St. Thomas' College of Engineering and Technology

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DARPAN

(The Image of achievements)

Volume:III, Edition: Iv, 27th JULY 2018

Newsletter

Department

ECE

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Vision of ECE Department:

To build a strong teaching and research environment to cater to the manpower needs in Industrial and Academic domains of the rapidly growing Electronics and Communication Engineering.

Mission of ECE Department:

❖ To produce certified industry-ready professional in Electronics and Communication Engineering, though innovative educational programs incorporating laboratory practices and project based teaching-learning processes, in a modern environment.

❖ To create knowledge base of advanced technologies through research in the area of Electronics and Communication, for competitive and sustainable development of the country.

❖ To groom the department as a learning centre to inculcate advancement of technology in Electronics and Communication Engineering with social values and environmental awareness.

Recent Technology Trend

Payroll calculation is a very fundamental requirement in any organization. Timely and accurate payroll is one of the key factors in keeping employees motivated. Payroll Management System (PMS) is a stand-alone application software that does the same in an instant without the need for perusal of lengthy employee records as done conventionally.

Every year companies spend a lot of money behind employees and as such the need for a system that could not only keep a record of the details of each and every employee but could also automate their payroll becomes indispensable. The pen and paper method of payroll calculation is very troublesome and the payroll of each and every employee have to be calculated individually looking up individual records. In this regard, A sophisticated Payroll Management System (PMS) can be developed that could not only calculate the payroll of each and every employee automatically and keep their details safe in a secured database but would also provide a detailed representation of the employee details and performance parameters such as attendance to the business owners. Additional features like appraisal, reimbursement, leave management and other such components can be added to the system so it can be used as a Resource Management tool for small and medium business firms.

**Dr. Prasun Chowdhury
Head of the Department,
Department of Electronics and Communication Engineering**

Departmental Milestones

Performance in NPTEL :

No. Of elite Students from 1st year :3
No. Of Successfully completed Students from 1st year:7

No. Of elite Students from 2nd year: 6
No. Of Successfully completed Students from 2nd year:11

No. Of elite Students from 3rd year : 10
No. Of Successfully completed Students from 3rd year:7

Industrial Training:

Industrial Trainings for final year students of the Department were arranged different industries, like South Eastern Railway, NIIT, GE motors , Airport Authority of India etc.

Events Organized:

Name of event: "Summer Workshop On Introduction to VLSI"
Date: 13th – 15thJune, 2018
This workshop was conducted to gather knowledge on **"**Reversible Logic Synthesis and its Application to Quantum Computers**" and "**'Fault Detection in VLSI circuit**"** through lectures given by two Eminent Professors from ISI, Kolkata Prof. Bhargab B. Bhattacharya and **IIEST , Shibpur Howrah :** Prof. Hafizur Rahaman

Faculty Development Programme

▪ **Dr. Dipankar Kundu and Ms. Sayani Ghosh** attended the Short Term Training Programme on **"Control System Analysis & Design using MATLAB"**, held at **National Institute of Technical Teachers Training and Research** (NITTTR), Kolkata from **4th June to 15th June, 2018** (2 Weeks).

▪ **Mr. Ankush Chattopadhyay and Mr. Priyajit Mukherjee** attended the Short Term Training Programme on "**Hardware Simulation of Electrical and Electronics Circuits** " held at **National Institute of Technical Teachers Training and Research** (NITTTR), Kolkata from **18th June to 29th June, 2018** (2 Weeks).

▪ **Dr. Prasun Chowdhury , Ms. Tanusree Dutta, Ms. Sudipta Dutta and Ms. Sumani Mukherjee** attended the Short Term Training Programme on "**Microprocessor & Embedded System**" held at **National Institute of Technical Teachers Training and Research** (NITTTR), Kolkata from **4th June to 8th June, 2018** (1 Weeks).

▪ **Mr. Ramanath Datta** attended the Short Term Training Programme on "Outcome Based Assessment" held at **National Institute of Technical Teachers Training and Research** (NITTTR), Kolkata from **4th June to 8th June, 2018** (1 Weeks).