



# NEWSLETTER 2015-16



B.Tech, ECE Program Accredited by **NBA** NATIONAL BOARD OF ACCREDITATION

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING  
**SAINTGITS COLLEGE OF ENGINEERING**

July 2016

### Vision:

To be a model for academic excellence with international outlook in the realm of Electronics & communication Engineering.

### Mission:

- Impart analytical & technical skills in young minds to fortify the process of learning.
- Equip them with state of the art technologies to meet growing challenges of the industry & have a successful career upholding ethical values.

### Programme Educational Objectives:

Our graduates will

- Learn and adapt to the growing challenges in the Industry.
- Have a successful professional career in Engineering & allied fields.
- Inherit positive attitude to contribute as a professional, individually and in groups to meet societal needs.

### Programme Outcomes:

The Programme Outcomes of Undergraduate in Electronics and Communication Engineering are

- PO1: Apply the knowledge of mathematics, science, and engineering fundamentals to provide solutions to engineering or related problems.
- PO2: Identify, formulate & analyze complex Engineering problems using principles of basic science & Engineering.
- PO3: Design & develop solutions for complex engineering problems considering societal and environmental constraints.
- PO4: Investigate complex problems, design experimental setup & interpret results to give valid conclusions.
- PO5: Select & apply suitable tools for modeling complex engineering activities.
- PO6: Provide solutions for contemporary issues of society.
- PO7: Offer sustainable solutions to problems considering the environmental & societal factors.
- PO8: Understand and practice professional and ethical values adhering to the norms of engineering practices.
- PO9: Function effectively as an individual or team in multi-disciplinary activities.
- PO10: Communicate effectively with engineering community & society at large on complex engineering activities.
- PO11: Demonstrate acquired skills in managing multi-disciplinary projects considering financial constraints.
- PO12: Figure out, learn & adapt to the changing technological arena.

**The third conference on Solid State Circuits** was organized on the 13<sup>th</sup> and 14<sup>th</sup> of August 2015 by the SAINTGITS IEEE SSCS students' chapter. The Conference was inaugurated by Dr. M. Jagadesh Kumar, NXP (Philips) Chair Professor, IIT Delhi. After the inauguration, he delivered a talk on the topic, "Nano-scale transistors for energy efficient ICs".



**HORIZON2K15:** The technical fest of the Electronics and Communication Department in association with ASGEC (Association of SAINTGITS Electronics and Communication students) was held on 31st July and 1st August. The activities of ASGEC for the year 2015-2016 was inaugurated on 31/08/2015, followed by the technical fest HORIZON 2K15.



**Merit Day-16:** Department of Electronics and Communication Engineering celebrated the Merit Day of 2015-16 academic year on 21-04-2016 at 2.30PM in the Mini auditorium. Mr. Thomas T. John, Director, SAINGITS College of Engg. was the president of the function. Students of various classes were appreciated for their excellence in various curricular & co-curricular activities with prizes and certificates



**A technical Talk on 'Biometrics'** was arranged on 17/3/16 for all students of ECE. The session was handled by Dr. Anzar S M, Associate Professor, MES college of Engg., Kuttippuram.



The project titled "**Digital Vehicle Identification**" won the Best Electronics Project award in the inter-collegiate project competition - SRISHTI 2016 held at SAINGITS College of Engineering during the 27<sup>th</sup> and 28<sup>th</sup> of January 2016. The project was implemented by Chris Rachel Shaji, Emy Susan Rajan, Jibin .K John, Mobin Daniel and was guided by Er. RekhaSubash.



**A technical Talk on 'Application of Image Processing'** was arranged on 12/8/2015 for S5 ECE students. The session was handled by Dr. Deepa J, Associate Professor, MES college of engg., IHRD, Chengannur.

**A technical Talk on 'Introduction to mobile communication'** was arranged on 24/7/2015 for S7 ECE students. The session was handled by Er. Sudheesh A N, BSNL Kottayam.

## Activities of The Institution of Engineers (India) SAINGITS Students' Chapter - EC Division

**Quiz Competition:** The Electronics and Communication Engineering Division conducted a quiz competition on 1<sup>st</sup> April 2016. Five teams of three members each, shot out the answers to the quizmaster. The quizmaster was EC division adviser and S6 IEI student representative of SAINGITS College of Engineering.



**Soldering Competition:** The Electronics and Communication Engineering Division conducted a soldering competition on 6<sup>th</sup> April 2016. Thirty-three teams of two members each, participated in the prelims round of soldering competition. Based on the performance of prelims, ten teams were shortlisted for a final round.



**Paper Presentation Competition:** The Electronics and Communication Engineering Division conducted a paper presentation competition on 08<sup>th</sup> April 2016. According to abstract and the title ten papers were shortlisted for first review for presentation. Based on the contents of the paper, five papers were shortlisted for a final round. The judges were Dr. K P Zachariah and Dr. Binu K Mathew of ECE department, SAINGITS College of Engineering.





## Activities of IETE Students Forum (ISF)

**QUIZ Competition:** An Intra college quiz competition was conducted by ISF – SAINTGITS in association with Department of ECE on 12<sup>th</sup> and 13<sup>th</sup> August 2015. 460 students from various departments of SAINTGITS College of Engineering and SAINTGITS College of Applied Sciences participated in the prelims and 8 students (four teams) were selected for the Final Round. The final round was conducted on 13<sup>th</sup> August 2015. The team of Ms. Rubina Ibrahim of S7 CS and Mr. Jogimon Sebastian of S7 AEI won the First prize and the second position was bagged by Mr. Jerush John Joseph and Mr. Sreehari T G of 2<sup>nd</sup> year BCom. The Quiz master was Ms. Anju Narayanan, S7ECE and the Scorer was Ms. Sharon S K, S7 ECE and Mr. Philip Kuriakose, S5 ECE. The Programme was monitored by Professor Riboy Cheriyan, ISF-staff coordinator.



**Tutorial Session on “Introduction to Arduino”:** The IETE Students Forum (ISF) in association with Association of Electronics & Communication engineering (ASGEC) organized a tutorial session on “Introduction to Arduino” to S3 ECE students on 30<sup>th</sup> September 2015. 57 students of S3 ECE attended the session. The session was handled by Ms. Anju Narayanan, Mr. Sanjay Kumar V S and Mr. Tony C Antony of S7 ECE.



**Paper Presentation Competition:** IETE students forum organized an inter college level paper presentation competition on 13/02/2016. Six teams registered for the event. Dr. K. P. Zacharia and Prof. Shajimon K John are the judging panel for the event. Ms. Parvathy S Kumar and Ms Mable Susan Bobban of S7 ECE bagged the 1<sup>st</sup> prize and Mr. Aravindh S Pai bagged the 2<sup>nd</sup> prize. The third prize was bagged by Mr Jibin K John and MsChriss Rachel of S7ECE.

**Asso. Prof. Pradeep C** received his **Ph.D in the area “Testing of Reconfigurable Systems”** from the department of Information and Communication Engineering, Anna University, Chennai.



**Asso. Prof. Binu K Mathew** received his **Ph.D in the area of “Secure systems in VLSI”** from the department of Information and Communication Engineering, Anna University, Chennai.



**Professor Shajimon K John** received his **Ph.D in the area of “Image Processing”** from the department of Electronics and Communication Engineering, Karpagam University, Coimbatore.

**NBA Expert team visit:** The NBA Team visited our department during 19, 20 and 21 of February 2016. They visited and inspected keenly every lab and all facilities of our department. Our department was provisionally accredited by NBA for two years with effect from 1/07/2016.



**DAB Meeting:** The department advisory board meeting was held on 03/04/2016 in the department conference room at 11.00 a.m. The main agenda of the meeting was to assess the performance of our department during 2015-16 academic year and finalize program specific objectives of the UG programme.



**ALUMNI MEET:** The alumni meet of ECE department was held on 24TH October 2015 in the Department Theatre Room. Prof. Susan Abe, HOD ECE, welcomed all and explained the importance of department alumni unit. Prof. Shajimon K. John detailed and discussed the agenda of the meeting.

After the official meeting, Er. Biju Joseph and Er Joseph T C from 2002-06 batch demonstrated their own industrial product “APSO” – a wireless smart lock.



A session on 'PCB making' was conducted for S6 ECE students by Er. JyothishChandran C



## ADD-ON COURSES

A three day course on “**System design using PIC Microcontrollers**” was conducted for the seventh semester ECE students from 8/7/2015 to 10/7/2015. Er.Chinn Mohanan & Er. Nishanth P R of ECE department lead the course and the practical sessions.

An add-on course on “**Circuit Simulation Using OrCAD**” has been conducted by the department of ECE for Fourth semester ECE students from 14/1/2015 to 15/1/2015. It was coordinated by Mr. Chinn Mohanan, Mr. Nishanth P R and Mrs.Beena A O. The sessions were handled by Er. Jyothish Chandran G and Er. Rekha Subash.

An add-on course on “**Image processing tool box on MATLAB**” was conducted for sixth semester ECE students from 18/1/2016 to 19/1/2016. The course was coordinated by Mrs. Sreekala.K.S and Mr.Aravindan.A. The sessions were handled by Prof. Shajimon K John,

An add-on course on “**Electronic Product Design**” was conducted for 3<sup>rd</sup> semester ECE students from 6,7 & 8 July 2015 by Er.Jyothish Chandran G & Er. Ajith Ravindran of department of ECE.

An add-on course on “**Digital design Using HDL**” was conducted for fifth semester ECE students from 6<sup>th</sup> to 8<sup>th</sup> July 2015 by Er. Binu K. Mathew, Er. Marie K James and Er. Dhanusha P B.

*Editor*

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