



St. Joseph's College of Engineering & Technology, Palai
School Code: 63791

Report of Activities

January 2011 – March 2011

The following is a brief account of activities held by the IEEE SB, SJCET, Palai.

- A four day MATLAB workshop was co-organised by IEEE SB of St. Joseph's College of Engineering and Technology, Palai. 120 students attended the training program, which included both the IEEE and non-IEEE students. The workshop was conducted by Mr. Sangeev Kupakaddi, from ITIE Solutions, Bangalore, who is a pioneer in MATLAB training and a strong IEEE promoter in the Bangalore section. The four day workshop commenced on the 31st of January 2011 till the 3rd of February 2011. It covered a wide variety of topics, such as:
 - Basic MATLAB
 - Digital Signal Processing
 - Introduction to Image Processing



- An AWARENESS PROGRAM was held exclusively for the first year IEEE members. The session was handled the Secretary, Mr. Eabi Shaji, at the Main Block Seminar Hall at 4:30 p.m. on 31st January 2011. All the 60 who attended the program were enlightened about IEEE's aim, vision, mission, WIE, the challenges faced by IEEE and most importantly the value of membership. He also gave a brief overview of the IEEE SJCET SB and its goals for the current academic year.



- A session was next held on TRICKS AND TIPS ON WINDOWS 7 which was lead by Dixon Dominic, at the Main Block Seminar Hall at 4:30 p.m. on 1st February 2011. The 45 students who attended the program left the hall fully loaded with information. It triggered their interest in Windows 7 and inspired the students to use their operating system in a much more efficient and innovative manner.
- An event called JUNIOR CONTENDER was conducted by Krishna S Nair, at the DB-1 Seminar Hall at 3:30 p.m. on 2nd February 2011 which gave the first years a taste of the fun side of the IEEE SJCT SB. The competition not only provided a venue for the fun loving students to showcase their talents but also provided a platform for the shy ones to bring out the best within them, keeping all stage fear aside.



- Another fun program was the outdoor events that were managed by Bush Simon, at the basketball court at 3:30 p.m. on 3rd February 2011. The participants were divided into three groups and given various activities. All the fun and frolic helped each of the students relieve their minds.



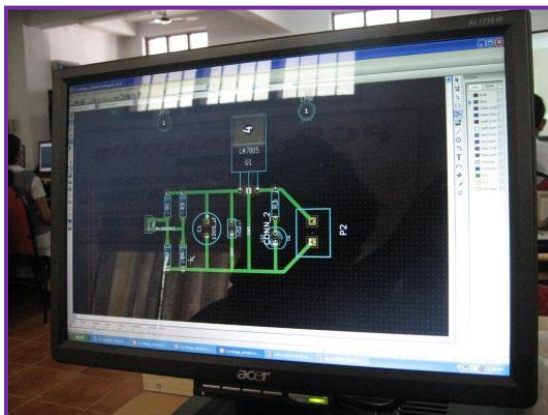


- The IEEE SJCET Student Branch conducted a TV TURNOVER on 24th February 2011 at 5:00 p.m. at the Main Block Seminar Hall. About 11 students attended the program. They were divided into two groups of 6 and 5 students each. The topic of the TV turnover was **Construction Of The Milau Bridge**. It was well handled by Rajesh Ventrarakada. It displayed the listening skills and intelligence of the participants.



- A six day PCB DESIGN workshop was organised by IEEE SB of St. Joseph's College of Engineering and Technology, Pala which had participation of 117 students. The workshop was conducted by Mr. Ajith and Ms. Nandini from Electronics For You (EFY) Tech Centre, Bangalore, during 21st February till 26th of February. It covered a wide variety of topics, including:

- Simulation of circuits using QUCS software
- PCB design using KICAD



- The IEEE SJCET SB conducted the AGM (Annual General body Meeting) in the Dept. Block III seminar hall. The program started at 3:30pm. Around 80 students attended the program. The AGM started with Mr. Savio Joe reading out the IEEE Code of Ethics. After that Mr. Sabarinath, our branch counsellor, gave the welcome speech followed by Mr. Paul Ansel, faculty advisor of WIE and a speech by the chief guest for the day, Mr. Madhukumar, the Dean of our SB and the HOD of Applied Electronics and Instrumentation. After his speech, Mr. Eabi Shaji, Secretary, gave a detailed report on the activities that were held in our college during the year 2010. This was followed by a speech by Ms. Delice Cyriac, our Chairperson. For the first time, our SB introduced the Best Volunteer Award which was rightly awarded to Mr. Bush Simon. Along with this, Mr. Thomas Siby and Mr. Dixon Dominic were given a cheque and a certificate for having secured the 2nd position in the global Photo Contest held by IEEE. Finally, the nominations for the new Exe-Com members for the year 2011-2012 were called up which was passed by the audience without any objections. After this, Mr. Thomas Siby, the new Chairman presented his speech followed by Ms. Krishna Nair, WIE Chair, Anu Joseph, WIE Secretary and Mr. Rajesh, Secretary each stating their plans for the year ahead. The open forum held after this brought a lot of suggestions from the audience regarding the activities that could be held in our college. The meeting was brought to an end at 5:45 p.m. with the photo session.





- IEEE SJ CET SB co-organised a two day OrCAD training program during the 10th and 11th of March 2011. The session was handled by Mr. Mohit John, Asst. Prof, Dept. of AEI. Both IEEE and non-IEEE students attended the program enthusiastically and benefited quite a lot from this training.
- A National level Project Exhibition, PaeiX 2K11 “Where Engineering meets Ingenuity”, supported by IEEE, was conducted at SJ CET on 18th March 2011. The Department of Applied Electronics & Instrumentation was the brains behind this highly anticipated program. The Registrations for the event commenced by 9:30am. By 10:30am there were about 13 registered projects (3 internal & 10 external), which were set up in the electronics lab complex. At 11am these projects were subjected to first evaluation. PaeiX 2K11 was then officially inaugurated by 12:45pm over which our Chairman Msgr. Philip Njaralakatt presided. For the first round of evaluation, the judges - Mr. K.N. SOMANATHAN A. & Mr. C.S.M. KUMAR from Govt. Poly Tech, Pala qualified the best 9 for the final round of evaluation at 2pm. Among the Exhibits, the “HYBRID CAR” from the Mechanical Department, was highly noted and appreciated by the external participants. For the final round of evaluation the judges were Mr. PAUL ANSEL V. from the Department of Electronics and Communication & Mr. JOSE PHILIP from the Department Of Mechanical Engineering. During their final rounds the finalists had to present their project in the form of a Power Point Presentation. There were many interesting projects among these like- 3D IMAGING, 3D PRINTER, DISTILLATION USING SOLAR POWER, FACE DETECTION and several others. The judges evaluated the participants on the basis of their soft skills, material for presentation & on the basis of question tackling; out of which The Final Three were selected based on their marks. The First Prize of Rs 12000 was bagged by the team from SCMS for their 3D PRINTER. The second was awarded to Mr. Jobin Daniel and Team from SJ CET with Rs 6000 for ELECTROCHEMICAL SPARK MACHINING. Finally not behind were Mr. Jomon John and team from SJ CET pursuing Rs 2000 for FACE DETECTION. As a token of appreciation all the participants in the finals were awarded participation certificates and cash tokens. Mr. ABI P. MATHEW concluded the fest with his vote of thanks.



- A technical talk on 'Ethical Hacking' was held on the 28th of March, 2011 by Mr. Bibin Mathew, a First year IEEE student member of SJCET, Palai. The talk drew much appreciation and the even semester's activities of the SB concluded as exams got under way.

FACE TO FACE ECLECTIC '11

The IEEE STUDENT BRANCH of Amritha Viswa Vidyapeetam hosted the IEEE FACE2FACE ECLECTIC' 11 in their college on 6th march 2011. Six students from our college participated for the programme. The programme commenced at 10am. The program was inaugurated by Mr. S Gopakumar of IEEE Kerala section. Akshay of KMCT College presented a speech. Key features were the number of colleges participating and the importance of this programme - 32 IEEE student branches and 2 non-IEEE colleges participated. The Principal then took the floor. He focused on the college and its activities happening in and around the college and how much he supported the IEEE. Mr. S Gopakumar then gave his speech on his experiences of work in the IEEE. Mr. Jaison Abey Sabu, SAC of IEEE Kerala section and Mr. Rajesh Kannan who is the IEEE student branch counsellor of the college then addressed us. His address focused on the benefits of IEEE from the career point of view. Mr. Sentil Kumar who is the secretary of the IEEE Kerala Section gave his blessings to all of us. Finally, Ramesh N Nair, LINK Technical co-ordinator of the college, presented the vote of thanks.

After the session a 5 minute presentation was shown which covered the social activities of the college. Soon after this Mr. Gopakumar took a session on professional and personal growth. Soon after this there was a short tea break during which we were able to meet the Exe-Comm. members of various colleges. After the tea break Sumod spoke on recent technologies in Computing/Electronic, including Image processing and its applications such as in wildlife photography, clothing etc. During lunch, we had another interaction with him and he turned out to be a real mind twister! He shared his personal experiences in life and also explained about the benefits of taking MS rather than M Tech. After lunch, the last session was the SB Operations/Lifecycle and officers' role. This was the main session for the Exe-Comm. We

listened patiently and noted the points. The last 20minutes was by Mr. Sentil Kumar. The program ended at 4pm.

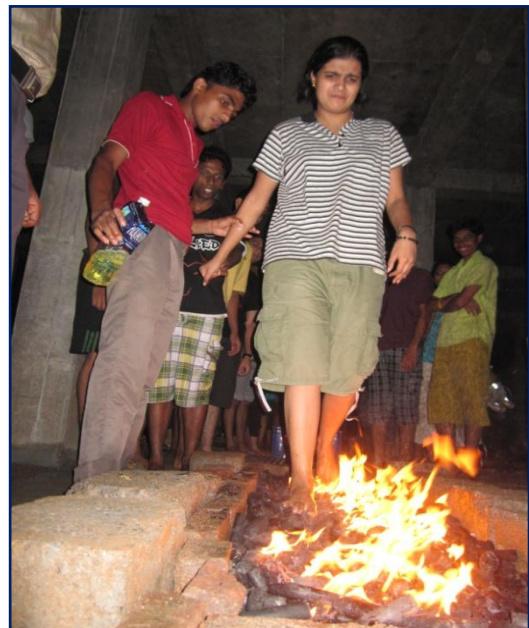




BREAKTHROUGH 2011

‘BREAKTHROUGH 2011’, an outbound training programme to imbibe management and leadership values in students was co-hosted by the IEEE in collaboration with the LEAD College Of Management on 11th, 12th, and 13th June 2011. 51 students from SJCET Palai, participated in this programme. Finally relieved from examinations, everyone was looking forward to this interesting adventure.

We boarded a train to Palakkad from the Ernakulam South Railway Station. Everyone got to know each other on the train journey. On our arrival at Palakkad, Rashid, a trainee took us to the college where we were allotted rooms. Our program started at 4:30pm with a brief introduction by Mr. Arun, who was to be our guide for the remainder of the programme. We were split into 4 teams and after two short indoor games, we got to our first physical activity. This included crossing the Burma Bridge, Parallel Crossing, and the Swing Bridge, followed by a Commando Net. After everyone had performed all of these tasks we had our supper. We were then taken to an unlighted area for our fire-walking task.



After igniting some coal with kerosene, we were made to walk through the fire barefoot, although we were made to dip our legs in ice-

cold water for 10 seconds first. At first, some were a bit wary but everyone succeeded in doing it. The day ended with instructions for the next day. We slipped into slumber at 12am.

The next day, breakfast was served at 6.30am. Soon after, we started our trek to the Dhoni hills where the activities for the day would be held. We reached a mountain top at 9am. Before every task commenced, it was demonstrated and explained. We learned the basic mountaineering techniques such as the 3-point contact method. In such situations, knowledge of the 3 Ss – Safety, Support and Save Resources is vital. We had activities such as mountain climbing, rappelling, vertical rappelling and front rappelling at the main activity zone. Climbing a



vertical rock face was much tougher than the other tasks since there was no supporting rope other than the belay rope. It was cloudy and it rained furiously in bits and starts. We had light refreshments around midday. We were later taken to a cave where we were asked to climb out of a very thin gap at the top of the cave all by ourselves! The gap was so thin that one had to remain sideways in order to move up! For people who were slightly plump, it became a very difficult task. Yet, each and everyone managed to complete it. The last task of the activity area was Chimney Climbing.



We trekked back to the college at around 5pm, covered in filth and wet from the rain but satisfied with ourselves. Though we were exhausted there was no time for respite as we got off to our next set of activities, which included Trustwalking, Gliding and Joomering. Finally, as the day's physical activities came to an end, it was past 10pm! However, there was still more to come with every team being asked to put up an even for the Cultural Nite at 10.45pm. Though everyone was mentally and physically

stressed, all the teams put on a great show and had a great time. When the day's festivities came to end and everyone went to bed, it was well past midnight and everyone was grateful for the shuteye.

Still sore from the previous day's activities, we were slow to get up. However, there wasn't a moment to lose! Right from 6.30am in the morning we were thrust into interesting activities. The first was shooting using a pellet rifle. The four teams went up against each other to see who would bag the highest number of hits. After breakfast, we walked to our second activity zone. Merriment was in the air as we sang and danced all the way to the area. Even Brownny (horse) came along! Rain accompanied us all the way and a cold wind added to the slight chill.



Once at the activity zone, we had three tasks ahead of us – Mission Impossible, High Tension Wire Crossing and Pipe and Ball. All the tasks required careful planning and teamwork, not to mention perfect execution. Mission Impossible was the major attraction that day. Though some of the teams experienced minor hiccups, everyone finally got it right and celebrations ensued! There was a bonus today – swimming! Since the water in the pool was quite deep, ropes were tied across

it to allow people who didn't know swimming to have a go at the pool. Divers and swimmers and enthusiasts alike, everyone joined in!

Back at the college, at around 5pm, we had glass-walking, where all of us had to walk on crushed glass. Though fire-walking and glass-walking seemed dangerous and hazardous at first, they turned to be very easy. Later, after snacks, we were given time to prepare for a skit. All the teams had to present a skit, showing what all they had learned from the three days at the camp. It was thrilling and all the teams presented their skits with vigour.

After supper at 9pm, we were awarded our certificates, stating that we had successfully participated in Breakthrough. Some of the students left then itself and everyone said bye to them. The rest remained on for the much awaited DJ night, where the chairman of the college, Mr. Thomas, hit the dance floor as well! Finally, everyone went to bed with warm memories of the three odd days spent at LEAD. All in all, it was an unforgettable experience, from fire-walking to vertical rock face climbing. Though happy to be going home, everyone was slightly remorseful to depart from the place. We all look forward to the next Breakthrough and hope that it will be even more amazing.



Report compiled

Mr. V Rajesh
Secretary, SJCET SB

Mr. Thomas Siby
Chair, SJCET SB