Walchand College of Engineering Sangli

Department of Electronics Engineering

2018-19

Electronics Engineering Students Association

The Electronics Department has a club, **ELESA** (Electronics Engineering Students' Association), through which provides students a platform to develop themselves. Various technical, as well as non-technical activities are carried out by ELESA throughout the year.

What is ELESA?

- They are a Team
  ELESA has 69 board members acquainted with notable skills
- They arrange student engagement activities Technical and non-technical activities are conducts to improve skillset and prepare students for their career
- They are Achievers.
  Continuing a strong legacy of 27 years, they believe that teamwork makes the dream work.

PROTEGYON

We had one sub event PROTEGYON based on PROTEUS software simulation. It was held on 17th September, 2016 from 12.00 pm to 5.00 pm. There were total 34 teams had participated in this event having 2 members in each team. Through this event we checked the ability of the participants to deploy the various facilities available in Proteus simulator for the advanced learning and understanding of the concepts in electronics.

At the end an event was successful which enhanced the skills of all participants as well as volunteers.

Details of our event are as follow:

Round 1 - Aptitude Test on 17 Sep. (11:00am to 12:00pm)

It was totally based on the following points having only half hour time limit.

 Basic electronics
 Digital circuits
 Proteus software

Round 2 - Debugging round, Design and Simulation (2:30pm to 3:30pm)
This round was designed in such a way that participants had to find the maximum errors from the provided design within stipulated time.
It included four statements totally based on circuit building, circuit debugging, logic development and circuit designing within an hour.

μ-Reka

It was one day programming contest and was conducted on the first day i.e. on 17th September. It was based on 8051 microcontroller programming contest. Total number of entries received for 8051 were 60. Detail information about this event is as follow:

For 8051 Microcontroller:

Round 1- Aptitude Test on 17th September (10:30am to 11:00am)

It was objective test based on 8051 microcontroller having half hour time limit

It was totally based on the following points.

 Architecture
 Assembly
 Rapid Programming

Round 2- Simple and Rapid Programming (1:30pm to 2:15pm)
There were only 2 Questions and the time duration of 45 minutes. Total 24 teams were shortlisted for this round. They were given one assembly and one C programming question.
Round 3-Problem Statement Solving (4:30pm to 5:30pm)
Final round was based on the complex programing statement having 1 hour time limit and Prof. S. R. Khedkar did judging for this round
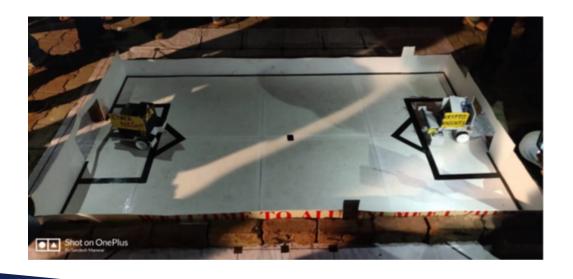
Roboholic

Chief Board of ELESA organized ROBOHOLIC- a robo playing football event for the second time in ELESA history which eventually had management too. 90 entries from F.Y. to B.Tech for this event were registered. B.Tech Members were made mentors. Overall there were 5 teams which had it's own 2 mentors. Profiles of students from F.Y. to T.Y. were taken on the basis of which auction was carried among mentors to form there team. Each team had 20 members along with mentors.

After the teams were formed principal components required to form the robot were provided to each team by the organizing committee. They were given a span of 5 days to form there robot after which tournament took place. Teams had to score goal using the Arm Mechanim they had built. Teams were provided with dimensions to form there robot without which they had to renovate their bots. The main event took place before the Walchand crowd in front of the steps on 2nd and 3rd February. Four teams named Megatron, Kryptoknights, CyberKnights, Cylone and Robo-Wraglers Competed amongst each other to win the title.

The matches took place in front of the steps for two consecutive days after which Cyberknights emerged as the winner winning the final match against Kryptoknights. Organizing Committee as well as the participants along with the crowd were very active in cheering and encouraging their respective teams. Certificates along with medals were distributed to participants and the event concluded with the same.

Technical Championship Mindspark'18 ,

Mindspark is the national level, annual technical festival of College of Engineering, Pune(COEP), best technical platforms in the country for showcasing engineering brilliance and competing among the best. Top colleges participate every year to compete for the coveted Technical Championship at Mindspark. Our team of 9 members from different branches represented our college i.e. WALCHAND COLLEGE OF ENGINEERING, SANGLI. The members were selected from each branch in such a manner that there was a right mix of leadership skills, theoretical and practical knowledge, aptitude and problem solving skills and proven ability to work in a team environment. The event of championship spanned across 3 days between 28th to 30 th September. Initially, the first round was an online departmental technical quiz. We were being shortlisted with rank 4 all over Maharashtra. They selected 15 teams from Maharashtra to represent their respected college. On DAY 1: 28 th September in the COEP campus. For mechanical department, it was Auto-CAD and for IT department it was coding and debugging session, there too we grabbed 3rd position among 15 teams with our excellent performance.

Technical Championship Mindspark'18 ,

DAY 2 for electronics and electrical department, it was circuit design and implementation task and for civil department it was structure model making task. Undoubtedly, these tasks were also topped by us and got 1 rank among 15 teams by considering average score of all departmental scores.

DAY 3 : Based on Day 1 and Day 2 scores, we were qualifiedfied for the finals on day 3. It was wholly departmental core numerical based buzzer round with negative marking system provided with specified time duration. At the end of the Day 3, the moment the Event Coordinator announced Team WALCHAND COLLEGE OF ENGINEERING, SANGLI as the WINNER of the Technical Championship, our team erupted with loud cheer. All smartwork had paid off. We received prize money of 50,000/-(Fifty Thousand) rupees.

Technical Championship 2018
@ MindSpark, COEP

Team Walchand College Of Engineering, Sangli

IEEE Natinal Hackathon

IEEE FIRST NATIONAL LEVEL HACKATHON, VIT !!

Event Details: IEEE Hackathon is the national level, technical Hackathon organized by IEEE for the first time in Bombay , where Vidyalankar Institute of Technology hosted the 24 Hrs Hackathon. Our team of 3 members from Electronics Department represented our college i.e.WALCHAND COLLEGE OF ENGINEERING, SANGLI. The members were selected in such a manner that there was a right mix of leadership skills, theoretical and practical knowledge, aptitude and problem solving skills and proven ability to work in a team environment. The event of Hackathon spanned across 2 days between 30th to 31st March. Initially We had submitted our idea proposal , which got selected and was placed among top 21 from 72 proposals received to IEEE. Hackathon began with registeration of top 21 teams , Inauguration and the 24 Hr Hackathon started at 12:00 noon on 30th March,2019. Our idea of Hackathon was SMART DEFOGGER AND ADVANCED INTELLIGENT DRIVING SYSTEM.

IEEE Natinal Hackathon

The judges there had proposed for some changes and some additional features to add in our project. Along with the 2 additional features they had proposed, our project was ready by 9:00 a.m. on 31st March,2019. Judging was done which had our team to present the prototype model before two judging panels within 10 minutes for each panel. Hackathon ended at 1:30 p.m. on 31st March. The Prize Distribution Ceremony began at 3:00 p.m and our team was adjudged with Consolation Prize and we received prize money of 4,000 /-(Four Thousand) rupees.

WCE NATIONAL LEVEL HACKATHON!!

WCE Hackathon is the national level, technical Hackathon organized by WCE where Walchand College of Engineering hosted the 24 Hrs Hackathon. Our team of 4 members from Electronics Department, The members were selected in such a manner that there was a right mix of leadership skills, theoretical and practical knowledge, aptitude and problem solving skills and proven ability to work in a team environment. The event of Hackathon spanned across 2 days between 16th to 17st March. Initially we had submitted our idea proposal, which got selected and was placed among top 30 from all national level proposals received to WCE.

WCE NATIONAL LEVEL HACKATHON!!

Hackathon began with registration of top 30 teams. Inauguration and the 24 Hr Hackathon started at 11:00 morning on 16th March, 2019. Our idea of Hackathon was SMART DEFOGGER AND ADVANCED INTELLIGENT DRIVING SYSTEM. Along all proposed solution with prototype, our project was ready by 3:00 a.m. on 17st March,2019. Judging was done which had our team to present the prototype model before two judging panels from TCS and Pubmatic company for each panel. Hackathon ended at 11 a.m. on 17st March. The Prize Distribution Ceremony began at 12:00 p.m and our team stood first among all teams and declared as Winner Prize and we received prize money 30000

Club Service

ELESA conducts Club Service once a week on Monday or Thursday. The main aim of the Club Service is to introduce the students to new advancing technologies. Each club service is planned on a theme that consists of technical and non-technical domains. The club service begins with a brief overview of themes followed by different sessions, such as Technical sessions, Aptitude sessions which help students for their academics and also for placement. Along with that, several soft skills-building activities are taken. The CS is planned under the guidance of seniors. Also, in every CS we have an ELESA Talk by B-Tech seniors which is based on their placement, company, and guidance for the future. Last but not the least, we have a question of the CS in the end which increases interest among the students.