S.A.ENGINEERING COLLEGE

NBA Accredited & ISO 9001:2015 Certified Institution Accredited by NAAC with 'A' Grade

Issue 6
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Newsletter

Institute Mission

To create an excellent teaching and learning environment for our staff and students to realize their full potential thus enabling them to contribute positively to the community. To significantly enhance the self-confidence level for developing creative skills of staff and students.

Institute Vision

To transform our institution into quality technical education centre imparting updated technical knowledge with character building.

IN THIS ISSUE

EDITOR IN CHIEF

Dr. M. SUBRAMANIAM
Coordinator, Press & Media

EDITORIAL MEMBERS

Dr.B.R.TAPAS BAPU
Professor &Head/ECE

Mr.MARIA RUBISTON,
Assistant Professor/ECE

ELECTRONICS AND COMMUNICATION ENGINEERING

VISION :

To achieve overall excellence in education by continuously upgrading the teaching learning process and incorporating latest technological advancements happening worldwide with ethical responsibilities.

MISSION :

- To impart sound technical competency and quality education for students to enhance the employability and ethical values.

- To provide conducive environment for faculty and students with excellent facilities to improve research activity.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

PEO I : Our graduate Engineers will have professional competency in Electronics and Communication Engineering with good foundation in Mathematics and basic sciences.

PEO II : Our graduates will possess lifelong learning process and augment their engineering skills for new challenges with sustainability.

PEO III : Our graduates will have effective communication skills and work in multidisciplinary team.

PEO IV : Our graduates will practice the profession with ethics, integrity, leadership and social responsibility.

Robert Frost

"The only way around is through doing work."

PROGRAM OUTCOMES (POS)

PO I : To apply knowledge of mathematics, science and engineering appropriate to ECE discipline.

PO II : To formulate and analyze the complex engineering problems by using the principles of mathematics and engineering fundamentals.

PO III : To design and develop system (or) process to meet the desired needs with in the realistic constraints of the societal and environmental considerations

PO IV : To investigate complex problems by conducting experiments, analyze, interpret and synthesize the information to provide conclusions

PO v : To select and use appropriate modern tools for solving complex engineering problems.

PO VI : To apply reasoning knowledge for providing engineering solutions to societal needs by using professional engineering practice.

PO VII : To demonstrate the knowledge of engineering for providing environmental solutions and sustainable

PO VIII : To understand the ethical principles and professional responsibilities.

PO IX : To function effectively as a member (or) a leader in multidisciplinary activity.

PO X : To deliver effective presentations and communicate at ease with the society.

PO XI : To be a successful member (or) a leader in diverse teams with enhanced administrative skills and financial management.

PO XII : To realize the need for lifelong learning and adopt themselves to technological changes.

PROGRAM SPECIFIC OUTCOMES (PSOS)

PSO I : Ability to develop novel, compact and power efficient system using technical know how.

PSO II : Ability to implement hybrid communication Protocol to face the challenges in the field of Telecommunication

"Education is not the Learning of Facts, but the training of Mind to Think."

Guest Lecture on "APPLICATIONS OF TRANSMISSION LINES & WAVEGUIDES".

• ECE department organized Guest Lecture for third year students on "Applications of Transmission Lines & Waveguides" Dr.K.MALATHI, Associate professor, Department of Electronics and Communication Engineering, Anna University, Chennai was the resource person oon 27.08.2018.

Guest Lecture on "IMAGE PROCESSING".

• ECE department organized Guest Lecture on "Image Processing" Dr.N.M.NANDHITHA, Professor and Dean, Department of Electronics Engineering, Sathyabama Institute of Science and Technology, Chennai was the resource person on 03.08.2018.

Guest Lecture on "CONTROL SYSTEM ENGINEERING AND ITS APPLICATIONS".

• ECE department organized the Guest Lecture for second year students on "Control System Engineering and Its Applications" Dr.MATHIAZHAGHAN, Scientist D, Gun Control System Division, CVRDE, Avadi, Chennai was the resource person on 13.08.2018.

- Department of Electronics and Communication Engineering, Chennai organized, BRNS sponsored Two days Workshop on "Recent Advancements in Artificial Intelligence and Machine Learning Techniques A Special Focus on Oncology" from 14.11.2018 to 15.11.2018.

MINI COLLOQUIUM

- Department of Electronics and Communication Engineeringat S.A. Engineering College, Chennai organized, IEEE Photonics Society Sponsored Mini Colloquium on "Advancements

ALUMNI INTERACTION PROGRAM

- ECE department organized Alumni interaction program Ms.Yamini Ravindran, Business Analyst, Excelacom Technologies, Chennai, was the resource person on 15.09.2018.

- ECE department organized Alumni interaction program MR.GANESH KUMAR, Software Engineer, Robert Bosch ,MR.S.AKASH, Qspider, MR.CHARANDEEP, VDART Chennai were the resource person on 13.08.2018.

CO CURRICULAR ACTIVITIES

- SAEC Sponsored Rs.3,000/- to MS.JANANI of ECE Third year student to attend Conference at Goa organized by IEEE Students Chapter on 09.10.2018.

- S.A Engineering College Sponsored Rs.15,000/- for ECE final year students B.SANKARA NARAYANAN, M.YESWANTH and SHILPA BALAJI to attend project presentation organized by IEEE SSI2 Maker Fair held at Colombo, Srilanka on 08.09.2018 and 09.09.2018.

- **A.R.NAVEEN KUMAR & P.SRINIVAS** OF ECE department Students has Participated and Won Runner In Anna University Zonal Match On 11-09-18 At Vellammal Engineering College Chennai.

- **S.DHARANIDEVI, P.JAYABARATHI, R.ANISHA & P.KAVIYAVARSHINI** has won first prize in treasure hunt held on 11.9.18 at Shri Shankarl al Sundar bai Shasun Jain College for women Chennai.

1. **V.KAVIYAMALAI, S.MONISHA** of ECE III year participated in symposium (project presentation) at Dhaanish Ahmed College of Engineering held on 1.09.18.

2. **S.U.HEMAVATHI, B.MOUNICA** of ECE III year participated in symposium (paper presentation) held at J.N.N institute of Engineering on 01-09-2018.

3. **K.MAHALAKSHMI, S.JABEENTAJ** of ECE III year participated in symposium (Paper Presentation) at Dhaanish Ahmed College of Engineering held on 01.09.2018.

4. The following students **EDWARD .S.ANAND, MOHAN RAJ, DHINKARAN.N, ANAND.E, MANOJ, JANANI.R, HARINI.P, GANESH KUMAR.R , PRASANNA KRISHNAN, VIGNESHWAR.N** ECE of III year were nominated for World Block Chain Hackathon -2k18 held at Vaagdevi college of Engineering – Warangal on 30-8-2018 to 01-09-2018.

5. **EDWARD.S.ANAND, GANESH KUMAR.R, ANAND.E, DINKARAN.N** of ECE III year won 1st prize in coding contest held at RMD Engineering College on 06-08-2018.

6. **S.U.HEMAVATHI, B.MOUNICA** of ECE III year participated in symposium (paper presentation) held at J.N.N institute of Engineering on 01-09-2018.

1. **DR.C.ARUNACHALAPERUMAL** - Invited as an National Advisory Committee for Internatonal Conference on Recent trends in multi-disciplinary Research "ICRTMDR-18" on 20th-21th December 2018 at A.P.C. Mahalaxmi College for Women, Tuticorin.Sep,12,2018.

2. **DR.C.ARUNACHALAPERUMAI** - Invited as an advisory team as well as Reviewer for 5th International Conferences on science Technology Engineering and Mathematics [ICON STEM 2019] on March 30th. Sep, 12,2018.

3. **DR.G.KAVYA** - Invited as an National Advisory Committee for International Conference on Recent Trends in Multi-diciplinary Research "ICRTMDR-18" on 20th-21th December 2018 at A.P.C. Mahalaxmi College for Women, Tuticorin.Sep,10,2018.

4. **DR.G.KAVYA**- Invited as Honorable Organizing Committee Member for 6th International Conference on Recent Challenges in Engineering and Technology (ICRCET-18) on 24th – 25th November, 2018 in Nagpur at Radisson BluHotel. Sep 17,2018

5. **MR.D.BALAKUMARAN** – Invited to participate for the event "INTEL FPGA TECHNOLOGY" on Sep 21, 2018 at Sr.FAE-Intel-Programmable Solutions, Arrow Electronics India Pvt.Ltd.-Bangalore.

6. **MR.D.BALAKUMARAN** – Invited to participate for the event "CDN Live India 2018" on Sep-6-7, 2018 in Bengaluru, India.

1. **DR.B.R.TAPAS BAPU, PROFESSOR & HEAD** - Reviewer of Neural Computing and Applications for the title : An Efficient Image fusion and Compression Algorithm using Compression sensing and optimized orthogonal matching pursuit algorithm 13.11.2018.

2. **DR.B.R.TAPAS BAPU,** Professor& Head - Question paper setter for JNTU-Anantapura 12.11.2018.

3. **DR.B.R.TAPAS BAPU,PROFESSOR& HEAD** - Reviewer of Neural Computing and Applications for the title : Based on Kalman filtering robot indoor location modelling and simulation 3.11.2018.

4. DR.B.R.TAPAS BAPU,Professor& Head - Question paper setter for Sathyabama Universitty November 2018.

5. DR.B.R.TAPAS BAPU,Professor& Head - Reviewer of Neural Computing and Applications for the title :Prediction of the Compressive Strength of self-compacting Concrete using surrogate models 13.10.2018.

6. DR.G.KAVYA, Professor- Question paper setter for JNTU-Anantapura 12.11.2018.

7. DR.C.ARUNACHALAPERUMAL - Reviewer of Wireless Personal Communications for the title : A novel Nonlinear and Non-iterative Preceding Technique for single and Multi user MIMO Systems, Springer Publications on Sep 20,2018

8. DR.N.ANUSHA, Professor - Question paper setter for Raja Lakshmi Engg College (Autonomous) & JNTU-Anantapura.

9. DR.C.ARUNACHALAPERUMAL - Reviewer of Transactions on emerging Telecommunications Technologies, wiley publications on Sep 24,2018

10. MR.D.PRAKASH, Assistant Professor Participated in SiFive & open Silicon India-tech Symposium on 24.08.2018.

11. MS.H.USHA RANI, Assistant Professor attended one day workshop on Digital Signal Processing Tools and Integrated development and debugging environment on 10th November 2018 at AMS College.

12. MS.VARALAKSHMI, Assistant Professor attended one day workshop on Digital Signal Processing Tools and Integrated development and debugging environment on 10th November 2018 at AMS College.

13. MS.VANITHALAAKSHMI Associate Professor, attended workshop on signal & image processing algorithms using MATLAB for researches on 29.9.18 at Kongu Engineering College.

RESEARCH AND DEVELOPMENT

1. DR.G.KAVYA, Professor approved fund of Rs.5,00,000 from AICTE to organize Short term training program on Applied Mathematics and scientific computation for Engineering research.

2. DR. C.ARUNACHALAPERUMAL, Professor, MR.S.DHILIP KUMAR, Assistant Professor approved fund of Rs.5,00,000 from AICTE to organize Short term training program on Green communication networks.

3. DR.G.KAVYA, Professor MS.V.ARUNA, MRS.R.ASHWINI Submitted a project proposal to organize National workshop on "Recent Advancements in Artificial intelligence and machine learning techniques – A Special Focus on Oncology" to Board of

Research in Nuclear Science (BRNS) on 21.5.2018, an amount of Rs 50,000/- have been sanctioned by BRNS to Conduct the Recent Advancements in Artificial intelligence and machine learning techniques on Nov 14th& 15th, 2018.

4. MS.M.JAHNAVI has reputed as JRF for ISRO Funded project "Design of 0.18 micrometer CMOS wide band Low Noise Amplifier (LNA) foe weather Radar Applications in S-Band" under Dr.G.kavya, principal investigator.

TRAINING

1. Seven days Business English Certificate was given to ECE II year students by Strides Consultancy in August.

2. Ten days Aptitude training were given to ECE III year students by Smart Academy in August.

3. Ten days Technical training were given to ECE IV year students by Secnet Technology in August.

FACULTY PUBLICATION

1. MS.S.SUVITHA., Associate Professor, "A novel automated MOALO algorithm aided RF low-noise amplifier design for wireless applications" Concurrency and Computation practice and Experience, September 2018.

PLACEMENT AND TRAINING

TATA CONSULTANCY SERVICES

Fedrin Samuel | Fedrin Samuel | Priya.H | Priyadarshini | Ragul Kumar | Rohith | SS.Soundarya

Om Ganesh | Sainath | Sathish

Akash | Arul Raj | Athisiya Raj | Lavanya.B | Divya.R | Nirmal | John Premkumar | John Santhosam | Karthick | Prem | Priyadarshini.

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Babe Ruth

"Yesterday's home runs don't win today's games."