



Sri Vasavi Engineering College

Pedatadepalli, Tadepalligudem

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada
& Accredited with NAAC 'A' Grade)

Electro Nivedika

- Voice of ECE

A Quarterly Newsletter

Volume 3 Issue 2

September- November

Ac. Year 2016- 17



PROUDLY PRESENTED BY
DEPARTMENT OF ECE

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Additional Facilities Created

Isaac Asimov Space Centre (IASC):

Inaugurated by Dr. D. V. Prasad, Prof (Retd.), BITS Pilani, Dubai Campus, on 15th September, 2016, this lab was established to facilitate the students to unleash the practical aspects of system development for various commercial and industrial applications

*Students of second year are trained in the field of basic electronics and applications to do simple hobby projects

*Students of third year are trained in the field of microcontrollers and its applications thereby executing mini projects and presenting them in various intra and inter-collegiate events that allow them to explore outside world

*Students of final year are guided for developing and executing their end projects in various fields like embedded, VLSI, robotics, image, signal processing etc. Guiding students for participating in department level and college level project competitions/ exhibitions, national level competitions, challenges, hackathons etc.,

Apart from the student growth, this lab strives in making the department smart and digital with the inspiration of Digital India Scheme launched by our Hon'ble Prime Minister.

Faculty Incharges :

Sri K. S. S. Kiran, Asst. Professor, ECE

Sri P. Murali Krishna, Asst. Professor, ECE



Students gathered for opening ceremony of Isaac Asimov Space Centre



Chief Guest & Director Dr. Srihari Rao visiting Space Centre



Inside the Isaac Asimov Space Centre



A project developed by Space Centre team



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JC Bose Hall of Learning:

Apart from the regular curriculum, the department organises career oriented programs/trainings to the students to make them pioneers in diversified areas. The idea behind opening of JC Bose (Jagadish Chandra Bose) Hall of Learning is to provide right platform to the students in this direction. The undergoing programs at this hall are Technical Trainings, Gate Classes, AV Club, Guest Lectures etc.,

Inaugurated by : Dr. Srihari Rao, Director

Date of inauguration: 15-09-2016



Students gathered for Guest Lecture at JC Bose Hall of Learning



Management & Directors at the opening ceremony

Events conducted in the department

Engineer's Day Celebrations

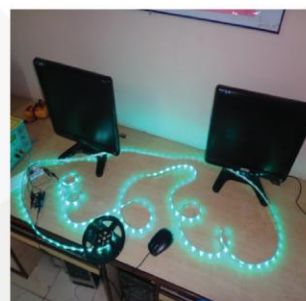
VEDA- Victorious Electronics with Dynamic Aspirants, association of ECE, had organized Engineer's Day on account of birth anniversary of his excellency Sir Mokshagundam Visveswaraya on 15th September, 2017.



Head of the Department addressing the gathering



III year student delivering a brief note on Sri Mokshagundam Visveswaraya



An exhibit at the Project Expo



An exhibit at the Project Expo



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Various competitions conducted are:

Paper Presentation Project Exhibition
Technical Quiz



Scrolling Display Project



Automatic Railway Gate Controller



Secretary & Correspondent addressing the gathering



Winners of Paper Presentation receiving prize from Secretary & Correspondent



Winners of Technical Quiz receiving prize from President



Winners of Project Exhibition receiving prize from Director

Guest Lectures

1. ECG & its Interpretation:

IETE Students' Forum (ISF) of the department organized a guest lecture on "ECG and its Interpretation" by Dr. D. V. Prasad, Prof (Retd.), BITS Pilani, Dubai Campus on 15th September, 2016. He had rich teaching experience and educated the students technological improvements in the field of medicine explained the importance of bio-medical signal interpretation



Dr. D. V. Prasad with
Dr. Srihari Rao, Director



Students gathered for Guest Lecture



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2. SAGA of Indian Space Exploration

IETE Students' Forum (ISF) of the department organized a guest lecture on "The SAGA of Indian Space Exploration" by Sri. R. Tatayya Babu, Scientist 'SG' (Retd.), ISTRAC, on 28th October, 2016. He had a rich experience in space missions & challenges faced during launch count-down periods.

He also educated our students about the India's Own Navigation System being developed by ISRO i.e., Indian Regional Navigation Satellite System (IRNSS) with an operational name NAVIC which stands for Navigation with Indian Constellation Indian government approved this project in May 2006. He also added that India depended on US for GPS during Kargil War in 1999 but in 2017, our country has developed to a stage in space technology that around 96 International customer satellites out of 104 total satellites to be carried by PSLV C-37 are from United States



Sri R. Tatayya Babu
addressing the students



Sri R. Tatayya Babu explaining
the SAGA of ISRO to students

3. Signals & Systems

IETE Students' Forum (ISF) of the department organized a guest lecture on "Signals & Systems" by Prof C. B. Rama Rao, National Institute of Warangal, on 17th September, 2016. The main motto of this was to make the students understand the role of Signals & Systems in the field of Electronics & Communication Engineering and basic concepts



Dr. J. Srihari Rao, Director
addressing the gathering



Dr. E. Kusuma Kumari, Head of ECE
addressing the gathering



Prof C. B. Rama Rao
addressing the students



Prof C. B. Rama Rao
clarifying doubts of the students



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Industrial Visit

Department had organized an Industrial Visit in the month of September (02-09-16 & 03-09-16). Coordinated by Sri M. Kishore Kumar, Assoc. Professor, a team of 124 students from final year and 5 supporting faculty visited Prasara Bharathi (High Power Transmitter) at Simhachalam and Steel Plant, Vizag.

Prasar Bharathi (AIR):

One of the largest broadcasting organisations in the world in terms of the number of languages of broadcast, the spectrum of socio-economic and cultural diversity it serves, AIR's home service comprises 420 stations today located across the country, reaching nearly 92% of the country's area and 99.19 % of the total population. AIR originates programming in 23 languages and 146 dialects.

Here in HPT station, video signals transmitted by main broadcasting station at Delhi to the communication satellite are being received by multiple parabolic reflector antennas, processed in various stages starting from a Low Noise Amplifier to a display unit where processed video signals are verified for its quality and then transmitted to the regional users.

Vizag Steel Plant:

Students visited the raw material handling section of the steel plant and gathered information like the origin of the raw material, how it was processed and the technology used in the process.



Faculty Corner

Faculty attended as Resource Persons/ Judges/ Keynote Speakers

Name	Event	Role	Date
Dr. J. Srihari Rao	FDP on "Microwave engineering and circuits" NIT-Warangal	Chief Guest of Valedictory function	23/09/2016
Dr. J. Srihari Rao	"Master the mind and be a master mind" -Two day orientation programme for youth-Tanuku	Keynote Speaker	11/09/2016



Workshops/ Seminars / FDPs attended

S. No	Name of the Faculty	Name of the Workshop	Host Institution	Date / Year
1	Dr. E. Kusuma Kumari	10 Days FDP on Microwave Engineering And Circuits	NIT, Warangal	13 th to 23 rd September, 2016
2	Sri. D. Rajesh Setty	Two Day workshop on Research Methodologies & Guidelines to paper publication	V.R. Siddhartha Engineering College, Vijayawada	23 rd & 24 th September, 2016
3	Sri. N.V. Narayana Rao	One week FDP on Advances in FR Practical Antenna Design	Lendi Institute of Engineering & Technology, Vijayanagaram	13 th to 18 th September, 2016
4	Smt. A. Nalini Kumari & Ms. B. Sravya	5 Day Workshop on Design and Simulation of Antennas & Microwave Devices using Ansys HFSS	SVECW, Bhimavaram	3 rd to 7 th October, 2016
5	Dr. A.P. Ramesh, Sri. K.N.H. Srinivas, Sri. T.D.N.S. Sarveswara Rao	One Week FDP on Internet Of Things (IoT)	Sasi Institute of Technology and Engineering, TPG	1 st to 6 th November, 2016
6	Sri. M. Kishore Kumar	One Week FDP on VLSI & Signal Processing	M.V.G.R. Engineering College, Vizianagaram	8 th to 13 th November, 2016

Faculty Publications in Journals / Conferences

S. No	Name of the Staff Member	Title of the Paper	Name of the Journal & Year of Publication	Impact Factor
1	Sri K. Rajesh	Fusion of IRIS & Finger print Bio-metric Identifier for ATM services: An Investigative Study	International Journal of Communications, Network and System Sciences, November, 2016 Vol 9, Issue 11 pg: 506- 518	1.0

Student's Corner

Co-Curriculars

Student Achievements in Workshops/Seminars/ Competitions/Challenges

S. No	Name(s) of the Participants	Register No.	Name of the Competition	Event Name and Venue	Prize Won
1	Vunnam Sowmya Kolli Harini	13A81A0461 13A81A0473	Paper Presentation		I Prize
2	G. Jyothirmayi D. V. S. N. S. Harika	14A81A0421 14A81A0412			II Prize
3	A. L. Deepthi Ch. R. Tejasri	14243-EC-002 14243-EC-011			III Prize
4	A. Sai Sindhu K. Sindhuri G. Radha Kaveri	14A81A0406 14A81A0435 14A81A0420	Project Exhibition	Engineer's Day Celebrations, SVEC 15 th September, 2016	I Prize
5	Y. Vamsi N. Tarakaramu B. V. S. Chaitanya	14A85A0409 14A85A0411 13A81A0404			II Prize
6	G. Madhuridurga B. Leela Ramani M. Neelima Keerthi	14243-EC-002 14243-EC-011 14243-EC-028			III Prize
7	P. Prasanth Sai K. Gayathri I. Anusha	13A81A04F3 13A81A04E6 13A81A0408	Quiz		I Prize
8	D. S. S. Jaya Surya R. Srija M. Lakshmi	13A81A0408 14A81A04A1 15A81A0431			II Prize
9	M. Hema Sri Jyothi K. Hari Chandana K. Subhasri	14A85A0408 14A81A0474 15A81A0484			III Prize



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Student Participations in Workshops/Seminars/Competitions/Challenges

S. No	Name of the Event	Event Venue	Date of the Event	No. of Students Participated
1	Internship Training in Telecommunications	Vizag Steel Plant	14 th to 26 th Nov, 2016	06
2	BSNL Industrial Training	BSNL, Tadepalligudem	11 th to 17 th Nov, 2016	02 (3 rd Year)
3	IoT Workshop	IIIT Hyderabad	24 th & 25 th Sep, 2016	19 (3 rd Year)
4	Tech Veda 2K16	SVEC Tadepalligudem	14 th & 15 th Sep, 2016	35 (2 nd & 3 rd Year)
5	Brain Storming on Innovation in Incubation Centres (workshop)	JNTUK, Kakinada	1 st Sep, 2016	03 (3 rd Year)
6	World Ozone Day	SVEC Tadepalligudem	16 th Sep, 2016	02 (2 nd Year)



Management and Head of ECE inaugurating the logo and banner of YUVA

YUVA Activities

As a part of this program, the students have donated an amount of Rs. 10,000 to a physically challenged person from a poor family



Team YUVA donating Money to the Paralysed person

Yuva - Society Needs You

With the motto of helping the needy, our department started the "YUVA" Program with the caption of "The Society Needs You" on the occasion of Engineer's Day in 2016-17. Under this program students are involving voluntarily and identifying the poor and needy people and helping them. In this regard the College Management have encouraged the students by extending their heartfelt support.



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