METRON

VIMAL JYOTHI ENGINEERING COLLEGE
ELECTRONICS & INSTRUMENTATION ENGINEERING DEPARTMENT

VOLUME 8 ISSUE 2 APRIL 2018

VISION & MISSION OF THE DEPARTMENT

VISION

The department strives to enrich professionals of high competency in the arena of Instrumentation Engineering & mould them to adopt the crux of matter in the field of Automation

MISSION

To prepare the students to envisage beyond the hypothetical thinking & belong to a new era of acquisition & application of Instrumentation Technology to meet the requisition of the changing world

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"One man's "magic" is another man's engineering".
— Robert A. Heinlein

Department Technical Fest INSTRUS 2K18

The technical fest of Applied Electronics and Instrumentation was organized on 6th March 2018 at Msgr. Chalil Auditorium. Honorable Chairman of Vimal Jyothi Group of Institutions Fr. Dr. Thomas Melvettath inaugurated the event in the presents of Administrator Rev. Fr. Jinu Vadakkemulanjanal, Head of the department, Staff and the students.

Students of the department exhibited their projects during the event. Technical Quiz, Robo Race, Robo Soccer, Line follower, Paper presentation were the other highlights of the fest. The staff coordinators for the event were Ms. Achala Prasad and Mr. Clint Augustin and the student coordinators were Mr. Jeffin Jaison and Kumari Thara P Murali. The event was a success with the support of the management and active participation of the staff and students of the department.

Faculty Achievements

- Ms. Reema Mathew published paper titled “Classification of Tumor and its stages in brain MRI”, Int.Journal of Current Engg and scientific Research Vol5 Issue 3 2018.
- Dr. Glan Devdhas published paper titled “A Fractional Order Controller for a Nonlinear system”, Journal of Advanced Research in Dynamical and Control System.
- Dr. Glan Devdhas & Mr. Shinu MM published paper titled “Modelling and Controller Design for a Non linear Conocal System”, JARDCS pp 119-126.
- Dr. Glan Devdhas published paper titled “Optimization based design of fractional order PI control for Multiple tanks pH Neutralization Process” - JARDCS Vol 10(2) pp 146- 153.
- Dr. Glan Devdhas published paper titled “Brain Tumor detection and Segmentation Using wrapper based genetic algorithm for optimized feature set” - Cluster Computing Springer

Training Attended by Faculty

- Ms. Reema Mathew attended STTP on Data Analytics and Machine Learning using R and Python during 5-13 march at GCE kannur

Farewell to Final Year Students

The department along with the collage has organized farewell party for the final year students on 14th March 2018. Staff and faculty of the department bid farewell for the outgoing students. A memento for the students were arranged by the department. Students performed group dance and songs during the forenoon session with great enthusiasm and nostalgia.

Industrial Visit

Students of S6-AEI undertook an industrial visit. Altogether there were 31 students, 2 faculty members and a parent in the group. The industrial visit was scheduled from March 23 2018 to March 25 2018.The visits was arranged to Wonderla Amusement Park, Kochi.

PTA meetings

- PTA meetings for 2nd semester students has been organized on 10.02.2018 by Ms. Sudharsana Vijayan,Mr. Shinu M M and Ms. Achala Prasad
- PTA meetings for 4th semester students has been organized on 14.02.2018 by Ms. Divya K and Ms. Jinsa Mathew.
- PTA meetings for 6th semester students has been organized on 22.02.2018 by Ms. Reshma K V, Mr. Abdul Latheef and Ms. Shalet K S

INSTRUS 2K18 GALLERY

Prolific Training

The second phase of the placement oriented training program by Prolific Systems was conducted from 05-02-2018 to 17-02-2018

Placements

1. Mr. Vishnu Haridas - Godsmatthew Trading India Pvt. Ltd.
2. Mr. Sujil Suresh - Godsmatthew Trading India Pvt. Ltd.
3. Ms. Sukrita Raman Das - Digital Nirvana
4. Mr. Pranav C Mohan - Accenta Education

POs and PSOs of Department

POs

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering application to the solution of complex engineering problems.
Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conditions using first principles of mathematics, natural sciences & engineering sciences.
Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health & safety and the cultural, societal and environmental considerations.
Conduct Investigations of Complex Problems: Use research based knowledge and research methods including design of experiments, analysis & interpretation of data, and synthesis of the information to provide valid conclusions.
Modern Tool Usage: Create, select & apply appropriate techniques, resources & modern engineering & IT tools including prediction & modeling to complex engineering activities with an understanding of the limitations.
The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal & cultural issues & the consequent responsibilities relevant to the professional engineering practice.
Environment and Sustainability: Understand the impact of the professional engineering solutions in societal & environmental contexts and demonstrate the knowledge of and need for sustainable development.
Ethics: Apply ethical principles & commit to professional ethics and responsibilities and norms of the engineering practice.
Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multi disciplinary settings.
Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSOs

Students will have the ability to explore the design, installation & operation of the basic instrumentation systems used in industrial environments.
Students will have a strong foundation in mathematical, scientific & engineering fundamentals necessary to formulate, solve & analyze instrumentation problems related to industry & research.