



SANTHIRAM ENGINEERING COLLEGE

Approved by AICTE, New Delhi: Permanently Affiliated to JNTUA, Ananthapuramu.
An ISO 9001:2015 Certified Institution, 2(f) & 12(B) recognition by UGC Act, 1956.
NH-40, Nandyal – 518501 :: Kurnool Dist. A.P.

(Offering UG - B.Tech – EEE, ME, ECE & CSE :: PG – MBA, M.TECH)

SPARKS

(Spectacular Performance And Rapid Knowledge of SREC)

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A. Priyanka(MBA), R. Rama Devi (BS)

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Message from the Desk of the CHAIRMAN



It's my immense pleasure to congratulate the efforts of entire editorial board on the occasion of the release of 15th issue of newsletter "SPARKS".

At this outset, I would like to discuss about the goal setting and motivation. Setting a perfect goal can lead you to achieve something you desire. And if you are not excited to achieve it, you can't stay motivated. To excel in your work you have to stay excited and find a way that can elicit you. **Inspiration is the first step which makes the motivation and then gives excitement.**

I hope you all would go on this and let your light glow all over the world.

Dr. M. Shanthiramudu, Chairman.

COURSES OFFERED at SREC

Branch	Intake
Electrical & Electronics Engineering (EEE)	60
Mechanical Engineering (M.E)	120
Electronics & Communication Engineering (ECE)	120
Computer Science & Engineering (CSE)	120
Master of Business Administration (MBA)	120
M.Tech (ECE)VLSI System Design	18

ACHIEVEMENTS OF SREC

1) Mr.Mummadi Naveen Kumar Reddy (15X51A0549) participated and won **GOLD MEDAL** in **THE 3rd HEROES TAEKWONDO INTERNATIONAL CHAMPIONSHIP** conducted by Bangkok Thanburi University Bangkok, Thailand on 5th August 2017



2) **Miss N.JAYA MARY (15X51D5702)** of **M.Tech (VLSI System Design)** received **Prathibha Award** from Govt of A.P, for her academic performance during 2015-2017.



3) **Mr.J.V.Raju (13X51A0245)** of **EEE**, received **PRATHIBHA AWARD** from the Govt of AP for his Excellence performance in the academics.

10th NATIONAL LEVEL STUDENTS TECHNICAL, MANAGERIAL, CULTURAL & SPORTS FEST - SIGMA-2K17

All the Departments of SREC jointly organized 10th National Level Students' Technical, Managerial, Cultural & Sports Fest **SIGMA-2K17**, during **7th and 8th of Oct, 2017**. Near about 380 students from various colleges participated in this Mega Event. The First day of SIGMA includes all the academic related activities of various Depts such as Paper Presentation, Technical Working Model Exhibition, Technical Quiz etc., for B.Tech. students and Young Manager, Business Quiz, HR & Marketing Event, Finance Event, Stock Buzz for MBA students. The 2nd day of SIGMA includes various cultural events such as dancing, fashion show, short film competition & Games such as caroms, chess etc., were conducted.

Chief Guest of this symposium is: **Dr.P.Chenna Reddy**, Director-Academic Audit, JNT University, Ananthapur.

Session chairs:-

1. Dr.P.B.Chennaiah, Dept of EEE, AITAS, Rajampeta, Kadapa.
2. Dr.P. Ramana Reddy, Dept of ECE, JNTUA, Ananthapuram.
3. Dr. Sreenivas, Dept of CSE, Pullaiah Engineering College, Kurnool.
4. Dr. G. Renuka, Dept of MBA, Rayalaseema University, Kunrool.

GLIMPSES OF SIGMA - 2K17



Releasing of SIGMA-2K17 proceedings



Chairman Addressing the gathering



Felicitation to the Chief Guest



Prize Distributions

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

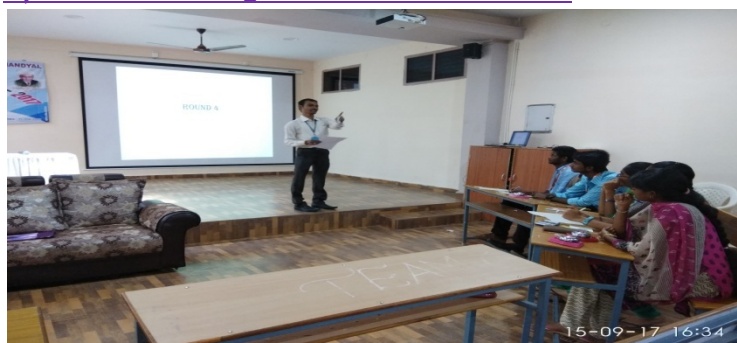
PROGRAMMES CONDUCTED BY THE DEPT:

1) A ONE DAY GUEST LECTURE:



A One day Guest Lecture on **“RECENT TRENDS & ADVANCEMENT IN POWER SYSTEM”** on **30th Aug 2017** for II, III & IV B.Tech I sem EEE Students by Dr.D.M.Vinod Kumar, Professor, Dept of EEE, NIT Warangal as a resource person.

2) TECHNICAL QUIZ COMPETITIONS:



On occasion of 105th birth anniversary of **SIR MOKSHAGUNDAM VISVESVARAYA** on 15th September 2017, the Department of EEE in association with IEEE student chapter of SREC conducted a **TECHNICAL QUIZ COMPETITION** to the both EEE and ECE students to encourage and improve their knowledge of the students in a technical way.

3) A ONE DAY SEMINAR:



A One day seminar on **“AWARENESS PROGRAM ON GATE”** on 04th Oct 2017 for II,III & IV B.Tech I

sem EEE Students by Mr.M.Y.Veeresh, Asst Prof, Dept. of EEE, SREC as a resource person of this seminar.

4) TECHNICAL IDEA PRESENTATION:



SREC IEEE Students Chapter organized a One day program on **“Technical Idea Presentation”** on 16-10-2017, on remembrance of **Dr. A.P.J. Abdul Kalam's 86th** birth anniversary.

5) ONE DAY INDUSTRIAL TOUR:



A One Day Industrial visit to **RAYALASEEMA THERMAL POWER PLANT**, Proddutur on 12-08-17 for EEE students.

FACULTY ATTENDED WORKSHOPS/FDPS:

- U.M.Sandeep Kumar, Asst Prof, attended for Two week ISTE STTP on **“Electric Power System”** at IIT Kharagpur and received **“Excellent A”** grade.
- Mr.S.Seetharamudu, Asst Prof attended Two day National Workshop on **“Smart & Green Technologies For Sustainable Energy (NWSGTSE-2K17)”** on 19th & 20th Dec 2017 at K.L.Educational Foundation, Vijayawada.

DEPARTMENT OF MECHANICAL ENGINEERING

PROGRAMMES CONDUCTED BY THE DEPT

1) TWO DAYS WORKSHOP ON AUTOCAD & CATIA:



The Department organized **Two Days Workshop on AUTOCAD and CATIA** from 11th – 12th Aug, 2017 for II&III B.Tech I-Sem students (2015 & 2016 Batch). Mr. P. Nagaraju, Assistant Professor, Dept. of Mechanical Engineering was a resource person for this program.

2) TWO DAYS WORKSHOP ON 4-WHEELER ENGINE ASSEMBLE AND DISASSEMBLING:



The Department organized **Two days Workshop on 4-wheeler Engine Assemble and Disassembling** from 26th – 27th Sep, 2017 for III B.Tech I-Sem students (2015 batch). Mr. S. Nowman, Senior Mechanic, was a resource person.

3) FOUR DAYS WORKSHOP ON CFD ANALYSIS:



The Department organized four days workshop on CFD Analysis from 12th – 15th Oct, 2017 for IV B.Tech I-Sem students (2014 batch). Mr. Smrutimayan Patnayak, Trainer, Udvavisk Technologies, Chennai was a resource person.

4) ONE DAY INDUSTRIAL VISIT:



The Department organized a One day Industrial Visit to **Nandi Group of Industries, Nandyal** for II & III B.Tech, I-sem Students (2015 & 2016 Batch) on 25/09/2017.

DEPARTMENT ACHIEVEMENT:



The Department has inaugurated student chapter **“ENGINEERS WITHOUT BORDER-INDIA (EWB-India)”** on 14.07.2017. Dr. Showkath Ali Mirza, Director of EWB-India student's chapter was Chief Guest.

ACHIEVEMENTS BY THE STUDENTS:



S. Azmathullah, (14X55A0302), has secured 92.18% marks in IV B.Tech II sem exams.

Electronics and Communication Engineering Department

PROGRAMMES CONDUCTED BY THE DEPT

1) DEPARTMENT E-CLUB:



In the memory of **Erwin Schrodinger**, Dept organised E-Club, on **12-08-2017**. In this connection few technical events are conducted to encourage and motivate the students.

2) THREE-DAY WORKSHOP:



A Three day National Level workshop on “**Analog & Mixed VLSI Design Using EDA Tools-2k17**” is conducted in association with IE & ISTE STUDENTS CHAPTER from **17th - 19th August, 2017**, Mr.S.Rambabu and Mr.S.Arif Basha were the resource persons.

3) ONE-DAY SEMINAR:



A one-day seminar on “**MIMO-OFDM**” on **26-12-2017** for IV B. Tech II-Sem students **Mr.P. Firoz Khan**, Senior Technical Specialist in Tejas Networks, Bangalore, acted the resource person.

4) INDUSTRIAL VISIT:



IV B.Tech students visited **Madras Atomic Power Station, Kalpakkam, Chennai** on **23th September 2017**. It is India's first fully indigenously constructed nuclear power station with two units each generating 220 MW of electricity. From this Industrial tour, the students learnt nuclear power production, fuel re-processing, and waste treatment facility that includes plutonium fuel fabrication for Fast Breeder Reactors (FBRs).

FACULTY ACHIEVEMENTS:

- Mrs. G. Sowmya Asst. Prof. of ECE, has passed Pre-Ph.D in K L University, Vijayawada.

FACULTY ATTENDED WORKSHOPS:

- Mr S. Abdul Malik Asst prof, attended a 5-day **Faculty Development Program(FDP)** on “**Design and Analysis of RF Antennas using HFSS Software**” from 7th to 11th Nov, 2017 at **SASI INSTITUTE OF TECHNOLOGY & ENGINEERING**, West Godavari, A.P, in Association with IETE Vijayawada chapter.
- Mr M. Mohan Reddy Asst prof, attended a one week **Faculty Development Program(FDP)** on “**Recent Trends in VLSI Applications**” from 20th - 25th Nov, 2017 at **SRKR Engineering college**, Bheemavaram, A.P.
- Mr S. Munawwar Asst prof, attended a 12 days **Faculty Development Program(FDP)** on “**Research Trends in Digital Image & Video Processing**” from 04th to 16th Dec, 2017 at **MAHATMA GANDHI INSTITUTE OF TECHNOLOGY(MGIT)**, Hyderabad.

COMPUTER SCIENCE AND ENGINEERING

NEW FACULTY:

The following members were appointed as Assistant Professors in the Department of CSE

- Mr. N.Venkatesh Naik, M.Tech, (Ph.D)
- Ms.M. Keerthi, M.Tech

PROGRAMMES CONDUCTED BY THE DEPT:

1) A TECHNICAL QUIZ COMPETITION:



The Department conducted a **Technical Quiz competition** in association with Computer Society of India on **30/08/2017**.

2) A ONE DAY SEMINAR ON "IoT":



The Department conducted a one day seminar on **Internet of Things (IoT)** on **21-09-2017**. **Mr.Jaya Prakash Arjarapu**, Principal Software Engineer, Oracle India Pvt Ltd, was the resource person.

3) A ONE DAY WORKSHOP ON "ENTREPRENEURSHIP & EMERGING TECHNOLOGIES "



The Department conducted a One Day workshop and Awareness Program on **Entrepreneurship & Emerging Technologies** on **20/10/2017** in association with Computer Society of India. **Mr.Siva Shankar** (Vice President, Student Relations IB Hubs) and his Team, acted as Resource persons.

WORKSHOPS ATTENDED BY THE FACULTY:

- Mrs. N.Rama Devi Assoc.Prof, participated in One Week Wolfram Mathematical Workshop on "Computational Mathematics in Engineering" organized by Department of Mathematics RGM CET, Nandyal from 24-10-2017 to 30-10-2017.
- Mr. J.David Sukeerthi Kumar, participated in Two Week Faculty Development Programme On "SIMULATION OF WIRELESS SENSOR NETWORKS USING NS2" 20th November to 2nd December, 2017 Organized by Department of Electronics & Communication Engineering.
- Mrs. N.Rama Devi, Assoc.Prof, participated in AICTE Sponsored One Week Hands-on Workshop on "Advances in Communication Networks using Network Simulator-NS3" organized by the Department of Electronics and Communication Engineering from 11-12-2017 to 16-12-2017.
- Mrs.V.Gowthami Asst.Prof participated in Faculty Development Program (FDP) on "Internet of Things" organized by E&ICT ACADEMY, NIT WARANGAL and JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE from 19-12-2017 to 24-12-2017.

DEPARTMENT ACHIEVEMENTS:

- CSE Department Registered with the Jawahar Knowledge Center (JKC).

FACULTY ACHIEVEMENTS:

- Mr Smd.Farooq Asst.Prof successfully completed and received Microsoft Virtual Academy online certificate on "Introduction to Data Science" in the month of August 2017.
- Mr.Smd.Farooq Asst.Prof successfully completed and received Digital Deepak online certification on "Digital Marketing" in the month of October 2017.
- The following faculty members were successfully completed and received NPTEL online certification in the month of October 2017.
 - Ms.V.Lakshmi Chaitanya, Asst.Prof received Elite certificate on "Fundamentals of Database Systems".
 - Mr.N.Venkatesh Naik Asst.Prof received Elite certificate on "Object Oriented Analysis and Design".
 - Mrs.V.Gowthami Asst.Prof received certificate on "Object Oriented Analysis and Design".
 - Ms.M.keerthi, Asst.Prof received certificate on "Object Oriented Analysis and Design".

DEPARTMENT OF MASTERS IN BUSINESS ADMINISTRATION

NEW FACULTY:

The following member appointed in the Department of MBA.

- **Ms. A. Priyanka**, Asst Prof.

PROGRAMMES CONDUCTED BY THE DEPT:

1. ONE DAY SEMINAR:



A one day workshop on the theme **“Financial Education”** has been conducted on **20th September 2017** for 2016 and 2017 Batch students. **Dr. P. Suchitra**, Asst Prof, Rayalaseema University was the resource person.

2. ONE DAY WORKSHOP:



A one day workshop for all MBA students on **“Managing change from classroom to workplace”** by **“Mrs. D.N.Poornima**, Asst General Manager & Branch Head, IDBI BANK, Nandyal on **“27th October 2017”**.

INDUSTRIAL VISITS:

1. INDUSTRIAL VISIT TO VIJAYA DIARY



The Industrial visit to **“Vijaya Milk Diary”** on **9th August 2017**, for 3rd sem students (2016-18).

2. INDUSTRIAL VISIT TO NANDI PIPES



A one day Industrial Visit was organized by the department for the 1st year students (2017-19), on **21st Oct, 2017** to **“Nandi pipes”**.

STUDENTS' IN THE TRAINING PROGRAM:



Students taking active participation in the training activities. Mr. S. Basheer Ahmed, Training Officer, encouraging the students to participate in the activities.

FACULTY ACHIEVEMENTS:

- **Mr. Rajashekar**, Asst.Prof got enrolled for PhD programme at JNTU Ananthapuram as a part time scholar.
- **Mrs. A. K. Neeraja Rani**, **HOD-MBA**, produced **100%** pass percentage in **HRM** subject of 2016 Batch MBA-II sem.
- **Ms. M. Umrez**, Asst Prof, produced **100%** pass percentage in **BRM** subject of 2016 Batch MBA-II sem.

WORKSHOP ATTENDED BY THE FACULTY:

- **Mr. Rajashekar**, attended for **Two Week FDP** on **Financial Econometrics – Theory & Applications**, organized by MITS School of Business, Sponsored by AICTE, during the dates 11th to 23rd Dec, 2017.

DEPARTMENT OF BASIC SCIENCES

PROGRAMMES CONDUCTED BY THE DEPT:

1) PERSONALITY DEVELOPMENT PROGRAMME:



The Dept organized One Day program on “Education and Human-Values” on 5/08/2017. Dr.Mohammad Miya, was Resource person.

2) TEACHERS DAY CELEBRATIONS :



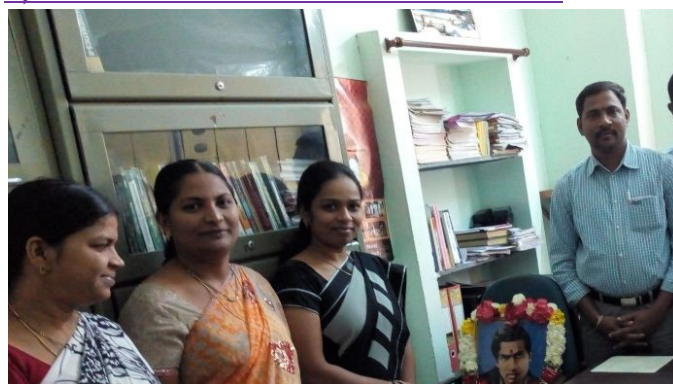
The Dept organized **Teachers' Day** on birth anniversary of Dr. Sarvepalli Radhakrishnan on 5/09/2017.

3) ONE DAY SEMINAR ON IMPORTANCE OF COMMUNICATION:



The Dept organized a one day seminar on “The Role of LSRW skills & importance of pronunciation in Communication”, by Dr.K.Nagendra, Central University, Hyd.

4) MATHEMATICS DAY CELEBRATIONS:



The Department celebrated **MATHEMATICS DAY** to commemorate the birth anniversary of Sreenivasa Ramanujan on 22-12-2017.

5) INDUSTRIAL VISIT :

The Department arranged a one day industrial visit to S.P.Y.Agro Industries, Nandyal for I B.Tech students on 8/11/2017,



WORKSHOPS ATTENDED BY THE FACULTY:

- A. Sailaja and A.G.Venkateswarlu, Asst Profs, attended a workshop on “**Teacher training programme**” organized by RGM College of engineering Nandyal, during 10th -14th of July 2017.
- Dr. P. Jagadeeswara Rao has attended a one week Faculty Development Programme titled “**Teaching and learning nano-science and technology**” held In NIT-Warangal ,during 23th – 27th of June 2017.
- The Following Faculty Members attended for one week workshop on “**Computational Mathematics in Engineering**” held in RGM CET during 24th to 25th Oct, 2017.
 - M.Prasad , Asst Prof
 - S.Nazia, Asst Prof,
 - M.Suresh Babu, Asst Prof

DETAILS OF RESEARCH PUBLICATIONS

No.of Publications done by the faculty

Dept	Journals		Conferences		Total
	National	International	N	I	
EEE	-	06	-	06	12
ME	-	05	-	07	12
ECE	01	14	-	03	18
CSE	-	02	02	06	10
MBA	-	03	-	01	04
BS	-	08	-	01	09
TOTAL	01	38	02	24	65

No.of Papers presented by the students

Department	No.of Papers
EEE	03
ME	09
ECE	15
CSE	16
TOTAL	43

STUDENTS SELECTED FOR VARIOUS SPORTS EVENTS



Student selected for Chess @ JNTUA



Student selected for Football @ JNTUA



Students selected for Cricket @ JNTUA



Students selected for Fencing @ JNTUA



Students selected for Kho-kho @ JNTUA



Students selected for Fencing for Kurnool Dist.

SREC - NSS UNIT



“BLOOD DONATION” on 25-10-2017



Awareness program on **“SBI BHIM PAY”** on 10-11-2017



Essay Writing and Elocution Competition on **“MY VISION- CORRUPTION FREE INDIA”** is held in collaboration with SBI on **25-10-2017**



Awareness Program **Corruption Free India**, on 18-11-2017
Chief Guest : **MV.Dhamodar Gupta**, Chief Manager ,SBI, Kurnool Presentations given to the winners of this program



“GANITHA ASTAVADHANAM” on 28-10-2017
TSV.Surya Narayana Murthy, Astavadhani.



NSS Program Officer **RAJASHEKAR** received Certificate of Appreciation on behalf **World blood donor day** from Kurnool dist Superintendent of Police on **14-07-2017** at Kurnool.

PLACEMENTS @ SREC



KALYANI MOTORS on 16-12-2017



VIJAYA ELECTRICALS on 28-12-2017



VESPA on 18-12-2017



OLA CABS on 29-12-2017



HGS on 27-12-2017



FIDELIS on 30-12-2017

ORIENTATION PROGRAMS

The Dept of Basic Sciences, organized **ORIENTATION PROGRAM** for the parents and students of first year Engineering on **27-07-2017**.



The Dept of MBA, organized **ORIENTATION PROGRAM** for the first year Management students on **17-08-2017**.



NEWS @ SREC