DATE-22/1/2015

STUDENT CHAPTER : DJSCOE IEEE BRAINWAVES

IEEE BRANCH CODE : 60401

DEPARTMENT : ELECTRONICS

TENURE : 2014-2015

OVERVIEW:

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity. **INSTITUTE OF ELECTRONICS AND ELECTRICAL ENGINEERS (I.E.E.E)** is the most significant and renowned institution in the field of technology. It provides a platform to professionals and students in the field of electronics and electrical engineering to improve their knowledge base as well as showcase their talent. **DJSCE IEEE BRAINWAVES**, aims at raising the technological aptitude of students at DJSCE. A student with practical experience is what the industry seeks for, spreading additional knowledge apart from the syllabus was also a part of our aim. Spreading information and knowledge via workshops, events, seminars and industrial visits has always been the main focus of the organising team.

IEEE RESEARCH PAPER: IEEE is famous for its wide collection of research papers published over the internet for the members. Referring / Writing a technical paper is an art in itself, IEEE gives an opportunity to the young members to initiate the thought process by conducting various national and international events open for all.

WORKSHOPS: Workshops gives an added advantage by giving the hands on experience and gaining additional knowledge regarding the upcoming and latest ongoing technology.

SEMINARS: "Education is the key to success" this quote is incomplete without information, seminars conducted by the professionals is best way of obtaining information regarding the particular thing.

PROJECTS: Applying the procured knowledge into practicality is what results into successful project. The best and the easiest example for a project can be a gesture controlled robot.

INDUSTRIAL VISITS: Today's industry is well automated and more sophisticated, the working of industry is way different from what is taught in syllabus. Exposure to such industry via visits helps students to realize the difference.

ORGANIZATIONAL STRUCTURE:

IEEE COORDINATOR: PRASAD JOSHI (HOD ELECTRONICS)

FACULTY INCHARGE: PROF. MAYUR PARULEKAR

STUDENT COMMITTEE

CHAIRPERSON: NACHIKET PARANJAPE

VICE CHAIRPERSON: DEVINA RAYONIA (ADMIN)

VICE CHAIRPERSON: SUNNY AGRAWAL (EVENTS)

SECRETARY: MRINALINI SHAH

TREASURER: HARSHIT KYAL

TECHNICAL HEAD: DHRUV RESHAMWALA

EVENTS COORDINATOR: AAKASH SHAH

CREATIVE HEAD: FORUM SUTHAR

LOGISTICS HEAD: AAKASH RANA

EDITORIAL HEAD: MANJISHTA KAINTH

PROCEEDINGS DURING THE TENURE:

- IEEE Brainwaves organizing committee started the academic year 2014-2015 with IEEE day celebration on 8th October 2014. Honourable Speaker from IIT Bombay Prof. PSV Nataraj interacted with the students on topics such as Parallel Computing. Approximately 120 students attended the talk conducted in the seminar hall.
- As a part of the IEEE Day, we had several other attractions for the students such as Frozen Wave, Virtual Reality and Ferro magnetic fluid demonstration all of which were prepared by the organizing committee members. The students also got a hands-on experience of working with various DIY projects such as Electronic Die, Stylus and Intrusion alarm. The event concluded with a small cake cutting ceremony by the honourable chief guest which flagged off the proceedings for the year 2014-2015.
- The next most important event was the "Membership Drive"', which was the induction of new IEEE student members so as to make available to them.
- A "PC Internals" workshop was conducted by HOD Prasad Joshi wherein students were exposed to all the prevailing as well as previous components that constituted a PC. Different versions of Integrated circuits were compared and observed.
- A seminar on Electronic Circuit simulation and AVR microcontroller was also organized by IEEE student chapter which was led by our student speaker Sunny Agrawal. It was followed by a seminar on AVR microcontroller by our faculty speaker Vivek Nar.
- Industrial Visit: An industrial Visit was organised by the organising team of IEEE for the T.E.'s of Electronic department.
- WEEKEND PROJECT CLUB: Now the HIGHLIGHT of IEEE BRAINWAVES 2014 is the WEEKEND PROJECT CLUB. Senior junior mentorship for project execution occurs at the club. The importance of paper work and how to go about the project is explained by the organizing

committee. This concept is developed by the organizing committee which actually would add value to a students profile. The vision is to develop the project club over the years. The components required for the project are supplied by the IEEE BRAINWAVES free of cost to the members. The club meetings occur on Saturdays after college hours.

MODIFICATIONS DONE FOR IMPROVEMENT :
-THE STRUCTURE OF EVENTS THAT USED TO OCCUR IN PREVIOUS TENURE
 -INTRODUCTION OF REGULAR INTERACTIONS AND CONSTANT FEEDBACK.
 -DESIGNING WORKSHOPS THAT INVOLVE MINIMUM COST REQUIREMENT