

ELECTRONICS AND INSTRUMENTATION ENGINEERING

Details of UG &PG Programme: (Programme Name, Level and Year of Starting with intake)

Programme objective:

1. To Provide Students with the strong foundation in Mathematical, Scientific and Engineering fundamentals necessary to formulate, solve and analyse engineering problems related to industry and research.
2. To impart the state of the art technology to the students in the field of Electronics and Instrumentation Engineering.
3. To foster innovation, invention and entrepreneurship by enabling the students to transform their ideas to proof-of-concepts for high-tech applications.
4. To provide opportunity for the students to work as part of teams on multi-disciplinary projects.
5. To inculcate in the students professional and ethical attitude, communication skills and the life-long learning skills needed for the successful professional career.

Mission:

This particular domain of Engineering will help the students to apply knowledge of Mathematics, Science and Engineering After completion of the course, the graduates will be able to use the techniques, skills & modern engineering tools in real-life application and will be able to analyse and interpret data from experiments for development of measurement and automation systems. This course will also help the students to understand professional and ethical responsibility.

HODs Message (with photo):

Approval / Accreditation :

Approval is a confirmation that a course meets defined criteria as specified in these guidelines.
Accreditation is confirmation that an institution or registered provider has shown it is capable of delivering an approved course.

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Faculty Details

- Distinguish Faculty
 1. Prof.Dr.J.K.Roy,Ph.D(Tech),Sr.MIEEEE,FIETE,FIWWA, MIET Professor and Head
 2. Miss BansariDeb,M.Tech,MIEEEE,Assistant Professor
 3. Miss Soma Banik, M.Tech,Assistant Professor
 4. Miss PapriNag,MTech,Assistant Professor
 5. Miss KabitaPandit, B.Tech,Assistant Professor of AEIE,NIT
 6. Miss Arijita Das, B.Tech, Assistant Professor of AEIE,NIT
 7. MrSougata Das, DEE,Technical Assistant of AEIE,NIT

- Eminent member in Department B O S :
 1. Prof.Dr. D.C.Patranabis, Retired Professors of AEIE,JU
 2. Prof.Dr.S.C.Bera, Professor of Applied Physics, CU
 3. Prof.Dr.RajibBandyopadhyay, Professor of AEIE,JU
 4. Mr. Amalendu Kumar, General Manager of IOCL.

Syllabus (Broad contents with credits only) : Ref.: **Annexure 1**

Curriculum beyond Syllabus :We are not limited to syllabus but teaching extended syllabus according to need.

Students' Projects : The curriculum is running for three years, The students
(Selected projects in last 3 years) Project (Industry oriented) will be given to 8th semester

Laboratory Details :Ref.:**Annexure 2**
(With picture)

Research Publication and Books :

- **Journals**

- National : 9
- International : 5

- **Conference Proceedings**

- National : 18
- International : 14

- Books : 1 (one) International Publisher

Success rate of Students : --NA--
(Last 3 batches)

Students' Achievements :Ref.: Annexure 3

Placements/ Higher Studies : --NA--

Professional Activities :

- Events Organized:
 - Event 1:-Invited talk On “Image Processing and its Application
Using MATLAB & Simulink”
 - : Event 2:- Invited talk On “Modern trends in Sensor interfacing and
FPGA programming”
 - : Event 3:-IET Awareness Program
 - : Event 4:- Present Around the World Competition
 - :Event 5:- 1st BOS Meeting
- Student’s Chapter
- Faculty Interaction with Professional Bodies:

Distinguished Alumni : N.A

Teaching Learning Process :

- Course File, Plan of course delivery, : followed
- Teaching Methodology. : Interactive

- Continuous Evaluation (Assignments, Question bank if any, Class test, Slot tests, : Continuous evaluation done simultaneously with teaching
- Quiz, if any. : To be done in next semester
- Learning Resources
(Including departmental library) : Notes and important information are uploaded and Addressed to the students through Google group.

Industry Interaction

- Industrial visit : One Industrial visit to “ Mangal Pandey Water Treatment Plant, PHED, Govt. of W.B, Barrackpore”, WB
- Expert lectures : Organising expert lecture at regular interval
- Mock Assessment : N.A