Advertisement for the Post of **PROJECT SCIENTIST** at **Department of Electronic Systems Engineering**, Indian Institute of Science, Bangalore

JOB   : IOT AND NETWORKED EMBEDDED SYSTEMS

SKILLS REQD.   : Digital circuits design and testing, embedded C programming, IoT and other skills for the job description.

MIN. QUALIFICATION   : PhD in electronics related discipline.

JOB DESCRIPTION   : Research in IoT that encompasses areas of embedded security, low power, protocols , localization, Industrial and automotive systems, sensors and interfacing etc. Participation in ongoing research and industry projects, building product prototypes Assistance in preparing laboratory modules on low power, power conversion, embedded security, algorithms for localization, sensor fusion. Assistance in executing student mini projects, Assistance in literature work on cutting edge technologies, preparing the necessary lecture material, Organization of student seminars, class tests, final exams, and evaluation of answer scripts.

OPENINGS   : 1

REMUNERATION   : Rs.56K + 24% HRA pm

JOB PERIOD   : 1 year extensible depending on performance and project conditions

JOB   : MECHATRONICS

SKILLS REQD.   : Stepper motors and drives, mechanical linkages, x-y plotters, 3D printing and skills needed to handle the job description.

MIN. QUALIFICATION   : PhD in electronics and/or mechanical related discipline.

JOB DESCRIPTION   : Research in mechatronics encompasses areas of embedded electronics, high-performance drives for step motors, permanent magnet synchronous motors, variable reluctance motors. Speed - Torque characterisation, step responses, PID and other electronic control, design of domain-specific humanoids, robotic arms, joints and linkages, application areas such as medical, industrial etc. Assistance in conducting laboratory sessions in characterising motors, selection of motors for specific applications, mechanical design and selection of material for prototype (sheet metal, plastic, etc), software design, testing jigs etc. Organization of student seminars, class tests, final exams, and evaluation of answer scripts.

OPENINGS   : 1

REMUNERATION   : Rs.56K + 24% HRA pm

JOB PERIOD   : 1 year extensible depending on performance and project conditions

JOB : EMBEDDED SYSTEMS

SKILLS REQD. : Microcontroller architecture, DSP, FPGA, digital circuits, knowledge of C and embedded C

MIN. QUALIFICATION : PhD in electronics related discipline.

JOB DESCRIPTION : Research and assistance in teaching in the topics of FPGA and embedded systems, neuromorphic computing and related areas.

OPENINGS : 1

REMUNERATION : Rs.56K + 24% HRA pm

JOB PERIOD : 1 year extensible depending on performance and project conditions

PROJECT SCIENTIST

JOB : PROGRAMMING AND DATA MANAGEMENT

SKILLS REQD. : C, C++, Java, Python, PHP

MIN. QUALIFICATION : PhD in electronics, computer science and related discipline.

JOB DESCRIPTION : Assist in development of apps for department projects, assist in teaching in the area of data management and programming for master level students.

OPENINGS : 1

REMUNERATION : Rs.56K + 24% HRA pm

JOB PERIOD : 1 year extensible depending on performance and project conditions

Interested candidates may apply Using this link http://surya.dese.iisc.ac.in/jobs/

on or before 30th April 2022

Advertisement for the Post of **PROJECT ASSOCIATE** at **Department of Electronic Systems Engineering**, Indian Institute of Science, Bangalore

JOB   : POWER ELECTRONICS AND DRIVES

SKILLS REQD.   : Analog circuits, Digital circuits, power semiconductor devices, gate drives, converters and inverters, heatsinks.

MIN. QUALIFICATION   : MTech in electronics related discipline. Experience preferred but freshers with excellent skills will also be considered

JOB DESCRIPTION   : Research work and assistance in design and development of power electronics related hardware. The power electronic converter development is focused on renewable energy systems and electric vehicle electronics.

OPENINGS   : 2

REMUNERATION   : Rs.31K + 24% HRA pm pm

JOB PERIOD   : 1 year extensible depending on performance and project conditions

Interested candidates may apply Using this link http://surya.dese.iisc.ac.in/jobs/

on or before 30th April 2022