort alphabetically by column 1, surname)

Department of Biotechnology

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Bhattacharjee, A.	PLOS ONE	PLOS	November, 2016
Dutta, D.	Journal of Food Science and Technology	Springer	March, 2017
Dutta, D.	Journal of Functional Food	Elsevier	December, 2016
Dutta, D.	Separation Science and Technology	Taylor and Francis	June, 2016
Dutta, D.	LWT- Food Science and Technology	Elsevier	April, 2016
Kazy S. K.	Environmental Science and pollution Research	Springer	March, 2017
Mahata, N.	Bioengineered	Taylor and Francis	August, 2016

Department of Chemical Engineering

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Gupta P.	Energy & Fuels	American Chemical Society (ACS)	April 02, 2017
Gupta P.	Asia-Pacific Journal of Chemical Engineering	Wiley	July 10, 2016
Gupta P.	Haliyon	Elsevier	September 05, 2016
Gupta P.	Haliyon	Elsevier	March 29, 2017
Halder, G.	Journal of Hazardous material	Elsevier	May 2016
Halder, G.	Journal of Environmental Chemical Engg	Elsevier	June 2016
Halder, G.	Chemosphere	Elsevier	July 2016
Halder, G.	Chemical Engg Data	ACS	August 2016
Halder, G.	RSC advances	RSC	Sept 2016
Halder, G.	Journal of Greenhouse gas control	Elsevier	Nov 2016
Halder, G.	Process Safety and Environmental Protection	Elsevier	December 2016
Halder, G.	Environmental Progress and Sustainable Energy	Wiley	January 2017
Halder, G.	Environmental Science and Pollution research	Springer	Feb 2017
A. K. Sadhukhan	Energy & fuels	ACS	21.7.2016
Pal, Parimal	Chemical Engineering Science	Elsevier Sc.	18.4.2016
Pal, Parimal	Journal of Membrane Science	Elsevier Sc.	19.4.2016
Pal, Parimal	Biochemical Engineering Journal	Elsevier Sc.	19.4.2016
Pal, Parimal	International Journal of Biological Macromolecules	Elsevier Sc.	25.4.2016
Pal, Parimal	IEIE, Springer	Springer	8.5.2016
Pal, Parimal	Chemosphere	Elsevier Sc.	8.5.2016
Pal, Parimal	Journal of Cleaner Production	Elsevier Sc.	10.5.2016
Pal, Parimal	Biotechnology Reports	Elsevier Sc.	19.5.2016
Pal, Parimal	Bioresource Technology	Elsevier Sc.	4.6.2016
Pal, Parimal	Environmental Process	Springer	5.6.2016
Pal, Parimal	Journal of Membrane Science	Elsevier Sc.	7.6.2016
Pal, Parimal	Journal of Cleaner Production	Elsevier Sc.	22.6.2016
Pal, Parimal	Journal of Cleaner Production	Elsevier Sc.	5.8.2016
Pal, Parimal	Journal of Membrane Science	Elsevier Science	7.8.2016
Pal, Parimal	International J. of Environmental Sc.&Tech	Springer	12.8.2016
Pal, Parimal	Journal of Env. Sc. & Technology	Springer	13.8.2016
Pal, Parimal	Journal of Membrane Sc.	Elsevier Sc.	21.8.2016
Pal, Parimal	Langmuir	Elsevier Science	23.8.2016
Pal, Parimal	Desalination	Elsevier Sc.	28.8.2016
Pal, Parimal	Water Environment Research	Water Env.Fed.USA	17.9.2016
Pal, Parimal	Journal of Cleaner Production	Elsevier Sc.	18.9.2016
Pal, Parimal	Chemical Engineering Science	Elsevier Sc.	1.10.2016
Pal, Parimal	Chemical Technology & biotechnology	Wiley	15.10.2016
Pal, Parimal	Journal of Membrane Science	Elsevier Sc.	18.10.2016
Pal, Parimal	Biochemical Engineering Journal	Elsevier Sc.	8.11.2016

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Pal, Parimal	Agricultural Water Management	Elsevier Sc.	26.11.2016
Pal, Parimal	Water Sc. & Technology	Elsevier Sc.	16.12.2016
Pal, Parimal	Journal of Environmental Technology	Taylor and Francis	29.12.2016
Pal, Parimal	Applied Water Sc.	Springer	29.12.2016
Pal, Parimal	Journal of Environmental Sc.	Elsevier Sc.	23.1.2017
Pal, Parimal	CLEAN - Soil, Air, Water	Wiley	7.2.2017
Pal, Parimal	Journal of Environmental Technology	Taylor and Francis	8.2.2017
Sadhukhan , A K.	Energy & fuels	ACS	15.1.2017

Department of Chemistry

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	23-04-2016
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	30-05-2016
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	26-06-2016
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	25-07-2016
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	23-08-2016
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	18-10-2016
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	16-11-2016
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	16-02-2017
Mukhopadhyay B.P.	Journal of Biomolecular Structure & Dynamics	Taylor and Francis	17-03-2017
Patra A. K.	Dalton Transaction	Royal Society of Chemistry	March, 2016
Patra A. K.	Research on Chemical Intermediates	Springer	November, 2016
Saha R. N.	Journal of Environmental Chemical Engineering	Elsevier	27.09.16
Sukul D.	J Molecular Liquids	Elsevier	19.09.2016
Sukul D.	J Taiwan Institute Chemical Engineers	Elsevier	21.02.2017
Sukul D.	J Taiwan Institute Chemical Engineers	Elsevier	04.05.2016
Sukul D.	Chemical Engineering Communications	Taylor and Francis	18.10.2016
Sukul D.	Materials Research	Universidade Federal de Sao Carlos	19.03.2017
Sukul D.	Int J Industrial Chemistry	Springer	28.12.2016
Sukul D.	Int J Industrial Chemistry	Springer	06.07.2016

Department of Civil Engineering

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Das D.	Engineering Structures	Elsevier	December, 2016
Das D.	ACI Structural Journal	American Concrete Institute	January, 2017
Das D.	Current Science	Indian Academy of Sciences	May 2017
Das D.	Current Science	Indian Academy of Sciences	June 2017
Nanda R. P.	Engineering Structure	Elsevier	April12, 2017
Samanta A. K.	Ocean Engineering OE-D-14-00502R2	Elsevier	April, 2016
Samanta A. K.	Journal of Institution of Engineers(I) : IEIA-D-15-00112R1	Springer	May, 2016
Samanta A. K.	Structural Engineering and Mechanics, An International Journal: SEM69679C	Techno Press	Nov 2016

Department of Computer Science and Engineering

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Dalui, M.	Transactions on Parallel and Distributed Systems	IEEE	21st December, 2016
Dalui, M.	Journal of Parallel and Distributed Computing	Elsevier	18th December, 2016
Kisku, D.R.	IEEE Signal Processing Letters	IEEE	16th June, 2016
Kisku, D.R.	Computers and Electrical Engineering	Elsevier	6th March, 2017
Kisku, D.R.	Pattern Recognition Letters	Elsevier	22nd December, 2016
Nandi, D.	Microsystem Technologies	Springer	7th November, 2016
Sarker, G.	Sadhana	Indian Academy of Science, Springer	5th February, 2017
Sarker, G.	Journal of the Institution of Engineers	IE(I) Series B, Springer	17th January, 2017
Sen, B	JCSC	World Scientific	21st November, 2016
Sen, B	JCSC	World Scientific	20th November, 2016
Sen, B	IET CDS	IET	30th September, 2016
Sen, B	ASEJ	Elsevier	29th September, 2016
Sen, B	TETC	IEEE	9th February, 2016

Department of Electrical Engineering

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Banerjee S	IEEE Trans. on IE	IEEE	27.12.2016
Acharjee P.	IEEE Transactions on Power Systems	IEEE	February, 2017
Acharjee P	IEEE Transactions on Power Delivery	IEEE	December 2016
Acharjee P	IET Gen. Trans. Dist.	IET	November 2016
Acharjee P	International Journal of Electric Power and Energy Systems, Elsevier	Elsevier	October 2016
Acharjee P	International Journal of Electric Power Systems Research, Elsevier	Elsevier	July 2016
Mahato S. N.	IET Electric Power Applications	IET	19.03.2017
Mahato S. N.	Electric Power Components and Systems	Taylor and Francis	16.06.2016
Saha T K	Transaction of Mechatronics	IEEE	31-Aug-2016
Saha T K	Transaction of Mechatronics	IEEE	21-Sep-2016
Saha T K	Transaction of Mechatronics	IEEE	26-Oct-2016
Saha T K	Transaction of Mechatronics	IEEE	14-Feb-2017
Saha T K	Transaction on Sustainable Energy	IEEE	13-Jun-2016
Saha T K	Journal of Emerging and Selected Topics in Power Electronics	IEEE	03-Jun-2017

Department of Electronics and Communication Engineering

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Bhattacharjee A.K.	IEEE Transaction on Antenna and Propagation, PIER, AEUE International journal of Electronics and Communication, JEMWA, IEEE Antennas and Wireless Propagation Letters	IEEE/ IET, Springer, Elsevier, Taylor Francis	2016-17
Chandra A.	IEEE Antennas and Wireless Propagation Letters	IEEE	April 04, 2017
Chandra A.	IEEE Transactions on Vehicular Technology	IEEE	May 25, 2016
Chandra A.	IEEE Transactions on Vehicular Technology	IEEE	November 29, 2016
Ghatak R.	IEEE Transaction on Antenna and Propagation, IEEE Transaction on Microwave Theory and Techniques, IEEE Microwave and Wireless Propagation Letters, IET Microwave Antennas and Propagation, PIER, AEUE International journal of Electronics and Communication, RFMICA, JEMWA	IEEE/ IET, Springer, Elsevier, Taylor Francis	2016-17
Mahapatra R	Journal of Physics D: applied Physics	Institute of Physics	June 2016
Mahapatra R	Journal of Alloys and Compounds	Elsevier	January 2017
Mahapatra R.	Solid State Technology	Institute of Physics	Feb 2017
Mandal D.	Swarm and Evolutionary Computation, Alexandria Engineering Journal, Circuits, Systems & Signal Processing, International Journal of Electronics, IETE Technical Review, AEUE,	IEEE/ IET, Springer, Elsevier, Taylor Francis	2016 - 2017
Mandal S. K.	IET Microwaves, Antennas and Propagation, IETE Journal of Research, Progress in Electromagnetic Research	IEEE, Taylor & Francis, PIER	2016 - 2017

Department of Earth and Environmental Studies

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Sandip Mondal	Environmental Engineering Science	Mary Ann Liebert, Inc	02-Mar-2017

Department of Management Studies

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
De, Anupam	Amity Journal of Finance	Amity University	August, 2016
Ghosh, Amlan	Journal of Institutional Economics	Cambridge University Press	November 2016
Ghosh, Amlan	IIMB-Management Review	Elsevier	March 2017
Pal, Durba	Journal of the Indian Academy of Applied Psychology	IAAP	March, 2017
Prof.M.Roy	Journal of Cleaner Production, Elsevier Sc.	Elsevier Science	7th May 2016
Prof.M.Roy	Water Resource Management	Elsevier Science	8th May 2016

Department of Mathematics

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Bagchi, S.	Journal of Medical Systems	Springer	August, 2016
Bagchi, S.	Advances in Applied Clifford Algebras	Springer	February, 2017
Dey, L.K.	Filomat	University of Nis	April, 2016
Dey, L.K.	J. Nonlinear Sci. Appl.	International Scientific Research Publications	June, 2016
Dey, L.K.	Discrete Dynamics in Nature and Society	Hindawi	March, 2017
Pal, A.	SIAM J. DISCRETE MATH.	Society for Industrial and Applied Mathematics.	November 6, 2016
Pal, A.	Discrete Applied Mathematics	Elsevier	June 16, 2016
Pal, A.	Annals of Fuzzy Mathematics and Informatics	Kyong Moon SA, Korea	July 1, 2016
Pal, A.	Mathematical Reviews	American Mathematical Society	August 03, 2016
Pal, A.	Pacific Science Review	Elsevier	December 12, 2016
Pal, A.	AKCE International Journal of Graphs and Combination	Elsevier	February 22, 2017
Pal, A.	Iranian Journal of Fuzzy System	SCImago	March 2, 2017
Sarkar (Mondal), S.	International Journal of Operational Research	Inderscience	June 16, 2016

Department of Mechanical Engineering

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Banerjee Nilotpal	Int. J. of Heavy Vehicle Systems Paper ID: IJHVS-671	Inderscience	26 September 2016
Banerjee Nilotpal	Int. J. of Heavy Vehicle Systems Paper ID: IJHVS-2530	Inderscience	10 November 2016
Banerjee Nilotpal	Journal of Dynamic Systems, Measurement and Control	ASME	6 April 2016
Banerjee Nilotpal	Transactions of the Society for Modeling and Simulation International. Manuscript ID : A-16-0228	Sage Publication	10 August 2016
Banerjee Nilotpal	Transactions of the Society for Modeling and Simulation International. Manuscript ID : A-16-0307	Sage Publication	05 January 2017
Layek Apurba	Energy	Elsevier	March 2017
Layek Apurba	International Journal of Renewable Energy Research	Gazi University	May, 2016
Layek Apurba	International Journal of Renewable Energy Research	Gazi University	June, 2016
Layek Apurba	International Journal of Renewable Energy Research	Gazi University	Dec, 2016
Layek Apurba	Renewable Energy	Elsevier	Feb 2017
Pramanick, Achintya Kumar	International Journal of Heat and Mass Transfer	Elsevier	April, 2016
Pramanick, Achintya Kumar	International Journal of Heat and Mass Transfer	Elsevier	August, 2016

Department of Metallurgical and Materials Engineering

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Mandal D	J. Materials Engineering and Performance	ASM International	Mar 2016
Ghosh M.M.	Modelling and Simulation in Materials Science and Engineering	IOP Science	Sept. 09, 2016
Ghosh M.M.	Materials Research Express	IOP Science	Nov. 28, 2016
Ghosh M.M.	RSC Advances	Royal Society of Chemistry	Mar. 24, 2017
Bera S	Metallurgical and Materials Transaction A	Springer	Aug 2016
Ghosh K. S.	Internationals J. Materials Research	Hanser	May 2016
Ghosh K. S.	Acta Matellurgica Sinica Materials and Design	Springer	June 2016
Ghosh K. S.	J of Thermal Analysis and Calorimetry	Elsevier	July 2016
Ghosh K. S.	Material Sci and Engg C (Two manuscripts)	Springer	Aug 2016
Ghosh K. S.	Transactions of Nonferrous Meat Society of China	Elsevier	June 2016
Ghosh K. S.	Transactions of Nonferrous Meat Society of China	Elsevier	Nov 2016
Ghosh K. S.	Indian J of Engg & mats Sci.	ISCIS	Jan 2017

Department of Physics

Reviewer	Name of the Journal	Publisher	Date (of Final Review)
Chakraborty, AK	ACS Applied Materials & Interface	American Chemical Society	December 19, 2016
Kumbhakar, P.	RSC Advances		July 4, 2016
Kumbhakar, P.	Optics Express	OSA	July 12, 2016
Kumbhakar, P.	Materials Research Bulletin	Elsevier	July 14, 2016
Kumbhakar, P.	Spectrochimica Acta: Part A	Elsevier	Sept. 25, 2016
Kumbhakar, P.	JOSA B	OSA	Sept., 2016
Kumbhakar, P.	IJP	IACS	Oct., 2016
Kumbhakar, P.	RSC Advances	RSC	Oct. 24, 2016
Kumbhakar, P.	Opt. Materials	Elsevier	Nov. 15, 2016
Kumbhakar, P.	RSC Advances	RSC	Jan. 10, 2017
Kumbhakar, P.	Optical Mat. Express	OSA	Jan. 21, 2017
Kumbhakar, P.	Diamond & Related Materials	Elsevier	March 2, 2017
Kumbhakar, P.	RSC Advances	RSC	March 14, 2017
Meikap, A K	RSC Advances	Royal Soc. of Chem	April 2016
Meikap, A K	Polymer Composites	John Wiley & Sons	May 2016
Meikap, A K	Polymer Engg. Science	John Wiley & Sons	June 2016
Meikap, A K	Polymer Composites	John Wiley & Sons	July 2016
Meikap, A K	Polymer Composites	John Wiley & Sons	August 2016
Meikap, A K	Materials Research Bulletin	Elsevier	September 2016
Meikap, A K	J. Applied Polymer Science	John Wiley & Sons	October 2016
Meikap, A K	Synthetic Metals	Elsevier	November 2016
Meikap, A K	Materials Chemistry and Physics	Elsevier	March 2017
Mondal A.	Optics Communications	Elsevier	16 Apr 2016
Mondal A.	IEEE Transactions on Nanotechnology	IEEE	27-Apr-2016
Mondal A.	Journal of Electronic Materials	Springer	May 10, 2016, 3 Jun 2016, Jun 7, 2016, Jun 19, 2016, 15 Feb 2017, Feb 25, 2017
Mondal A.	Plasmonics	Springer	4 Jun 2016, Mar 26, 2017
Mondal A.	Materials Science in Semiconductor Processing	Elsevier	Aug 3, 2016
Mondal A.	ACS Omega	ACS	Aug 26, 2016
Mondal A.	Thin Solid Films	Elsevier	4 Sep 2016
Sahoo S.	Materials Chemistry and Physics	Elsevier	April, 2016
Sahoo S.	Universal Journal of Physics and Application	Horizon Research Publishing, USA)	November, 2016

Annexure 11.16 (b).ii: Reviews of books during 2016-17**Department of Chemical Engineering**

Reviewer	Name and author of the book	Publisher	Date
Pal, Parimal	Nanotechnology for Water and Wastewater Treatment: Theory and Applications, E.Drioli	Elsevier Sc.	17.12.2016

Department of Metallurgical and Materials Engineering

Reviewer	Name and author of the book	Publisher	Date
Maity J	Friction, Lubrication and Wear Technology	ASM Handbook, Volume 18:	04-02-2017

Department of Humanities and social Sciences

Reviewer	Name and author of the book	Publisher	Date
Banerjee, J.	Lubna Irfan	Cengage	Yet to be published

Annexure 11.16 (c). Participation in National Committees/ visits during 2016-17**Department of Biotechnology**

Name of the faculty	Name of the committee	Place of visit	Date
Chattopadhyay, S.	Task Force, DBT, Govt. of India	DBT, New Delhi	2016
Chattopadhyay, S.	PAC, DST, Govt. of India	DST, New Delhi	2016
Chattopadhyay, S.	INSPIRE Faculty Selection Committee, Govt. of India	DST-INSA, New Delhi	2016
Chattopadhyay, S.	SAC-RAP	Bose Institute, Kolkata	2016

Department of Electrical Engineering

Name of the faculty	Name of the committee	Place of visit	Date
Ghosh S.	Data Audit, TEQIP II	NIT Rourkela	25-28.08.2016

Department of Computer Science and Engineering

Name of the faculty	Name of the committee	Place of visit	Date
Sarker, G.	Technical Committee Chairman, One Day Seminar on Decision Making using Fuzzy Sets, IE(I)	Durgapur	3rd April, 2016

Annexure 11.16 (d): Invited examiners/paper-setters /board of studies (Sort alphabetically by column 1, surname)

Department of Biotechnology

Name of the faculty	Name of the examination	University/Institute	Date
Bhattacharjee, A.	Ph.D. thesis evaluation	Integral University Lucknow	February-March 2017
Dutta, D.	Ph.D. thesis evaluation	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	October, 2016
Kazy S K	M.Sc (Biotechnology) theory paper setter for semester examination	Burdwan University	November, 2016

Department of Chemical Engineering

Name of the faculty	Name of the examination	University/Institute	Date
Das, B.	B.Tech 3rd Semester Chemical Engg	University College of Science and Technology, Kolkata	March12-13, 2016
Das, B.	B.Tech 6th Semester Chemical Engg	University College of Science and Technology, Kolkata	June 15, 2017
Gupta P.	M. Tech. project viva voce	IIT Kharagpur	May 02, 2016
Halder, G.	B.Tech 3rd Semester Chemical Engg	University College of Science and Technology, Kolkata	March 8-9, 2017
Halder, G.	B.Tech 6th sem Petroleum Engg	Indian Institute of Technology-ISM-Dhanbad	September, 2016
Mandal, T.	Dual M.tech Viva Voce	IIT Kharagpur	MAY 2017

Department of Chemistry

Name of the faculty	Name of the examination	University/Institute	Date
Adhikari U.	M.Sc.	Kazi Nazrul University, Asansol	01.03.2017
Adhikari U.	M.Sc.	Sidho-Kanho-Birsha university, Purulia	10.02.2017
Adhikari U.	M.Sc.	Visva-Bharati	
Chakrabarty J.	MCHEM0205: Organic Chemistry	Kazi Nazrul university	11.08.2016
Mukhopadhyay B.P.	U.G. Board of studies in Bio Chemistry	Kazi Nazrul university	05-07-2016
Mukhopadhyay B.P.	M.Sc. Biotechnology	Burdwan University	26-07-2016
Mukhopadhyay B.P.	U.G. Board of studies in Bio Chemistry	Kazi Nazrul university	21-10-2016
Patra, A. K.	M.Sc.Paper-setters	Burdwan University	20.06.2016
Saha R.N.	Examiner for the UG Part-I Practical examination 2016	Kazi Nazrul University	29/06/16 to 30.06.2016.
Saha R.N.	Examiner for practical examination for M.Sc., Semester-II, 2016	Conservation Biology, Durgapur Government College, Durgapur	11.08.16

Name of the faculty	Name of the examination	University/Institute	Date
Saha R.N.	Examiner for M.Sc., Semester-II Practical Examination	Burdwan University	29.08.16
Saha R.N.	Board of Moderators for PhD Course Work Examination	NIT Srinagar	13.12.2016
Saha R.N.	Examiner for practical examination for PG CB CP-0106,	Durgapur Government College	22.02.17

Department of Civil Engineering

Name of the faculty	Name of the examination	University/Institute	Date
Samanta A. K.	External expert for Pre-Regn Seminar for PhD enrolment	Jadavpur University	April 2016
Samanta A. K.	External expert for MTech Thesis Examination of Construction tengg Deptt.	Jadavpur University	June 2016

Department of Computer Science and Engineering

Name of the faculty	Name of the examination	University/Institute	Date
Chandran, S.	PhD Thesis	Anna University	April, 2016
Chandran, S.	PhD Thesis	Anna University	August, 2016
Chandran, S.	PhD Thesis	Anna University	November, 2016
Chandran, S.	PhD Thesis	Anna University	December, 2016
Chandran, S.	PhD Thesis	Anna University	January, 2016
Dutta, A	MCA	BIT Mesra	May 2016
Mitra, D.	M.Tech.	IEST Shibpur	May 2016

Department of Electrical Engineering

Name of the faculty	Name of the examination	University/Institute	Date
Ghosh S.	PhD Viva Voce	NIT, Nagaland	27.12.2016
Banerjee S	AMIE, Paper Setter	IE(I)	May,2016
Banerjee S	Selection of Engineer,Paper Setter	Bankura Zilla Parisad	June, 2016
Banerjee S	PhD Viva-voce	Utkal University	18.11.2016
Banerjee S	Progress Seminar, PhD	IEST, Shibpur	17.02.2017
Banerjee S	PhD Viva-voce	Jadavpur University	17.02.2017
Banerjee S	Poster Session Evaluator for Research Scholar	IIT Kharagpur	06.02.2017
Banerjee S	Appraisal interview for faculty members	JIS School of Polytechnic, Kalyani	26.04.2016
Banerjee S	Appraisal interview for faculty members	Asansol Engineering College	28.04.2016

Department of Electronics and Communication Engineering

Name of the faculty	Name of the examination	University/Institute	Date
Ghatak, R.	M. Tech (Microwave) Viva	The University of Burdwan	2016-17 odd sem and even sem

Department of Management Studies

Name of the faculty	Name of the examination	University/Institute	Date
De,A.	B.Com (Hons.) (Cost Accounting)	Integral University Lucknow	Third Semester, 2016-17

Department of Mathematics

Name of the faculty	Name of the examination	University/Institute	Date
Basu K	final year M.Sc project Seminar	IIT, Kharagpur	2.05.2017

Department of Mechanical Engineering

Name of the faculty	Name of the examination	University/Institute	Date
Banerjee Nilotpal	M.Tech	IIT Kharagpur	2-3 May 2016
Banerjee Nilotpal	M.Tech	ISM Dhanbad	28 April 2016
Barman Rabindra Nath	B.Tech(ME-311,Fluid Machines)	Himachal Pradesh Technical university	02/09/2016
Layek Apurba	M Tech Thesis	NIT Jamshedpur	13 June 2016
Layek Apurba	Ph.D. thesis evaluation	MANIT Bhopal	03Aug 2016
Puri A. B.	B. Tech	Integral University Lucknow	Mar 2017
Roy S. S.	External expert for the Board of Examiners to examine M.Tech. Thesis	IEST Shibpur	May, 2016
Patari A.	B. Tech	University College of Engg (Autonomous) Jawaharlal Nehru Tech University Kakinada	Oct, 2016

Department of Physics

Name of the faculty	Name of the examination	University/Institute	Date
Chakraborty, AK	External Examiner for two practical examinations, Integrated M. Sc. (Sem-III & V)	Visva Bharati University, Shantiniketan, WB	November 30, 2016
Kumbhakar P.	M.Sc. (Physics) project work assessment	IIT Kharagpur	May 4, 2016
Kumbhakar P.	Syllabus Committee of Physics	Kazi Nazrul University, Asansol	June2-3, 2016
Kumbhakar P.	Member of Board of Moderators in M.Sc. (Phys. 3rd Sem)	Burdwan University	Dec. 7, 2016
Kumbhakar P.	Assessor in the Performance Management of Faculty Members of "Physics"	JIS Group, "Asansol Engineering College", Asansol	March 30, 2017

Name of the faculty	Name of the examination	University/Institute	Date
Meikap A. K.	Paper setter & Examiner	The Indian Institute of Metal, Kolkata	2016-2017
Meikap A. K.	Examiner	Institute of Engineers, Kolkata	2016-2017
Meikap A. K.	Paper Setter	Burdwan University, Burdwan	2016-2017
Mondal A.	Doctoral committee meeting	NIT Nagaland	1st -2nd October, 2016

Annexure 11.15 (e): Invited experts in selection committee (Sort alphabetically by column 1, surname)

Department of Biotechnology

Name of the faculty	Discipline	University/Institute	Date
Kazy, S. K.	Selection of JRF/Project Assistant	CSIR-CMERI	September 2016
Kazy, S. K.	Selection of JRF/SRF/Project Assistant	CSIR-CMERI	January, 2017

Department of Chemical Engineering

Name of the faculty	Discipline	University/Institute	Date
Prof.P.Pal	Chemical Engg.	Ministry of Defence, DRDO	July 2016
Halder, G.	B.Tech Chemical Engg	Ghani Khan Chowdhury Institute of Engg and Technology, Malda	April , 2016

Department of Chemistry

Name of the faculty	Discipline	University/Institute	Date
Mukhopadhyay B.P.	Chemistry	CMERI-Durgapur	04-08-2016
Mukhopadhyay B.P.	Chemistry	CMERI-Durgapur	28-09-2016
Mukhopadhyay B.P.	Chemistry	CMERI-Durgapur	08-12-2016
Mukhopadhyay B.P.	Chemistry	CMERI-Durgapur	24-03-2017
Patra, A. K.	Chemistry	Sanaka Educational Trust's Group of Institutions	14.02.2017
Saha R.N.	Assessor in the performance management of faculty members of Chemistry	Asansol Engineering College	28.04.2016
Saha R.N.	Faculty selection	Sanaka Educational Trust's Group of Institutions	19.03.2017

Department of Computer Science and Engineering

Name of the faculty	Discipline	University/Institute	Date
Pal, T.	Expert Member of the Selection Committee for Selection of Project Assistant	CMERI, Durgapur	15th February, 2017

Department of Electrical Engineering

Name of the faculty	Discipline	University/Institute	Date
Banerjee S	Electrical Engineering	NSHM, Durgapur	10.06.2016
Banerjee S	Electrical Engineering	NIT Arunachal Pradesh	07.08.2016
Banerjee S	Electrical Engineering	SETGI, Durgapur	17.03.2017
Banerjee S	Electrical Engineering	Jadavpur University	23.08.2017
Mahato S. N.	Electrical Engineering	Bankura Unnayani Institute of Engineering	21.02.2017

Department of Electronics and Communication Engineering

Name of the faculty	Discipline	University/Institute	Date
Bhattacharjee, A.K.	ECE	Kalyani University, WB CSIR-CMERI, WB	2016-17

Department of Management Studies

Name of the faculty	Discipline	University/Institute	Date
Dutta A.,	Expert Member of Inspection of College under WBUT	WBUT, Kolkata	31 st march 2017
Bandyopadhyay, G.,	Expert Member of Inspection of College under WBUT	WBUT, Kolkata	20th April 2016
Bandyopadhyay, G.,	External Examiner for Project Evaluation of MBA Students	IIT Kharagpur	29th April 2016
Bandyopadhyay, G.,	Selection of MBA Students 16-17 session	NIT Agartala	8th May 2016
Bandyopadhyay, G.,	Selection of Management Trainee in Food Corporation of India	Food Corporation of India Ltd	6th September 2016

Department of Mechanical Engineering

Name of the faculty	Discipline	University/Institute	Date
Banerjee Nilotpal	Mechanical	Dr. B. C. Roy Engineering College, Durgapur	17 June 2016
Banerjee Nilotpal	Mechanical	Durgapur Institute of Advanced Management and Technology, Durgapur	07 January 2017
Layek Apurba	Selection committee-Asst Prof	NIT Manipur	09Aug 2016
Roy S.S.	Expert member of the selection committee for selection of Assistant Professor (Mechanical Engineering)	Bankura Unnayani Institute of Engineering, Bankura	Feb. 21, 2017
Roy S.S.	Screening committee and selection committee member for PhD programme under AcSIR	CSIR-CMERI Durgapur	Nov. 30, 2016
Roy S.S.	Selection committee member for selection of CSIR-JRF	CSIR-CMERI Durgapur	Nov. 30, 2016

Department of Physics

Name of the faculty	Discipline	University/Institute	Date
Chakraborty, AK	Member of the Board of Interview for selecting the JBNSTS Senior scholars	Jagadish Bose National Science Talent Search, Kolkata	August 24, 2016

Annexure 11.15 (f): Invited lectures (Sort alphabetically by column 1, surname)

Department of Biotechnology

Name of the faculty	Title of the lecture	Programme	Place	Date
Bhattacharjee, A.	15-Lipoxygenase (15-LO)-dependent and independent regulation of Monoamine Oxidase-A (MAO-A) gene expression and function in IL-13-activated cells.	5th International Conference on Molecular Signaling: Basics to Applications (ICMS) organized by AU-KBC Research Centre, Anna University	Chennai, India	January 12, 2017
Chattopadhyay, S.	Functional interrelation between CAM7 and HY5 in Arabidopsis seedling development.	International Interdisciplinary Conference on Humanitarian Technology	KIIT, Bhubaneswar	December 15-17, 2016
Chattopadhyay, S.	Functional interrelation between CAM7 and HY5 in Arabidopsis seedling development.	Platinum Jubilee Award Lecture at 104th Indian Association of Science Congress	SV University, Tirupati	January 3-7, 2017
Chattopadhyay, S.	Functional interrelation between CAM7 and HY5 in Arabidopsis seedling development.	International Conference on Insight to Plant Biology in Modern Era	Bose Institute, Kolkata	February 9, 2017
Dasgupta Mandal, Dalia	Improvements In Biodelignification	TEQIP II sponsored short term course on Current Advances in Bioprocess Technology (CABT-2016)	NIT, Durgapur	July, 20-24, 2016
Ghosh, M.	A novel drug combination For Anti leishmanial therapy.	The World congress of Gerontology and geriatrics, 4th International conference	IISc, Bengaluru Karnataka, India	November 23-25, 2017
Roy-Barman, S.	Functional analysis of GPCRs in rice blast fungus	International conference on "Emerging Technologies for Sustainable Agriculture"	Thane, Mumbai	January 6 -7, 2017

Department of Chemical Engineering

Name of the faculty	Title of the lecture	Programme	Place	Date
Prof.P.Pal.	Green Technology & Business potential in India	Seminar	Metropolia University, Helsinki	Sept. 2016
Halder, G.	Prospect and recovery of coalbed methane	Short term course	IIT ISM Dhanbad	June 27, 2016
Halder, G.	Refrigeration and Liquefaction	B.Tech Chemical Engg	DIATM, Rajbandh	May 2017

Department of Chemistry

Name of the faculty	Title of the lecture	Programme	Place	Date
Moi S. C.	In vitro Pt(II)-sulfur adduct formation of cytotoxic Pt(II) complex with bio-relevant molecules in aqueous medium: DNA binding, drug reservoir property and a theoretical approach,	International Conference on Recent Trends in Chemical Science (ICRCS-17)	Bikaner, Rajasthan	Jan.12-13, 2017
Mukhopadhyay B.P.	Protein Dynamics: Water mimic inhibitor/ Drug Design	3 days nation conference on recent developments in chemistry	NIT Durgapur	6th October, 2016
Mukhopadhyay B.P.	Protein Dynamics	03 days national seminar on recent trends in applied sciences and humanities	DIATM, Durgapur	7th March, 2017
Mukhopadhyay B.P.		Current advances in Bioprocess technology	NIT Durgapur	21st july, 2016
Patra, A. K.	Invited lecture on “Modelling Biological Cu Sites with N,S Donor Ligands”	Three days International Symposium	I.I.T. Guwahati	8-10th December, 2016
Saha R.N.	Wastewater Treatment	Two day Scientific Seminar	VIVEKANDA MAHAVIDYALAYA, Haripal, Hoogly, West Bengal.	19.08.16
Saha R.N.	Chemistry and Environment	One day IQAC sponsored Seminar	Bidhan Chandra College, Asansol, West Bengal	23.11.16

Department of Civil Engineering

Name of the faculty	Title of the lecture	Programme	Place	Date
Nanda, R.P.	Seismic vulnerability and loss assessment	One day seminar on Disaster management	IE(India), Kolkata	August 25, 2016
Nanda, R.P.	Earthquake disaster mitigation	Invited Talk	DRIEMS, Odisha	Sept. 13, 2016
Samanta, A. K.	Development of greener alternatives of Concrete blended with raw Fly Ash : Thermo-mechanical Aspects	ENVIRONMEN & ASH UTILIZATION, organised by NSPCL Durgapur unit	City Residency, Durgapur	June 1, 2016
Samanta, A. K.	Growth of refractory Cluster vs. www.designclinicsmsmse.org	Design Awareness Seminar (Refractory & Hard coke)	MSME, Dhanbad	January 30, 2017

Department of Computer Science and Engineering

Name of the faculty	Title of the lecture	Programme	Place	Date
Chandran, S.	Special Lecture on Image Recognition	Government of Engineering College	Trichur, Kerala	10-11, November 2016
Chandran, S.	Key Note Speech	ECBA-2016	Sydney, Australia	August 3-4, 2016
Pal, T.	Multi-Objective Genetic Algorithms	National Level Seminar on "Evolutionary Multi-Objective Optimization"	RCC Institute of Information Technology, Kolkata	1st March, 2017
Pal, T.	Multi-objective Evolutionary Computing (MOEA)	One Week Workshop on "Advances in Image Processing and Soft Computing Techniques"	NIT Silchar	22nd February, 2017
Pal, T.	Generalization and Robustness of ANN	One day seminar on ANN and its Applications	Viswa Bharati, Shantiniketan Bolepur	25th February, 2017
Pal, T.	Evolutionary Computing	International Conference on Computational Science and Engineering (ICCSE 2016)	RCC Institute of Information Technology, Kolkata	4-6 October, 2016.

Department of Electrical Engineering

Name of the faculty	Title of the lecture	Programme	Place	Date
Roy N K	Challenges to Keep Power System Healthy Competitive Market: Role of Monitoring Through IoT	Engineers Day	IEE office, Durgapur	15-09-2016
Roy N K	Standards and Its Practices in India	Standards Day, IEE Section Durgapur	IEE office, Durgapur	14-10- 2016
Banerjee S		Faculty development Program on TMCPED	RCC Institute of Information Technology, Kolkatta	27.07.2016
Acharjee P.	Algorithm (GA) and Real Coded Genetic Algorithm”	Intelligent Tools in Smart Grid (ITSG)	KIIT Bhubaneswar, India	7-11 June, 2016
Mahato S. N.	Analysis and Control of Isolated Induction Generators	Workshop on “Recent Trends in Electromechanical System”	Bankura Unnayani Institute of Engineering	18.10.2016

Department of Electronics and Communication Engineering

Name of the faculty	Title of the lecture	Programme	Place	Date
Ghatak R.	Is the Same Dynamical Theory of Electromagnetic Fields which Maxwell Thought is Taught Today?	TEQIP-II Workshop	Govt women Engg. College Ajmer	03 Sept 2016
Ghatak R.	Resonators: A Planar Circuit Design Perspectives	the IEEE INAE Symposium on electromagnetic Education and Research	SSN College of Engineering	12-13 Dec 2016
Ghatak R.	Some Recent Trends in Information and Communication Technology	Two day workshop	University of Burdwan	27 March 2017
Mandal S. K.	Antenna Array Synthesis using Evolutionary Algorithms	TEQIP- II sponsored Seminar	Murshidabad College of Engineering & Technology	June 11 – 12, 2016
Mandal S. K.	Understanding Maxwell's Equations and Antenna Radiation	TEQIP – II Workshop	Cambridge Institute of Technology, Ranchi	February 27 – March 04, 2017

Department of Management Studies

Name of the faculty	Title of the lecture	Programme	Place	Date
Bandyopadhyay, G.,	SPSS as Effective Tool for Research	FDP	Bharatiya Vidya Bhavan Institute of Management Science	9th April 2016
Bandyopadhyay, G.,	Research Methodology	FDP	Aliah University	15th& 18th July 2016
Bandyopadhyay, G.,	Logistic Regression, Logit and Probit Model	FDP	Bhavan's Institute of Management Science Kolkata	30th July 2016
Bandyopadhyay, G.,	Pedagogy & Research Methodology	FDP	RCC Institute of Information Technology	1st August 2016
Bandyopadhyay, G.,	Structural Equation Modelling using AMOS	FDP	Bhavan's Institute of Management Science Kolkata	13th August 2016
Bandyopadhyay, G.,	SPSS	FDP	JIS College of Engineering, Kalyani	13th& 19th September 2016
Bandyopadhyay, G.,	Learning Statistical tools with SPSS	FDP	Department of Statistics, Patna University	19th – 20th November 2016
Bandyopadhyay, G.,	Discriminant Analysis and Logistic Regression by SPSS	FDP	Bharatiya Vidya Bhavan's Institute of Management Science Kolkata	21st December 2016
Bandyopadhyay, G.,	Application of Statistical Softwares in Social Science Research	FDP	Gour Banga University, Malda	20-22nd January 2017
Bandyopadhyay, G.,	SPSS for Data Analysis	FDP	Bagnan College	28th – 29th January 2017
Bandyopadhyay, G.,	Research Methodology in Social Sciences	FDP	Barrackpore College	18th February 2017
De, Anupam	Requisite for Effective Presentation, Case Based Presentations Related to Industries with Key Message for Effective Decision Making & Making Power Point Presentation	Orientation Course for CA students	Durgapur branch of the Institute of Chartered Accountants of India (ICAI)	Aug. 19 & 21, 2016
De, Anupam	Working Capital Management, Capital Market & Money Market Operation, Overview of Financial Management and Capital Budget Decisions	Training Programme for Management Trainees of Bokaro Power Supply Co. Ltd.	National Power Training Institute, Eastern Region	Aug. 26 & 29, 2016
De, Anupam	Advanced MS-Excel	Research Methodology Course	JIS College of Engineering, Kalyani	Sept. 15 & 16, 2017

Name of the faculty	Title of the lecture	Programme	Place	Date
De, Anupam	Requisite for Effective Presentation, Case Based Presentations Related to Industries with Key Message for Effective Decision Making & Making Power Point Presentation	Orientation Course for CA students	Durgapur branch of the Institute of Chartered Accountants of India (ICAI)	Jan.17& 21, 2017
De, Anupam	Requisite for Effective Presentation, Case Based Presentations Related to Industries with Key Message for Effective Decision Making & Making Power Point Presentation	Orientation Course for CA students	Durgapur branch of the Institute of Chartered Accountants of India (ICAI)	Feb. 19 & 21, 2017
De, Anupam	Break-even-point Analysis & Profitability Management	“DISHA- Dealership Management Training Programme” for IOCL Retail Outlet Dealers	Department of Management Studies NIT Durgapur	Dec. 9 & 10, 2016
De, Anupam	Break-even-point Analysis & Profitability Management	“DISHA- Dealership Management Training Programme” for IOCL Retail Outlet Dealers	Department of Management Studies NIT Durgapur	Dec. 16& 17, 2016
De, Anupam	Break-even-point Analysis & Profitability Management	“DISHA- Dealership Management Training Programme” for IOCL Retail Outlet Dealers	Department of Management Studies NIT Durgapur	Feb. 10& 11, 2017
De, Anupam	Break-even-point Analysis & Profitability Management	“DISHA- Dealership Management Training Programme” for IOCL Retail Outlet Dealers	Department of Management Studies NIT Durgapur	Feb. 16& 17, 2017
Ghosh, Amlan	How to write a case	Meeting industry needs-Role of Management education	DMS, Dr.L.B.College, Andhra University, Vishakapatnam	Nov 4, 2016

Name of the faculty	Title of the lecture	Programme	Place	Date
Mandal, K.	CRM Brand management Management Game related to customer Resonance	“Disha-Dealership management Training Programme” for india Oil Corporation limited	NIT, Durgapur	16th December 2016
Mandal, K.	CRM Brand management Management Game related to customer Resonance	“Disha-Dealership management Training Programme” for india Oil Corporation limited	NIT, Durgapur	17th December 2017
Mandal, K.	CRM Brand management Management Game related to customer Resonance	“Disha-Dealership management Training Programme” for india Oil Corporation limited	NIT, Durgapur	16th February ,2017
Mandal, K.	CRM Brand management Management Game related to customer Resonance	“Disha-Dealership management Training Programme” for india Oil Corporation limited	NIT, Durgapur	17th February, 2017
Prof.M.Roy	GreenMarketing Management	Seminar	Metropolia University, Helsinki .	Sept., 2016

Department of Mathematics

Name of the faculty	Title of the lecture	Programme	Place	Date
Kar, S.	Multiobjective Evolutionary Algorithms and Applications	Computational Optimization: Methods and Algorithms" (COMA-2016)	Heritage Institute of Technology, India	November 22 - 23, 2016
Kar, S.	Portfolio Optimization and Multiobjective Evolutionary Algorithm	Computational Mathematics and Statistics	Banasthali University, Rajasthan, India	January 24th to 26th, 2017
Pal, A.	Fuzzy Graph Theory	Department of Mathematics and Statistics, Technological Educational Institute of Athens and Patras, Greece	Greece	May 23-27, 2016
Pal, A.	Prim's Algorithm for solving minimum spanning tree problem in Fuzzy environment	International Conference of Discrete Mathematics (ICDM-2016) and Graph Theory Day-XII	SIT Tumkur	June 09, 2016
Pal, A.	L(2,1) labelling of Cactus Graph	National Level Workshop on Graph Theory: Algebraic and Algorithmic Aspects(GTA3-2016)	Aliah University, Kolkata.	December 19-24, 2016
Pal, A.	Graph Theory and its applications	Workshop and research Discussion	NIT Agartala	17-21 February, 2017
Maitra, S.	Coaching classes for UGC-CSIR,NET	M.Sc(Physics)	Tezpur University	12-19 Nov,2016
Sarkar (Mondal), S.	On Linear Programming Problem	Two days National Seminar cum Workshop on Recent Advances on Mathematics and Mathematical Sciences: its Teaching and Learning	Department of Mathematics, Muragachha Govt. College, Nadia, West Bengal.	February 22-23, 2017
Panigrahi G	Nanoscience ,Design and Analysis of Algorithm	2nd National Seminar on Nanoscience and Nanotechnology (NSNN-2017)	Haldia Institute of Technology, Haldia, WB	March 17-18, 2017

Department of Metallurgical and Materials Engineering

Name of the faculty	Title of the lecture	Programme	Place	Date
Ganguly, A,	Iron Carbide as A Strong Contender for EAF Input Material	European Electric Conference (EEC-2016)	Venice, Italy	May 2016
Ganguly A	Look Back to Look forward: For Successful Make-In-India	CSIR Seminar on Manufacturing Technologies	Kolkata	July 2016
Ganguly A	Loss Elimination through Sustainable Development in Steel Industry at “Zero Discharge	Dept. Chemical Engg., NIT Durgapur	Durgapur	3rd Oct 2016
Ganguly A	Modern Quality management for Manufacturing Metal Components	NIFFT, Ranchi	Ranchi	Nov 2016
Mallik Manab	Mechanical behavior of ultra-high temperature ceramic composites	The 4th International Conference on Advances in Materials & Materials Processing (ICAMMP-IV)	IIT Kharagpur	5-7th Nov 2016.
Ganguly A	Waste to Wealth	National Seminar	Synergy Hall of DSP, Durgapur, India	Feb 2017
Maity J	An intriguing heat treatment approach for accelerated lamellar disintegration and mechanical property enhancement in steel	Jadavpur University	Metallix, Kolkata	17-03-2017
Maity J	Transient liquid phase diffusion bonding- an efficient approach for joining metal matrix composites	National Institute of Foundry and Forge Technology	NIFFT, Ranchi	18-03-2017

Department of Mechanical Engineering

Name of the faculty	Title of the lecture	Programme	Place	Date
Banerjee Nilotpal	Statistical Tools used in Quality Control	Quality control forum of India	DVC, DTPS Power Station	18 June 2016,
Karmakar Sujit	Advanced Coal Technologies	Recent Trends in Electromechanical system	Bankura Unnayani Institute of Engineering, Bankura	20 October, 2016
Karmakar Sujit	Advanced Coal Technologies, Power Generation Cycles Fuel Cells	Expert Talks under TEQIP II	Cambridge Institute of Technology, Ranchi	29-30 August, 2016, 18-19 January, 2017, 2-3 March, 2017
Pramanick, Achintya Kumar	On the Nature of Motive Force	National Conference on Advances in Thermal Engineering	Jadavpur University	23-24 September, 2016

Name of the faculty	Title of the lecture	Programme	Place	Date
Puri A. B.	Advancements in Micro wire-cut EDM	National Seminar on 'Micromachining'	MCKV Institute of Engineering, Howrah	13-15 Sept, 2016
Roy S.S.	3D Printing	TEQIP-II sponsored Short Term Course	Bankura Unnayani Institute of Engineering, Bankura	Jan, 2017
Roy S.S.	3D printing: Principles, Materials & Applications	TEQIP-II (CoE) sponsored Short Term Course on Mechanical Behaviour and Modelling of Materials	NIT Durgapur	Feb. 10, 2017
Roy S.S.	Skill Development for Young Engineers to Reform the Core Sector	Engineers' Day	IE (I), Durgapur Local Centre	Sept. 15, 2016

Department of Physics

Name of the faculty	Title of the lecture	Programme	Place	Date
Basu S.	Electrical properties of PVA-ZnSe nanocomposites	9th ECNP International Conference on Nanostructured Polymers and Nanocomposites (ECNP 2016)	Rome, Italy	September 19, 2016
Chakraborty, AK	Carbon nanostructures & their functional composites: synthesis to application	Review of ongoing joint research project sponsored by EMPA	EMPA, Duebendorf, Switzerland	October 14, 2016
Chakraborty, AK	Carbon nanostructure-nickel sulphide nanohybrids as electrodes in supercapacitor and solar cell	Intern. Conference on nanotechnology, nano material & thin films, (NANO-ENERGY-2016)	University of Liverpool, UK	July 27-29, 2016
Chakraborty, AK	Characterization of Nanomaterials by X-ray Photoelectron Spectroscopy	UGC Sponsored National Seminar on Characterization of Nanomaterials"	Ramananda College, Bishnupur	September, 23-24, 2016
Chakraborty, AK	Carbon Nanotubes: Synthesis modification and application in drug delivery	National Conference on Pharma Innovations & Regulatory Considerations	Gupta College of Technological Sciences, Asansol,	September 4, 2016
Chakraborty, AK	Analysis of Nanomaterials by X-ray Photoelectron Spectroscopy	TEQIP-II (CoE) Sponsored Short term course on recent Advances and Fundamentals of nanomaterials for applications in Photonics (RAFNP)	Department of Physics, NIT Durgapur	February 15-19, 2017
Chakraborty, AK	An overview on the role of materials research on Microsystem Technology	TEQIP-II (CoE) Sponsored Short term course on Advances in Microsystems Technology (AMST)	Department of Mechanical Engineering, NIT Durgapur	February 20-24, 2017

Name of the faculty	Title of the lecture	Programme	Place	Date
Chaudhuri H.	Role of NIT Durgapur in the field of Education, Science & Innovation and Technology Transfer through collaboration with various Academic Institutes, Research Organisations and Industries of India, Russia and other countries	International Symposium on Gen Next initiatives for digital India	Hyatt Regency, Kolkata	February 23-24, 2017
Chaudhuri H.	Exploration of Geothermal Power at Bakreswar hot spring site	Brain Storming Session on Environmental Geotechnics	Ronil Resort, Goa	January 24-25, 2017
Chaudhuri H.	Bakreswar-Tantloi Geothermal Area – A Promising Geothermal Resource for Power Generation	International Workshop “Shallow, sub-surface investigation for resource exploration and seismic hazard assessment”	ISR, Gandhinagar	January 19-20, 2017
Chaudhuri H.	Energy	Platinum Jubilee Science Seminar	Suri VidyaSagar College, Suri, Birbhum, West Bengal	January 14-15, 2017
Chaudhuri H.	Degradation of Phenolic Compounds in Wastewater under Solar Radiation through Advanced Oxidation Process using Hetero-Structured TiO ₂ Nanotubes	International Scientific Practical Conference “BRICS Water Forum”	Higher School of Economics, Moscow, Russia	September 29-30, 2016
Chaudhuri H.	(a) Energy and (b) Disaster Management	The National Children Science Congress Orientation Programme for Teachers of NVS Patna Region	Jawahar Navodaya Vidyalaya,, Durgapur, West Bengal	April 08, 2016
Kumbhakar, P.	More with Less! A Journey to Nanoworld: Photonics with Nanotechnology	TEQIP Sponsored STC Foundations in Photonics and Applications (FiPA-2016)	Dept. of Physics, NIT Durgapur,	May 16-20, 2016
Kumbhakar, P.	Optical Properties of Biphasic TiO ₂ Nanoparticles: Synthesized by Green Synthesis Technique	European Advanced Materials Congress (EAMC-2016)	Stockholm, Sweden	Aug. 23 – 25, 2016
Kumbhakar, P.	Leadership Skills at the Age of Information Technology	21 days Summer School on “New Age Extension Strategy for Communication Proficiency and Managerial Skill for Extension Professionals: Concept, Approach, Methodology and Application”	Dept. of Agricultural Extension, Faculty of Agriculture, BCKV, Mohanpur, Nadia, W.B., India	Sept. 13, 2016

Name of the faculty	Title of the lecture	Programme	Place	Date
Kumbhakar, P.	Linear and Nonlinear Optical Properties of Some Semiconductor and Graphene Oxide-Metal Nanocomposite Materials	National conference on “Recent Developments in Chemistry-2016 (RDC-2016)”	Dept. of Chemistry, NIT Durgapur	Oct. 4-6, 2016
Kumbhakar, P.	Synthesis of Some 2D Materials and Composites for Photo-catalytic and Optical Limiting Applications	International conference on Light and Light based Technologies (ICL2T-2016)	Tezpur University, Tezpur	Nov. 26-28, 2016
Kumbhakar, P.	More with less: Observations of Enhanced Linear and Nonlinear Optical Properties in Some Quantum Nanostructured Materials	TEQIP-II (CoE) Sponsored Short Term Course on Recent Advances and Fundamentals of Nanomaterials for Applications in Photonics (RAFNP-2017) Feb. 15-19, 2017	Dept. of Physics, NIT Durgapur	Feb. 18, 2017
Kumbhakar, P.	Leadership Skills and Introduction to NMEICT	TEQIP-II (CoE) Sponsored Short Term Course on Recent Advances and Fundamentals of Nanomaterials for Applications in Photonics (RAFNP-2017) Feb. 15-19, 2017	Dept. of Physics, NIT Durgapur	Feb. 18, 2017
Kumbhakar, P.	Synthesis of Some Nanostructured Materials and Composites for Fabrication of near-white LED, Removal of Dye from Water and Optical Limiting Devices	National Seminar on Recent Trends in Condensed Matter Physics including Laser Applications (NSCMPLA-2017), March 8-9, 2017	Dept. of Physics, BU, Burdwan, India	March, 8, 2017
Kumbhakar, P.	Introduction to Laser and Nanophotonic Materials For Applications in HV Engineering	TEQIP-II CoE Sponsored STC On Recent Development in Insulation, Testing Technique and Monitoring of High Voltage Power Apparatus	Dept. of Elec. Engg., NIT Durgapur	March 9, 2017
Meikap A. K.	Impedance Spectroscopy and Current – Voltage Hysteresis of PVA-MWCNT Film for Memory Device	9th ECNP International Conference on Nanostructured Polymers and Nanocomposites (ECNP 2016)	Rome, Italy	September 19, 2016
Meikap A. K.	Electrical Transport Properties of Polyvinyl Alcohol-Silver Nanoparticle Composite Film	Advanced Functional Materials Processing & Manufacturing (NCAFMPM-2017)	CSIR-CMERI Durgapur	February 2, 2017
Meikap A. K.	Electrical Transport of Conducting Polymer and its Nanocomposites	Short Term Course on Advanced Materials and Processing (AMP-2017)	NIT Durgapur	March 8, 2017
Meikap A. K.	Anomalous Electrical Transport in Disordered Conductors Low Temperature	Short Term Course on Advanced Materials and Processing (AMP-2017)	NIT Durgapur	March 9, 2017

Name of the faculty	Title of the lecture	Programme	Place	Date
Mondal A.	Recent trends on nanowire based electronics	To deliver lecture at Sharda University	Sharda University, New Delhi	22-24, November, 2016
Sahoo S.	Materials Chemistry and Physics	Elsevier	April, 2016	Sahoo S.
Sahoo S.	Universal Journal of Physics and Application	Horizon Research Publishing, USA)	November, 2016	Sahoo S.
Sahoo S.	Current issues in High Energy Physics	Current issues in Nanoscience and High Energy Physics	TDB College, Raniganj	4th October, 2016
Sahoo S.	Recent Advances in High Energy Physics and Cosmology	Recent Advances in Science, Engineering and Management (RASEM-2017)	BITM, Santiniketan	11-12 February, 2017
Sahoo S.	Fractional quantum Hall effect of interacting electrons in graphene	Recent Trends in Applied Sciences and Humanities (RTASH-2017)	DIATM, G. T. Road, Rajbandh, Durgapur	March 7 – 9, 2017
Sahoo S.	Quantum Hall effect of interacting electrons in graphene: An Introduction	Advanced Materials and Processing (AMP-2017)	Dept. Physics, NIT Durgapur	06-10 March, 2017.

Annexure 11.16 (g): Session chair/convenor (Sort alphabetically by column 1, surname)

Department of Biotechnology

Name of the faculty	Session Chair/convenor	Programme	Place	Session	Date
Ghosh, Monidipa	Session Chair	World congress of Gerontology and geriatrics, 4th International conference	IISc, Bengaluru Karnataka, India	-	November 23-25, 2017
Roy-Barman, S.	Session Chair	International conference on “Emerging Technologies for Sustainable Agriculture”	BN Bandokar College of Science, Thane, Mumbai	-	Jan 6 -7, 2017

Department of Chemistry

Name of the faculty	Session Chair/convenor	Programme	Place	Session	Date
Moi S. C.	Session Chair	RDC-2016	Department of Chemistry, NIT Durgapur	Chemistry and Applied science	6th October'2016
Mukhopadhyay B.P.	Session Chair	03 days national seminar on recent trends in applied sciences and humanities	DIATM, Durgapur	Applied Science	7th March, 2017

Department of Computer Science and Engineering

Name of the faculty	Session Chair/convenor	Programme	Place	Session	Date
Dalui, M.	Session Chair	6th International Symposium on Embedded Computing and System Design (ISED' 16)	Patna, India	Tutorial: Advances in SOC Design Methodology	Dec 15-17, 2016
Kisku, D.R.	Convenor	TEQIP-II Sponsored One day Symposium on "Machine Learning and Applications"	NIT Durgapur	Full Day	22nd March, 2017
Kisku, D.R.	Session Chair	Special session on "Human-Machine Intelligent Interfaces" was held in conjunction with IEEE TENCON 2016	Marina Bay Sands, Singapore	Half Day	25th November, 2016
Kisku, D.R.	Session Chair	Special session on "Biometrics Security Artifacts for Identity Management" was held in conjunction with ICACNI 2016	NIT Rourkela	Half Day	23rd September, 2016
Kisku, D.R.	Session Chair	Regular session on "Computer Vision and Image Processing" was held in conjunction with ICACNI 2016	NIT Rourkela	Half Day	23rd September, 2016
Kisku, D.R.	Track Chair	Bio-Intelligence and Health Technologies track of the IEEE EmergiTech 2016.	Mauritius	-	3-6 August, 2016

Department of Electrical Engineering

Name of the faculty	Session Chair/convenor	Programme	Place	Session	Date
Halder Suman	Session Chair	Device for Integrated Circuit (DeVIC 2017)	Kalyani Govt Engg College	Microelectronic Circuits	March 23-24, 2017

Department of Electronics and Communication Engineering

Name of the faculty	Session Chair/convenor	Programme	Place	Session	Date
Chandra A.	Session Chair	IEEE 8th IFIP International Conference on New Technologies, Mobility and Security (NTMS)	Larnaca, Cyprus	Wireless Networks: Design and tools	Nov 22, 2016
Ghatak R.	Technical Committee Member	International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE) 2016	SRM University NCR New Delhi	-	22nd to 23rd September 2016
Kar R.	Session Chair	TENCON 2016	Singapore	Signal Processing	22 - 25 November 2016

Department of Physics

Name of the faculty	Session Chair/convener	Programme	Place	Session	Date
Chakraborty, AK	Convener	2nd International Conference on Emerging Materials: Characterization & Applications	Durgapur	The overall conference	March 15-17, 2017
Chaudhuri H.	Publication Co-Chair	2nd International Conference on Emerging Materials: Characterization & Application (EMCA-2017)	Department of Physics, NIT Durgapur		March 12-17, 2017
Chaudhuri H.	Coordinator	Prof. M. S. Sinha Colloquium	Department of Physics, NIT Durgapur		February 03, 2017
Chaudhuri H.	Co-convener	Nonlinear Dynamics, Chaos and Applications (NDCA-2016)	Department of Physics, NIT Durgapur		July 15, 2016
Kumbhakar P.	Co-chairperson	Regional Science and Technology Congress, 2016 : Bardhaman Division	Bankura Christian College, Bankura, India	Engineering	Nov 07-08, 2016
Kumbhakar P.	Session Judge	International conference on Light and Light based Technologies (ICL2T-2016)	Tezpur University, Tezpur, India	Session IV	Nov. 28, 2016
Kumbhakar P.	Session Chair	The 2nd International Conference on Emerging Materials: Characterization and Application (EMCA-2017),	NIT Durgapur, India	Session 7A	March 15-17, 2017
Meikap A. K	Session Chair	Advanced Functional Materials Processing & Manufacturing (NCAFMPM-2017)	CSIR-CMERI Durgapur	IV	February 2, 2017
Meikap A. K.	Session Chair	2nd International Conference on Emerging Materials: Characterization & Applications (EMCA 2017)	Department of Physics, NIT Durgapur	5B	March 16, 2017
Mondal A.	Session Co-Chair	2nd International Conference on Emerging Materials: Characterization & Applications (EMCA 2017)	Department of Physics, NIT Durgapur	V	March 16, 2017

Department of Management Studies

Name of the faculty	Session Chair/convenor	Programme	Place	Session	Date
Bandyopadhyay, G.,	Session Chair	Training Programme on Improving Managerial Competencies (under TEQIP-II Sponsored), NIT Durgapur Conducted by IIT Delhi	NIT Durgapur, Durgapur, West Bengal, India		March 2 –4, 2017
Bandyopadhyay, G.,	Session Chair	Training Programme on Improving Managerial Competencies (under TEQIP-II Sponsored), NIT Durgapur Conducted by IIM Calcutta	NIT Durgapur, Durgapur, West Bengal, India		March 28 –30, 2017
Bannerjee, N.	Convenor	Management Training Programme	NIT Durgapur		March 02 –04, 2017
De, Anupam	Convenor	Management Training Programme	NIT Durgapur		Mar. 28-30, 2017
Ghosh, Amlan	Convenor	Management Training Programme	NIT Durgapur		March 2 –4, 2017
Pal, D.	Convenor (joint)	Training Programme on Improving Managerial Competencies (under TEQIP-II Sponsored), NIT Durgapur	NIT Durgapur, Durgapur, West Bengal, India		March 28 –30, 2017

Department of Mathematics

Name of the faculty	Session Chair/convenor	Programme	Place	Session	Date
Pal, A.	Session Chair	International Conference on Emerging Trends in Computing, Communication and Control (ICETC3-2017)	NSHM Knowledge Campus, Durgapur.	03:30 p.m – 05:30 p.m	March 16, 2017
Sarkar (Mondal), S.	Session Chair	Two days National Seminar cum Workshop on Recent Advances on Mathematics and Mathematical Sciences: its Teaching and Learning	Department of Mathematics, Muragachha Govt. College, Nadia, West Bengal.	2.15 pm- 3.50 pm	February 23, 2017

Department of Metallurgical and Materials Engineering

Name of the faculty	Session Chair/convenor	Programme	Place	Session	Date
Mandal D	Session Chair	Behind the Teacher's Desk 2016	CSIR-NML, Jamshedpur	Evaluation of Materials	09-10 June 2016
Prof. Ghosh K.S	Session Chair	The 4th International Conference on Advances in Materials & Materials	IIT Kharagpur		5-7th Nov 2016

Annexure 11.17 Other information

Department of Management Studies

Dr. Amlan Ghosh has delivered lectures on the topic “Self-Development and Leadership” in the workshops on “DISHA –Dealership Management Training Programme” for IOCL Retail Outlet dealers during 9-10 & 16- 17 December, 2016 and 10-11 & 16-17 February, 2017, organized by Dept. of Management Studies, NIT Durgapur.

Dr. Anupam De acted as an Observer for the Chartered Accountants Examinations held in May 14 & 15, 2016 conducted by the Institute of Chartered Accountants of India (set up by an Act of Parliament).

Dr. Anupam De acted as an Observer for the Chartered Accountants Examinations (Common Proficiency Test) held on June, 2016 conducted by the Institute of Chartered Accountants of India (set up by an Act of Parliament).

Dr. Anupam De acted as an Observer for the Chartered Accountants Examinations held during November 1-5, 2016 conducted by the Institute of Chartered Accountants of India (set up by an Act of Parliament).

Dr. Anupam De acted as an Observer for the UGC NET Examination held on July, 2016.

Dr. Avijan Dutta was Convenor of the organising committee and has delivered lectures on the topic “ Self Management and Leadership” in the workshops on “DISHA –Dealership Management Training Programme” for IOCL Retail Outlet dealers during 9-10 & 16- 17 December, 2016 and 10-11 & 16-17 February, 2017, organized by Dept. of Management Studies, NIT Durgapur,

Dr. Durba Pal has delivered lectures in the four workshops on “DISHA –Dealership Management Training Programme” for IOCL Retail Outlet dealers during 9-10 & 16- 17 December, 2016 and 10-11 & 16-17 February, 2017, organized by Dept. of Management Studies, NIT Durgapur.

Dr. Gautam Bandyopadhyay was chairman of the organising committee and has delivered lectures on the topic “Application of CRM” and “Management Game on Sales Practice” in the four workshops on “DISHA –Dealership Management Training Programme” for IOCL Retail Outlet dealers during 9-10 & 16- 17 December, 2016 and 10-11 & 16-17 February, 2017, organized by Dept. of Management Studies, NIT Durgapur.

Dr. Neelotpaul Bannerjee delivered lectures in the four workshops on “DISHA –Dealership Management Training Programme” for IOCL Retail Outlet dealers during 9-10 & 16- 17 December, 2016 and 10-11 & 16-17 February, 2017, organized by Dept. of Management Studies, NIT Durgapur.

Department Of Civil

1. Director, NITD nominated Dr. A.K. Samanta as Institute nominee in Building Sub-Committee OF DMC in May 2016.
2. Included in DMC team of experts for smart city projects in DMC by Mr. Debasis Choudhury Secretary DMC.

Department of Physics

1. Prof. P. Kumbhakar, Dept of Physics acted as Chief Guest in relation to celebration of The NVS “Foundation Day” on 13th April, 2016 at Jawahar Navodaya Vidyalaya (JNV), Durgapur, Burdwan
2. Prof. P. Kumbhakar, Dept of Physics acted as Resource Person in the Regional Level National Children Science Congress (NCSC-2016) at Jawahar Navodaya Vidyalaya, Durgapur-12, held during Sept 8-9, 2016
3. Prof. P. Kumbhakar, Dept of Physics acted as Chief Guest for the Annual Prize Distribution on 20th March, 2017 at St. Peter’s School, Durgapur
4. Prof A K Meikap Ph.D. thesis examiner for Viva-Voce Test of Tezpur University, Assam
5. Prof A K Meikap Ph.D. thesis examiner of Vidyasagar University, Paschim Medinipur
6. Prof A K Meikap Ph.D. thesis examiner for Viva-Voce Test of University of Kalyani, Kalyani
7. Prof A K Meikap Ph.D. thesis examiner of Jawaharlal Nehru Technological University, Hyderabad
8. Prof A K Meikap Ph.D. thesis examiner of Pondicherry University, Pondicherry

9. Dr. S. Sahoo acted as a Judge for projects presented by Child Scientists (Age group 10–17) in the District Level Congress of the 24th National Children’s Science Congress (NCSC-2016), held at DAV Model School, Durgapur on 4th September, 2016.
10. Dr. S. Sahoo was a Keynote Speaker for a National Conference on “Recent Advances in Science, Engineering and Management (RASEM-2017)” at Bengal Institute of Technology & Management (BITM), Santiniketan held during February 11–12, 2017.
11. Dr. S. Sahoo was an Observer for State Govt. Common Entrance Test conducted by Association of Minority Professional Academic Institutes (CEE-AMPAI-2015), West Bengal, India on 05/06/2016 (Sunday). Centre: Asansol Engineering College.

Department of Chemistry

1. Dr. S.C. Moi has been selected as a co-editor of Modern Journal of Chemical Sciences.

Department of Mechanical Engineering

1. Pramanick Achintya Kumar was a Member of the Scientific Committee 2016-17, Constuctal and Second Law Conference, Bucharest, Romania.

Department of Computer Science and Engineering

1. Chandran, S. Serves as a Member of Advisory Committee for National Conference on Innovations in Computing and Information Technology, Thanjavur, Tamilnadu, 27th December 2016.
2. Chandran, S. Serves as a Member of Organizing Committee for ISEA-II Sponsored Workshop on Digital Forensics from Theory to Practice, 9-13, January 2017, NIT Durgapur and C-DAC Kolkata.
3. Chandran, S. Serves as TPC Member for IEEE 2nd International Conference on Advances in Computing, Communication & Automation (FALL), 30th September to 1st October 2016, MJP Rohilkhand University, Bareilly, India.
4. Chandran, S. Serves as TPC Member for IEEE International Conference on ICT in Business and Industry Government, 18-19, November 2016, Sri Aurobindo Institute of Technology, Udaipur, Rajasthan, India.
5. Choudhury, P. was invited as a resource person in applied Econometrics workshop during 20th to 26th March 2017, at Sikkim University, Gangtok. Topic: Role of data analytics in decision making.
6. Kisku, D.R. serves as a member of Editorial Board for International Journal of Research Innovations in Image and Speech Processing (IJRIISP).
7. Kisku, D.R. serves as a member of Information Systems Security and Biometrics' Sectional Committee, LITD 17 under Bureau of Indian Standards.
8. Kisku, D.R. serves as a TPC Member for 1st International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA) 2017.
9. Kisku, D.R. serves as a TPC Member for 1st International Conference on Latest Advances in Machine learning and Data Science (LAMDA) 2017.
10. Kisku, D.R. serves as a TPC Member for 4th International Conference on Computer Vision and Image Analysis applications (ICCVIA) 2017.
11. Kisku, D.R. serves as a TPC Member for 4th International Conference on Signal Processing and Integrated Networks (SPIN) 2017.

12. Kisku, D.R. serves as a TPC Member for 6th International Conference on Operations Research and Enterprise Systems (ICORES) 2017.
13. Kisku, D.R. serves as a TPC Member for 8th International conference on Intelligent Human Computer Interaction (IHCI) 2016.
14. Kisku, D.R. serves as an Associate Editor for the special issue on Personalized and Context-sensitive Interfaces in the Wild (PCSIW), Pattern Recognition Letters, 2016.
15. Pal T. served as Guest of Honour on 3rd April 2016 in one day Seminar on “Decision Making using Fuzzy Sets & Systems: Scope & Challenges” organized by the Institution of Engineers (India), Durgapur.
16. Sarker, G. is continuing as a Member of Editorial Team, International Journal of Computer Science and Algorithms on and from 11th March, 2016.
17. Sarker, G. served as a Member, Technical Committee, 6th International Advanced Computing Conference (IACC 2016).
18. Sarker, G. served as a reviewer of International Conference on Innovations in Electronics, Signal Processing and Communications.
19. Sarker, G. served as a Technical Program Committee Member of the International Conference (LAMDA- 2017, NIT Goa).

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