

IEEE - TOCE Student Branch



IEEE student branch approved in 2011 and having branch code 08641 & our IEEE Oxford school code is 60020461. In the last academic year IEEE Bangalore section and R10 given lot of awards to IEEE student branch The Oxford College of Engg. Additionally not only awards but recognition in international and national level came to our college.

- Currently Dr. Preeta Sharan is working as IEEE student branch counsellor TOCE.
- IEEE Senior Member ship awardees 1. Dr. M S Shashidhara, 2. Dr. Preeta Sharan,
- IEEE Professional members 1. Reema Sharma 2. Dr. Manjunath 3. Dr. Vivek
- About 60 students registered as IEEE Student members and actively involved in conducting technical events in our college.
- IEEE Student Branch Office bearers : Allen Vivean Miranda, Chairman and also ambassador for IEEE madc. Ashwin P, Vice chairman of IEEE Student Branch, TOCE.
- Our college approved with Society of **Women in Engineering and Photonics society** and **also Electronic Device Society** which is in pipeline.
- IEEE Consumer Electronics Society got approved recently for our college under Dr. Vivek Maik, Professor, ECE Dept.
- Dr. Preeta Sharan is elected in the current slate as SIGHT (Special Interest Group for Humanitarian Technology) Co-ordinator for Bangalore section. Since August 2015,

IEEE Students Branch Awards & Recognitions

- IEEE Branch Counselor Dr. Preeta Sharan won First Rank Award \$800 in SIGHT Design Contest by MIT Society USA at Hyderabad on December - 2015 where ten countries people participated.
- Dr. Preeta Sharan got Awards \$250 for SIGHT Project Funding on June 2015 .
- Prof. Reema Sharma got AIYHUM Awards \$250 for the Project entitled “Embedded System Based Wrist Band for Older People “on June – 2014 .

- Dr.Preeta Sharan got HTA-R-10 Awards \$980 for the Project entitled “Health Monitoring System for pregnant Lady using GSM Technology “on June – 2013 This sectioned project was among five best Selected Project in Asia Pacific.
- Dr.Preeta Sharan got HTA-R-10 Awards \$800 for the Project entitled “Health Monitoring System for pregnant Lady using GSM Technology “ Wireless Head Mount Device for Physically disable person in May-2012



Dr.Preeta Sharan with IIT Delhi Professors and with the device demo of her invention at Hyderabad.

- Dr.Preeta Sharan gave technical talk on "Photonics for Defence Applications" for DRDO,BEL Scientists on 7th Dec 2015.
- Dr.Preeta Sharan got selected as resource person from IEEE Bangalore Section to deliver lecture in different colleges in areas such as Optical Sensor, Optical chip design, quantum dot, SPR.
- Dr.Preeta Sharan got awarded by cash prize from IEEE Bangalore Section for publishing transaction papers.



Dr.Preeta Sharan with IEEE Vice-President for WIE

Dr. Preeta Sharan presented paper in IEEE conference TENCON Macau, china funded by Science and Engineering Research Board New Delhi in November 2015.

IEEE Members Achievements

- Dr.Preeta Sharan and M.Tech Student Nalini filed patent in 2015 for Quantum dot based ALU Processor.
- M.Tech Student IEEE members presented research papers in IEEE conferences and Springer Conferences.
- Dr.Preeta Sharan gave an expert talk on "Research Issues- Quantum computing and Photon Electronics: on 28-10-15 BTLIT, Bangalore.
- Dr.Preeta Sharan won "IEEE Bangalore Publication Award" in December 2015.
- Dr.Preeta Sharan was guest speaker to CEP on Photonics for Defence Application on 7th to 11th Dec 2015.
- March 28th 2016 at Amrita College, Technical talk was given by Dr.Preeta Sharan on Photonics and Optical Communication.

IEEE Student Members Achievements

Bharath Kumar R and K Yetish Reddy 6th sem ECE, secured **First place and Cash Award Rs. 6000** in Research Paper Presentation Contest at IEEE-2016, A National Level Technical Symposium held at Siddaganga Institute of Technology. Tumkur

Bharath Kumar R and K Yetish Reddy secured 6th sem ECE **First Place and Cash Award Rs. 4000** in Research Paper Presentation Contest for paper presentation at Prerana 2K16 at GITAM University, Bangalore

Allen Vivean Miranda and Ashwin P, 6th Sem ECE **First Place and Cash Award Rs. 4000** Research Paper Presentation Contest at IEEE-2016, A National Level Technical Symposium held at Siddaganga Institute of Technology. Tumkur

Allen Vivean Miranda and Ashwin P, 6th Sem **First Place and Cash Award Rs. 4000** in Paper Presentation Contest at Magnovite'16 held at Faculty of Engineering, Christ University, Bangalore.

Allen Vivean Miranda and Ashwin P, 6th Sem ECE secured **First Place and Cash Award Rs. 4000** Paper Presentation Contest at Twelfth National Student Conference KAGADA-2015 held at University Visvesvaraya College of Engineering, Bangalore.

Allen Vivean Miranda and Ashwin P, 6th Sem ECE secured **First Place and Cash Award Rs. 4000** in IEEE Paper Presentation Contest during Phase Shift -2015 held at B.M.S. College of Engineering, Bangalore.

Allen Vivean Miranda and Ashwin P, 6th Sem ECE secured First place in Inter-Department Technical Paper Presentation held at The Oxford College of Engineering, Bangalore.(2103-2014)

Allen Vivean Miranda and Ashwin P, 6th Sem ECE Presented their Research Paper on Quantum Dots at the International IEEE Conference IndiaCom 2016 at Delhi

Allen Vivean Miranda 6th Sem ECE, awaiting publication in IEEE Xplore Digital Library for the paper titled “*An Efficient Design of 4-Bit Serial Input Parallel Output/Serial Output Shift Register in Quantum-Dot Cellular Automata.*” which has been presented at the “*3rd International Conference-INDIACom-2016*” at *BVICAM Delhi*

Allen Vivean Miranda 6th Sem ECE, published paper titled “*Cancer Detection Using Photonic Crystal Lab-on-Chip Bio-Sensor*” has been published in ***IJAER (International Journal of Applied Engineering Research)***, ISSN 0973-4562 Vol.10 No.48 (2015) and presented at the *National Conference RISE-2015*.

Allen Vivean Miranda 6th Sem ECE, published paper titled “*Hexagonal Ring Resonator Lab-on Chip Sensor for DNA analysis of Lung Cancer*” has been published in ***DISCOVERY***, The International Daily journal, ISSN 2278 – 5469 EISSN 2278 – 5450 and presented at the *International Conference CCEEDS-2015*

Allen Vivean Miranda 6th Sem ECE, published paper titled “*DNA analysis for the detection of lung cancer using a photonic crystal bio-chip*” has been presented at the *International Conference ICONECC-2015*.

Ashwin P, 6th Sem ECE, published Paper titled “An Efficient design for Serial Shift register using Quantum dots Cellular automata technology” was presented at the International IEEE Conference IndiaCom 2016 and awaiting publication in IEEE EXPLORE for the same.

Ashwin P, 6th Sem ECE, published in Discovery – International Daily journal (IF -2.7) titled A novel design of high speed frequency divider using various flip-flops in quantum-dot cellular automata. Discovery, 2015, 47(216), 13-17

Ashwin P, 6th Sem ECE, published paper in IJAER 2015 special edition Vol.10 No.18 under the title “An efficient design of 4:1 multiplexer in Quantum-dot cellular automata”.

Ashwin P, 6th Sem ECE, presented two papers at the international conferences such as CCEEDS-2015 and ICONECC- 2015. Paper titled “Design and analysis of counters using Quantum Dots Cellular Automata” won the best paper award at the national conference RISE-2015



(from left) Yetish Reddy, Ashwin P, Allen Vivean Miranda, Bharath Kumar R

PG STUDENTS



From Left Ashiki, Navyashree H A, Jayalakshmi, Harshitha M, DrPreetaSharan, Samyuktha A Hassan, Ambhika G, Savitha, Anil



Dr.T.Srinivas, Professor ECE dept, IISC Bangalore and Dr.Preeta Sharan with M.Tech Students on research meeting

DEPARTMENTAL ACTIVITIES/IMPORTANT EVENTS UNDER IEEE

EXPERT GUEST LECTURES

- Bio waste carbon nanosphere and its applications by **Prof. Guru Murthy** Professor, R&D, BMSCE, Bangalore on 08/09/2015
- Consumer Electronics by Dr. Prabindh Sundareson Principal research engineer, research and development department, Samsung,. Bangalore.on 19/09/2015
- Optical fiber Transmission systems by Dr.Rajappa Pappannareddy, PRLightCOM Broadband Solutions Pvt. Ltd., Bangalore on 10/02/2016



WORKSHOPS

- Technical Workshop on Circuit Simulation and Design sponsored by IEEE conducted on 17/10/2015
- Hands on workshop on "Micro-Opto-Electro-Mechanical Systems" by Dr.T.Srinivas



conducted on 16th April 2016.

Chief guest Dr.Indumathi, VTU special officer and Dr.T.Srinivas, Professor, ECE dept, IISC Bangalore on technical talk with ECE staff

IEEE Conferences/Workshop

OxyTech-2016

The Departments of MCA &ISE of The Oxford College of Engineering, organized a 2-Days, National Level Students Convention & Techno-Cultural Fest - "Oxy-Tech 2K16" on the 17th and 18th of March, supported by the students chapter of CSI and IEEE of TOCE, with an intent to provide the opportunity for the students to learn leading-edge technologies, and also exhibit their talents in both technical and cultural fields. The event was graced by an extensive media coverage by Janasri News, Radio mirchi, Buddy.in. Oxy-Tech 2K16 started with the ceremonious inaugural function presided by the honorable Chief Guest Sri. Krishna Byre Gowda, the Mr.Krishna Prasad, Senior Director of Cisco Systems. Number of participants across the nations was more than 500 numbers.



OxyTech-2015

MCA &ISE students of The Oxford College of Engineering, organized a 2-Days, National Level Students Convention & Techno-Cultural Fest - "Oxy-Tech 2K15" on the 11th and 12th of March, supported by the students chapter of CSI and IEEE of TOCE, with an intent to provide the opportunity for the students to learn leading-edge technologies, and also exhibit their talents in both technical and cultural fields.



OxyTech-2014



Inauguration Function OxyTech2K14

Participants in OxyTech2K14

IEEE-C2SPCA -2013

IEEE-C2SPCA was organized by Departments of MCA and ECE ,The Oxford College of Engineering ,Bangalore on 10-11 October 2013. The conference covers wide range of subjects from the field of Electronics, Control, Telecommunication, Computer Science & Engineering and which will spread from theory, design and applications in the areas. C²SPCA 2013 would offer a forum to the academicians, researchers and students to interact with experts in emerging trends in various areas.



Inauguration of IEEE-C2SPCA-2013 By Dr. Surendra Pal



Releasing of IEEE-C2SPCA-2013 Proceeding By Honorable Guest on Dias

IEEE-AGM-Meeting - 2012



IEEE- AGM & Execom Meeting Couducted by Dept. of MCA

ICODC – 2012

The main objective of ICODEC –2012 is to bring together members of the Computing & Networking community from all walks of life, especially the academia and the industry, to discuss recent advances in this fast developing and complex field and to come out with innovative ideas for meeting the computing demands of the present day society.



Inauguration of ICODEC-2012

BIOCARNIVAL- 2012

Very simply BIOCARNIVAL' 12 aims to discover and give an impetus to the immense biotechnological talents. The event will aim at catering to the interests of the students and bring all students of the same area of interest of biotechnology from around the country on the same platform BIOCARNIVAL' 12 and will result in sight to behold. For the same, we intend to conduct core events such as Biophotography, Biomodelling, Quest, Schatjacht, Bizwiz, Technovation and Words on code



Biocarnival – 2012, Guests & Deligateds