

**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR  
WEST BENGAL, INDIA**

**48<sup>TH</sup> SENATE MEETING  
DATE: 19<sup>TH</sup> DECEMBER, 2017  
TIME: 04.00 PM  
VENUE: SENATE ROOM**



**MINUTES**

The meeting was attended by the following members:

- |   |   |                       |
|---|---|-----------------------|
| 1. <b>Prof. Anupam Basu</b><br>Director,<br>NIT, Durgapur                                 | : | <b>Chairman</b>       |
| 2. <b>Mr. B. Bhattacharya</b><br>Invitee Member<br>Alumni Representative                  | : | <b>Invitee Member</b> |
| 3. <b>Prof. S. Chattopadhyay</b><br>Dean (R&C)<br>Dept. of Biotechnology<br>NIT, Durgapur | : | <b>Member</b>         |
| 4. <b>Prof. A. Dey</b><br>Dept. of Biotechnology<br>NIT, Durgapur                         | : | <b>Member</b>         |
| 5. <b>Dr. Dalia Dasgupta Mandal</b><br>HOD, Dept. of Biotechnology<br>NIT, Durgapur       | : | <b>Member</b>         |
| 6. <b>Prof. B.P. Mukhopadhyay</b><br>Dept. of Chemistry<br>NIT, Durgapur                  | : | <b>Member</b>         |
| 7. <b>Dr. Dipankar Sukul</b><br>HOD. Dept. of Chemistry<br>NIT, Durgapur                  | : | <b>Member</b>         |
| 8. <b>Prof. A. K. Sadhukhan</b><br>Dept. of Chemical Engineering<br>NIT, Durgapur         | : | <b>Member</b>         |
| 9. <b>Dr. Susmita Dutta</b><br>HOD, Deptt. of Chemical Engineering<br>NIT, Durgapur       | : | <b>Member</b>         |
| 10. <b>Prof. Tamal Mandal</b><br>Dept. of Chemical Engineering<br>NIT, Durgapur           | : | <b>Member</b>         |
| 11. <b>Prof. P. Pal</b><br>Dept. of Chemical Engineering<br>NIT, Durgapur                 | : | <b>Member</b>         |
| 12. <b>Prof. P. Gupta</b><br>Dept. of Chemical Engineering<br>NIT, Durgapur               | : | <b>Member</b>         |
| 13. <b>Dr. Radhikesh P. Nanda</b><br>HOD, Dept. of Civil Engineering<br>NIT, Durgapur     | : | <b>Member</b>         |
| 14. <b>Prof. S. Saha</b><br>Dept. of Civil Engineering<br>NIT, Durgapur                   | : | <b>Member</b>         |
| 15. <b>Prof. D.K. Singha Roy</b><br>Dept. of Civil Engineering<br>NIT, Durgapur           | : | <b>Member</b>         |
| 16. <b>Prof. K. Bhattacharya</b><br>Dean (P&D)  | : | <b>Member</b>         |

	Dept. of Civil Engineering NIT, Durgapur		
17.	<b>Prof. A. Das</b> Dept. of Civil Engineering NIT, Durgapur	:	<b>Member</b>
18.	<b>Prof. P. Ray</b> Dept. of Civil Engineering NIT, Durgapur	:	<b>Member</b>
19.	<b>Prof. V.K. Dwivedi</b> Dept. of Civil Engineering NIT, Durgapur	:	<b>Member</b>
20.	<b>Prof. Soumya Bhattacharya</b> Dept. of Civil Engineering NIT, Durgapur	:	<b>Member</b>
21.	<b>Prof. G. Sanyal</b> HOD, Dept. of Comp.Science&Engg. NIT, Durgapur	:	<b>Member</b>
22.	<b>Dr. Avijan Dutta</b> HOD, Dept. of Management Studies NIT, Durgapur	:	<b>Member</b>
23.	<b>Prof. G.K. Mahanti</b> Dept. of ECE NIT, Durgapur	:	<b>Member</b>
24.	<b>Prof. A. K. Bhattacharjee</b> Dept. of ECE NIT, Durgapur	:	<b>Member</b>
25.	<b>Prof. Sumit Kundu</b> Dept. of ECE NIT, Durgapur	:	<b>Member</b>
26.	<b>Prof. Rowdra Ghatak</b> HOD, Dept. of ECE NIT, Durgapur	:	<b>Member</b>
27.	<b>Prof. N. K. Roy</b> Dean (AOTP) Dept. of Electrical Engineering NIT, Durgapur	:	<b>Member</b>
28.	<b>Prof. Saradindu Ghosh</b> Dean (Academic) Dept. of Electrical Engineering NIT, Durgapur	:	<b>Member</b>
29.	<b>Prof. Subrata Banerjee</b> Dept. of Electrical Engineering NIT, Durgapur	:	<b>Member</b>
30.	<b>Dr. Parimal Acherjee</b> HOD, Dept. of Electrical Engineering NIT, Durgapur	:	<b>Member</b>
31.	<b>Prof. A. Gangopadhyay</b> Dean (F&W) Dept. of E&ES NIT, Durgapur	:	<b>Member</b>

32. <b>Dr. K. Adhikari,</b> HOD, Dept. of E&ES NIT, Durgapur	:	<b>Member</b>
33. <b>Prof. P. P. Sengupta</b> Dept. of H&SS NIT, Durgapur	:	<b>Member</b>
34. <b>Dr. Samarjit Kar</b> HOD, Dept. of Mathematics NIT, Durgapur	:	<b>Member</b>
35. <b>Prof (Mrs.) Kajla Basu</b> Dept. of Mathematics NIT, Durgapur	:	<b>Member</b>
36. <b>Prof. I. Basak</b> Dept. of Mechanical Engineering NIT, Durgapur	:	<b>Member</b>
37. <b>Prof. M. C. Majumder</b> Dept. of Mechanical Engineering NIT, Durgapur	:	<b>Member</b>
38. <b>Prof. B. Halder</b> Dept. of Mechanical Engineering NIT, Durgapur	:	<b>Member</b>
39. <b>Prof. A. K. Saha</b> Dept. of Mechanical Engineering NIT, Durgapur	:	<b>Member</b>
40. <b>Prof. Nilotpal Banerjee</b> Dept. of Mechanical Engineering Dean (S&W) NIT, Durgapur	:	<b>Member</b>
41. <b>Prof. Amar Nath Mallick</b> HOD, Dept. of Mechanical Engineering NIT, Durgapur	:	<b>Member</b>
42. <b>Dr. Susanta Pramanik</b> HOD, Dept. of Metallurgical & Materials Engineering NIT, Durgapur	:	<b>Member</b>
43. <b>Prof. Amit Kr. Ganguly</b> Dept. of Metallurgical & Materials Engineering NIT, Durgapur	:	<b>Member</b>
44. <b>Ms. Tulika Chowdhury</b>	:	<b>Student Nominee - PG</b>

**Mr. S. Chatterjee, Dr. Maitree Bhattacharya, Ms. Mousumi Ghose, Ms. Gargi Mitra, Student Member-UG, Prof. Mousumi Roy, Prof. B. Maji, Prof. S. P. Ghoshal, Prof. S. S. Thakur, Prof. K. C. Ghanta, Prof. A. K. Meikap, Prof. P. Kumbhakar and Prof. K.S. Ghosh could not attend the meeting and were granted leave of absence.**

The Chairman welcomed the Senate members to the meeting and requested Member Secretary, Senate to present the agenda of the 48<sup>th</sup> Senate meeting.

### **Item No. 48.1: Confirmation of the Minutes of the 47<sup>th</sup> Senate Meeting**

The 47<sup>th</sup> Senate Meeting was held on September 22, 2017 at 4.00 p.m. in the Senate Room of the Institute. The minutes of the meeting were communicated to all the Senate members through email for their comments. Four comments were received. The minutes were confirmed subject to the following decisions / amendments.

- Item 47.4: The appeal of Mr. Monaj Kumar Pal (a B. Tech student admitted in Mechanical Engineering in 2017-18) regarding the change of branch (UGAC meeting item no. 7 dated 17/08/2017) was reviewed based on the comments of Prof. V. K. Dwivedi, CE dept. A committee, comprising of Prof. A. N. Mullick, HOD ME dept.; Prof. I. Basak, ME dept.; Prof. S. Banerjee, EE dept. and Dr. S. Dutta, HOD, ChE dept was constituted. The committee will assess the possibility and justifiability of the change of branch, replacing his workshop courses with other credit courses, providing motorized wheel chair to the student at the cost of the Institute, etc. and will give a report within four weeks. Inputs from Chairperson, Senate will also be incorporated. The Institute will take necessary measures to improve the accessibility of academic facilities by the differently-abled students.
- Based on the comments from Mr. Biswanath Bhattacharjee, the representative of the alumni to the Senate, it was resolved that a compliance report on the submission of marks shall be submitted to the Director by the respective HODs immediately after the due date in every semester.
- Item 47.5: The matter of Prashil N. Thakre, a Ph.D. student of Chemical Engineering dept. was reviewed in response to the comments received from Prof. T. Mondal, based on the resolution of DRPC, Chemical Engineering dept. It was resolved that the candidature of the Ph.D. student will be continued under the supervision of Dr. Gopinath Halder, Associate Professor, ChE dept.

### **Item No. 48.2: Action Taken Report**

The Senate of the Institute noted The Action Taken Report with the following observations.

- Item 47.3: The Senate ratified the nomination of the following students as the Student Nominees to the Senate.
  1. Ms Tulika Chowdhury (16IT4113) - PG
  2. Anish Pradhan (14/EC/07) - UG
- Item 47.6: HOD, CSE dept. will contact through E-mail the PG and PhD students who graduated in 2017 for their consent on the proposed change of nomenclature of the degrees and, Chairman, Senate was empowered to take a suitable decision, based on the same. If any student refuses to give his/her consent, his/her certificate will be awarded with the old nomenclature.
- Item 47.9: Committees, comprising of external experts, will be constituted by the Director of the Institute.

### **Item No. 48.3: To ratify the resolutions of the UGAC and PGAC meeting held jointly on 11/12/2017**

The Senate ratified the resolutions of the UGAC and PGAC meetings held jointly on 11/12/2017 with the following amendments.

- Item 1: The revised academic calendar 2017-18 was approved by the Senate. The students who will not be able to appear at the odd semester regular examination 2017-2018 – B. Tech / Dual Degree / Integrated M. Sc. Programme – Phase II due to some compelling reasons like IES examination / SSB Selection / prescheduled flight tickets etc., may be allowed to appear in the odd semester supplementary examination 2017-2018 – B. Tech / Dual Degree / Integrated M. Sc. Programme with a special provision of non-reduction of his / her letter grade. However the

original copy of documentary evidence in support of his / her claim has to be submitted along with the application to the Academic Section.

**Item No. 48.4: To ratify the resolutions of the BOS-R meeting held on 11/12/2017**

The Senate ratified the resolutions of BOS-R meeting held on 11/12/2017 with the following amendments.

- Item 2: The Senate approved the renaming of BOS-R as Research Academic Committee (RAC).
- Item 3: The Senate approved the registration of 15 candidates for PhD program (Annexure I).
- Item 4: The Senate congratulated 14 candidates and their supervisors (Annexure II) for successfully completing all requirements for the award of PhD degree and approved the award of PhD degree to the candidates in the next convocation.
- Item 8: Ratna Mondal shall continue as a full-Time PhD student after completion of regular residential requirements. However, she has to submit a No-objection Certificate from IEM, Kolkata.
- Item 9: The registration of Manab Roy, a PhD student, will remain suspended till the completion of his required course work.
- Item 11: Gargi Biswas and Dipanjan Samajpati shall continue as full-time PhD students after the completion of regular residential requirements. The appeal of Utpalendu Khamaru was not considered by the Senate.

**Item No. 48.5: To finalize the date and expand the panel of Chief Guests for the 13<sup>th</sup> Convocation of the Institute**

The Senate approved the additional names recommended in the meeting of the Heads and Deans held on December 04, 2017, along with Mr. Prakash Javadekar, Hon'ble Minister, GOI, MHRD, in the panel of Guests for the 13<sup>th</sup> Convocation. Chairman, Senate was empowered to contact the dignitaries and finalize the Guests and the date of convocation.

**Item No. 48.6: To nominate the faculty representatives for the Board of Governors of the Institute**

The Senate nominated the following faculty members as the faculty representatives in the Board of Governors of the Institute as per cl. 11(f) of the NIT Act 2007 for a period of two years from the date of nomination.

1. Prof. P. Gupta, Professor, Department of Chemical Engineering
2. Dr. Suchismita Roy, Associate Professor, Department of Computer Science and Engineering

**Item No. 48.7: To discuss the tuition fee waiver for the SC/ST students to be admitted with scholarship to the M. Tech. and PhD programs**

The Institute will seek clarification from GOI, MHRD on the matter of waiver of tuition fee for the SC/ST students to be admitted in the PG/PhD programs with scholarship since the academic session 2018-19. Further, the matter will be discussed in the next meeting of the Senate.

**Item No. 48.8: To consider the revision in the tuition fee for the students of Integrated M. Sc. program in Chemistry**

A two-member committee was constituted with the external experts, comprising of Prof. Amit Basak, IIT Kharagpur and Prof. Nitin Bhattacharjee, Jadavpur University to review the tuition fee of the students of Integrated M. Sc. program in Chemistry.

**Item No. 48.9: To set up the Sponsored Research & Consultancy Cell (SRCC) in the Institute**

The Senate ratified the resolution of the meeting of the Heads and Deans (Item # 01.09) held on December 04, 2017 on this matter. It will be headed by Dean (R&C), one Assistant Registrar and one staff member will be inducted to the SRCC for day-to-day activities of SRCC and maintaining accounts, etc. The Institute purchase policy adhering to GFR 2017 shall be followed by the SRCC. A detailed report on the same shall be submitted shortly.

**Item No. 48.10: To set up a Continuing Education Cell (CEC) in the Institute**

The Senate of the Institute approved setting up of a Continuing Education Cell (CEC) in the Institute as resolved in the meeting of the Heads and Deans (Item # 01.13) held on December 04, 2017. The cell will be responsible for conducting all short term courses. All short term courses which are currently running shall be brought under the umbrella of CEC. Future courses under CEC should be adopted through Senate. CEC will report all academic matters under its purview to the Senate. CEC shall be headed by a Professor-in-charge (Continuing Education Program).

**Item No. 48.11: To consider the rules for Central Library of the Institute regarding issue and return of books (pending item # 47.11)**

The Senate of the Institute approved the proposed norms of issue and return of books in the Central Library.

Suggestions from the faculty members and the students will be taken in order to improve the functioning of the Central Library of the Institute.

**Item No. 48.12: To consider revision in the PhD regulations with respect to the nomination of the examiners of the PhD thesis**

The Senate of the Institute resolved that the resolution on item# 47.5 in the 47<sup>th</sup> Senate meeting on the above matter shall be revoked.

A panel of examiners from amongst the faculty members or eminent experts, preferably Professors / Retired Professors / Emeritus Professors, and researchers with Ph.D. in institutes / universities / research laboratories / industries of repute is to be submitted to Chairman, Senate through Dean (Academic). The area of his/her specialization is to be mentioned explicitly along with a hyperlink to his/her web page. In the list of examiners from abroad, there shall be at least three experts not of Indian origin. There should not be any conflict of interest in the selection of the panel of examiners.

The decision of the Chairman, Senate shall be final in the nomination of the examiners.

**Item No. 48.13: To apprise the Senate of the complaint of Shri Manish Kumar Mehrotra**

The Senate of the Institute was apprised of the matter and it was noted that the reasons for the decision of the Senate on this matter was inadvertently not recorded explicitly in the minutes of the meeting.

**Item No. 48.14: Any other matter with the permission of the chair**

**48.14.1 To discuss the submission of data in the Digital Action Plan 17 by 17 of the Government of India**

The Senate of the Institute resolved to take necessary measures to use the SWAYAM platform in right earnest. One local chapter of NPTEL will be set up in the Institute.

**48.14.2 To consider the list of expert nominees of the Senate from outside the Institute as members of the Selection committee as per clause (a) in the statute 23(5)**

The Senate of the Institute approved the list of experts submitted to it as the nominees of the Senate from outside the Institute as members of the Selection committee as per clause (a) in statute 23(5). Chairman, Senate was empowered by the Senate to add any additional name of experts to the list as he may deem fit.

**48.14.3 To consider revision in the list of gold medal awardees in the 13<sup>th</sup> Convocation**

The Senate of the Institute approved the revision. The gold medal for the M. Tech. in Machine Design (Mechanical Engineering dept.) will be awarded to Mr. Pravanjan Bera (14/ME/601) in place of Moumita Tewary. However, the matter regarding the award of gold medals to the part-time students will be deliberated upon in the next PGAC meeting.

**48.14.4 To discuss the recruitment norms for the faculty members of the Institute**

Chairman, Senate emphasized that the recruitment norms in the RR for the NITs are to be strictly adhered to during the screening of the candidates for the selection of faculty members in the Institute. The concept of inbreeding should be avoided as per the RR.

There being no further items, the meeting was declared closed with a vote of thanks to the chair.



Prof. Anupam Basu 20/12/2017  
Director  
&  
Chairman, Senate  
NIT Durgapur

 20/12/2017

Prof. Parthapratim Gupta  
Professor, Chemical Engineering dept.  
&  
Member Secretary, Senate  
NIT Durgapur

Place: NIT, Durgapur  
Date: 20.12.2017



NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR  
REGISTRATION OF PhD Candidates

SANATE 48

DATE : 19.12.2017

SL.NO	NAME	DEPTT.	SUPERVISOR
1	RAYASAM S S M R KRISHNA	EC	1) DR. ASHIS KUMAR MAL, 2) DR. RAJAT MAHAPATRA
2	AMRITA BHATTACHARYA	MS	1) DR. AVIJAN DUTTA, MS
3	SWARNADIP DEY	CE	1) DR. A. K. BANIK, 2) DR. PRONAB ROY
4	PRAVEEN KUMAR SHARMA	CS	1) DR. TANMAY DE, 2) DR. SUJOY SAHA
5	PRASANTA MAJUMDAR	CS	1) DR. TANMAY DE
6	JAYASHREE KARMAKAR	PH	1) DR. M. K. MANDAL
7	SAYANTAN DUTTA	CE	1) DR. R. P. NANDA
8	TERESSA LONGJAM	CS	1) DR. D. R. KISKU
9	DIPAK KUMAR	CS	1) DR. D. R. KISKU
10	ANIMESH PARAL	CE	1) DR. A. K. SAMANTA 2) PROF D. K. SINGHA ROY
11	NIRAJ KUMAR RANA	EE	1) PROF. S. BANERJEE
12	PARTHA SARATHI BARMA	MA	1) DR. SAMARJIT KAR
13	ANKAN BANERJEE	MA	1) DR. PINAKI PAL
14	PIU KUNDU	MA	1) DR. SEEMA SARKAR (MONDAL)
15	MOUTUSI MONDAL	CS	1) DEBASHIS NANDI

P. S. S. S.

LIST OF PHD DEGREE AWARDEES APPROVED BY THE SENATE IN ITS 48TH MEETING HELD ON DECEMBER 19, 2017						
Sl. NO.	REGN. NO	DEPARTMENT	CANDIDATES	NAME OF THE SUPERVISOR	DATE OF AWARD	TITLE OF THE THESIS
1	NITD/PHD/CH/2013/00388	CHEMISTRY	RAV. CHANDRA MAJI (FT)	1) DR. APURBA K. PATRA	03.10.2017	Modelling Biological Copper Sites Supported by N, S Donor Ligands
2	NITD/PHD/BT/2008/00118	BIOTECHNOLOGY & ELECTRONICS & COMMUNICATION ENGG	SHIV SHANKAR PRASAD (PT)	1) DR. KAUSTAV AIKAT	06.10.2017	Bio-Degradation and Bio-Decolorization of AZO DYE by Newly Isolated Microorganism Enterobacter Cloacae Strain SXCR
3	NITD/PHD/ECE/2014/00506	COMMUNICATION ENGG	PRAGNAY CHAKRAVORTY (FT)	1) DR. D. MANDAL	16.10.2017	Novel Techniques in Output Pattern Optimization of Microwave Antennas and Filters
4	NITD/PHD/PH/2014/00512	PHYSICS	PARTHA SARATHI MUKHERJEE (PT)	1) DR. A. K. MEIKAP	27.10.2017	Electrical Transport Properties of Inorganic and Organic-Inorganic Nanocomposites
5	NITD/PHD/CH/2013/00387	CHEMISTRY	PIALEE ROY (FT)	1) DR. DIPANKAR SUKUL	08.11.2017	Application of Some Bio-Polymeric Molecules as Potential Corrosion Inhibitors for Mild Steel in Acidic Media
6	NITD/PHD/CH/2015/00590	CHEMISTRY	DHANANJOY DEY (PT)	1) DR. MILAN MAJI, 2) DR. BHASKAR BISWAS, RAGUNATHPUR COLLEGE, PURULIA	14.11.2017	Synthesis Structural Characterisation and Bio-Catalytic Activity of Some Transition Metal Complexes with Different Chelating Ligands
7	NITD/PHD/ECE/2014/00482	ELECTRONICS & COMMUNICATION ENGG	BINOD PRASAD (FT)	1) DR. SANJAY DHAR ROY 2) PROF. SUMIT KUNDU	15.11.2017	Cooperative Relay in Cognitive Radio Networks with Imperfect CSI and Energy Harvesting
8	NITD/PHD/CHE/2014/00461	CHEMICAL ENGINEERING	PARAG SEN (PT)	1) PROF. M. ROY 2) PROF. P. PAL	24.11.2017	Environmentally Conscious Manufacturing Programs in Process Industry: Green Management Approach
9	NITD/PHD/PH/2013/00392	PHYSICS	MRINMOY GOSWAMI (PT)	1) DR. A. K. MEIKAP	04.12.2017	Synthesis and Characterization of Poly(aniline)/Carbon Nanotubes - Semiconductor nanocomposites
10	NITD/PHD/PH/2014/00544	PHYSICS	DEBIKA BANERJEE (FT)	1) DR. S. SAHOO	05.12.2017	Phenomenological Implications of Z <sup>0</sup> Boson in Mixing and Rare Decays of B Hadrons
11	NITD/PHD/M/2012/00335	MATHEMATICS	SHEIKH AHMED HOSSAIN	1) DR. SAMARJIT KAR, 2) DR. RUPAK BHATTACHARYYA	05.12.2017	Fuzzy Decision Making: An Application to Investment Analysis
12	NITD/PHD/ECE/2011/00268	ELECTRONICS & COMMUNICATION ENGG	RISHI TODANI (PT)	1) DR. A. K. MAL	08.12.2017	Design of Low Power Area Efficient Switched Capacitor Circuits in CMOS Technology
13	NITD/PHD/CHE/2014/00529	CHEMICAL ENGINEERING	PHILLY DASGUPTA (FT)	1) DR. JAYA SIKDER	12.12.2017	Studies on Dye Removal using Membrane Based Systems and Subsequent Dye Degradation by Means of Visible-Light-Induced Photocatalysis
14	NITD/PHD/M/2011/00330	MATHEMATICS	GOUR SUNDAR MITRA THAKUR (PT)	1) DR. SEENA SARKAR (MONDAL), 2) DR. RUPAK BHATTACHARYYA, BIJAY KRISHNA GIRLS' COLLEGE, HOWRAH	15.12.2017	Intelligent Systems on Manyfold Decision Making