

# PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, Permanently Affiliated to JNTUK Kakinada)  
# 1-378, ADB Road, Surampalem, E.G. District, A.P.-533 437

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION



# EC-TIMES

VOLUME#9 ISSUE#2

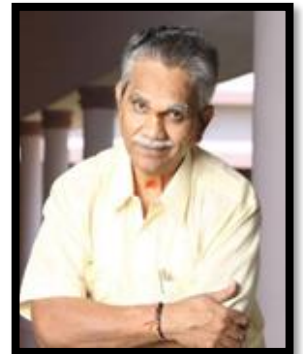


**ACADEMIC YEAR: 2016-17**

**January to June**

## FROM DIRECTOR'S DESK

It gives immense pleasure to flag-off the newsletter “EC-TIMES” of the department of Electronics and Communication Engineering, highlighting the activities of the period 2017(Jan-June). It is endeavour of the department to articulate the newsletter with various information's to acquaint its readers with the achievements of the ECE fraternity. The laudable exercise of the students and staff of this department has already brought laurels in various corners of this institution. I applaud the staff and students for this achievement and wish that everyone continue their untiring efforts not only to retain this achievement but to grow to further high standards. Also, congratulate head of the department for taking initiative in releasing the seventh newsletter.



## FROM H.O.D'S DESK

It gives very content that as a forerunner the department of Electronics & Communication Engineering is releasing its Seventh issue of “EC- TIMES” newsletter. The major strength of the department is the amalgamation of our qualified and dedicated faculty who understand the rhythm of the students for their academic excellence. Our under graduate and post graduate program students are equally showing their enthusiasm towards extracurricular and co-curricular activities contemplate them towards placement and higher education. Further, it gives satisfaction to bring out the update information about the department newsletter blended with technical and non-technical segment that is rich in contents. With this bright vigor and enthusiasm, let's us look forward for further progress of our department academic objectives set for the year 2016-17. On this occasion we invite the alumni of ECE to come forward with new conceptual ideas towards department growth. Finally, department would like to convey sincere thanks to the management for their continuous support and admiration.



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## Vision of the Department

To be an acknowledged Leader in providing quality education, training and research in area of Electronics and Communication Engineering to meet the industrial and Societal needs.

## Mission of the Department

<b>M1</b>	To facilitate students with a state-of-the-art infrastructure, learning environment and value-based education to improve technical knowledge and skills for continuous learning process.
<b>M2</b>	To impart high quality education with well qualified faculty and enable students to meet the challenges of the industry at global level
<b>M3</b>	To promote innovation and active industry institute interaction by facilitating the students to improve their leadership and entrepreneurship skills with ethical values.

## Program Educational Objectives (PEOs)

<b>PEO 1</b>	To prepare Graduates with sound foundation in fundamentals of mathematics, science and engineering to assist them exhibit strong, independent learning, analytical & problem solving skills in Electronics and Communication Engineering domain.
<b>PEO 2</b>	To facilitate learning in the core field with effective use of modern equipment and programming tools to solve real life, multi-disciplinary problems with professional, ethical attitude and also to make them aware of their social responsibilities.
<b>PEO 3</b>	To assist and enable individuals to imbibe lifelong learning in thrust areas related to research & innovation to have Progressive Careers or Entrepreneurs.

## PROGRAMME SPECIFIC OUTCOMES (PSOs)

<b>PSO-1</b>	The ability to apply concepts in electronics and communication engineering, to design and implement complex systems in the areas related to analog and digital electronics, communication, signal processing, VLSI & ES.
<b>PSO-2</b>	Ability to provide discerning solutions based on their expertise in electronics and communication courses in competitive examinations for successful employment, higher studies and research.

## PROGRAM OUTCOMES (POs)

1	<b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	<b>Problem analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	<b>Design/development of solutions:</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4	<b>Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5	<b>Modern tool usage:</b> Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6	<b>The engineer and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	<b>Communication:</b> Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11	<b>Project management and finance:</b> Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12	<b>Life-long learning:</b> Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## STAFF LIST

S.NO	NAME OF THE FACULTY	QUALIFICATION	DESIGNATION
1	Dr RAGHURAM GUDE	ME/M. Tech and PhD	Professor
2	Dr SAILAJA VEMURI	ME/M. Tech and PhD	Professor & HOD
3	Dr V PRASANTH	M.E/M.Tech	Associate Professor
4	Mrs P SUNITHA	M.E/M.Tech	Associate Professor
5	Mr G S SIVAKUMAR	M.E/M.Tech	Associate Professor
6	Mr K RAGHURAM	M.E/M.Tech	Associate Professor
7	Mr D NATARAJ	M.E/M.Tech	Associate Professor
8	Mrs B VASANTHA LAKSHMI	M.E/M.Tech	Associate Professor
9	Mr CH VENKATESWARLU	M.E/M.Tech	Assistant Professor
10	Mrs K SURYA KUMARI	M.E/M.Tech	Assistant Professor
11	Mr CH SATISH	M.E/M.Tech	Assistant Professor
12	Mrs G SRILAKSHMI	M.E/M.Tech	Assistant Professor
13	Mrs P PRASANNA KUMARI	M.E/M.Tech	Associate Professor
14	Mrs B S S VIDYA	M.E/M.Tech	Assistant Professor
15	Mr P VIJAY GOPAL	M.E/M.Tech	Assistant Professor
16	Mr T VISHNU MURTHY	M.E/M.Tech	Assistant Professor
17	Mr K ARUNVEER KUMAR	M.E/M.Tech	Assistant Professor
18	Mr B SUDHIR	M.E/M.Tech	Assistant Professor
19	Mr M RAVI KUMAR	M.E/M.Tech	Assistant Professor
20	Ms G V UJWALA	M.E/M.Tech	Assistant Professor
21	Mr K AJAY KIRITI	M.E/M.Tech	Assistant Professor
22	Mr P KRISHNA CHAITANYA	M.E/M.Tech	Assistant Professor
23	Ms K DEEPTHI	M.E/M.Tech	Assistant Professor
24	Mr K V R VARAPRASAD	M.E/M.Tech	Assistant Professor
25	Mr M SRINIVAS	M.E/M.Tech	Assistant Professor
26	Ms D V V LAKSHMI	M.E/M.Tech	Assistant Professor
27	Mr CH LAKSHMINARAYANA	M.E/M.Tech	Assistant Professor
28	Mr T MANIKUMAR	M.E/M.Tech	Assistant Professor
29	Ms U SANDHYA ALEKHYA	M.E/M.Tech	Assistant Professor
30	Mr K PASIPALANA RAO	M.E/M.Tech	Assistant Professor
31	Mrs A S AMRUTHA VARSHINI	M.E/M.Tech	Assistant Professor
32	Ms B PRAKRUTHI	M.E/M.Tech	Assistant Professor
33	Mr P SITARAMANJANEYULU	M.E/M.Tech	Assistant Professor
34	Ms K CHAITANYA SRI	M.E/M.Tech	Assistant Professor
35	Mr K SAI BALARAM	M.E/M.Tech	Assistant Professor
36	Mr K T K MOHAN	M.E/M.Tech	Assistant Professor
37	Ms D SRAVYA	M.E/M.Tech	Assistant Professor
38	Ms R PADMA	M.E/M.Tech	Assistant Professor
39	Mr K V RAJESH KUMAR	M.E/M.Tech	Assistant Professor
40	Mr T SEKHAR	M.E/M.Tech	Assistant Professor
41	Mrs P SANDHYA RANI	M.E/M.Tech	Assistant Professor
42	Mr G RATNA RAJU	M.E/M.Tech	Assistant Professor
43	Mr PENKE SRI SURESH	M.E/M.Tech	Assistant Professor
44	Ms SHEIK ASHA	M.E/M.Tech	Assistant Professor

45	Ms RUBIA TASNEEM	M.E/M.Tech	Assistant Professor
46	Mr PILLI DAYANAND	M.E/M.Tech	Assistant Professor
47	Mr V S S REDDY OGIREDDY	M.E/M.Tech	Assistant Professor
48	Mr BHUPATHI KEERTICHAND	M.E/M.Tech	Assistant Professor
49	Mr SRI SURYA APPAJI THOTA	M.E/M.Tech	Assistant Professor
50	Mr MALAPATI VIJAYA BHASKAR	M.E/M.Tech	Assistant Professor

## PLACEMENTS

S.NO	ROLL N.O	NAME OF THE STUDENT	COMPANY
1	13A31A0448	NARSIPUDI VENKATESWARA RAO	<b>INTELENET</b>
2	13A31A0477	KURELLA SATYA PRABHA	
3	13A31A0478	MADHURI GADIYAKARI	
4	13A31A0494	YALLA SUHARSHA	
5	13A31A04K5	PRIYANKA GORREMUTCHU	
6	13A31A0454	SATTIRAJU ATCHUT	<b>MAGIK MINDS</b>
7	13A31A04B6	THOTAKURA SURYA KIRAN	
8	13A31A04H7	VETURI VENKATA SATYA SAI KUMAR	
9	13A31A0458	VUTUKURU V S S S TULASINADH	<b>NALSOFT</b>
10	13A31A0491	TUMULURI HIMA BINDU	
11	13A31A04G5	MANDAPAKA SURESH KUMAR	
12	13A31A0460	YEPUGANTI SRI RAM SAI	
13	13A31A04A9	NAGULAKONDA GOURAV SRI	<b>RAJDEEP</b>
14	13A31A04L5	ANKAM SHANMUKHADURGESH	
15	13A31A04N0	PADALA NAGA SIVANNARAYANA REDDY	
16	14A35A0407	KANIGOLLA NAGA SRI CHANDU	
17	14A35A0418	KURRA SURESH	
18	14A35A0419	PALIKA KIRAN SAI	
19	13A31A04A7	MAJJI SURYANARAYANA MURTHY	<b>SOCTRONICS</b>
20	13A31A04F8	DOOLLA SRISATYAPAVAN	
21	13A31A04H9	YALLA SAI RAJA	
22	14A35A0420	PINDI SIVA	
23	13A31A0491	TUMULURI HIMA BINDU	<b>TVARANA</b>
24	13A31A04A7	MAJJI SURYANARAYANA MURTHY	

25	13A31A04F2	VENTRAPRAGADA ALEKHYA	
26	14A35A0409	PRAGALLAPATI SAIKUMAR	

## PROFESSIONAL SOCIETY ACTIVITIES

S.NO	NAME OF THE EVENT	DATE	TOPIC	RESOURCE PERSON	NO. OF STUDENTS PARTICIPATED
1.	GUEST LECTURE	11/03/2017	INTRODUCTION TO VLSI & EMBEDDED SYSTEMS	DR.N.S.MURTHY PROFESSOR OF ECE DEPARTMENT, NIT WARANGAL	180
2.	WORKSHOP	15/02/2017 & 16/02/2017	ADVANCES IN SIGNAL PROCESSING	DR. K.SATYA PRASAD, PROFESSOR OF ECE, JNTU KAKINADA	140
3.	SEMINAR	10/01/2017	ELECTROMAGNETICS AND ELECTROMAGNETIC POLLUTION	DR.G.S.N.RAJU, PROFESSOR OF ECE,ANDHRA UNIVERSITY, VISAKHAPATNAM	194



## STUDENT ACHIEVEMENTS

### PARTICIPATION IN INTER-INSTITUTE EVENTS BY STUDENTS

ACADEMIC YEAR	NO OF STUDENTS PARTICIPATED (WITH IN THE STATE)	NO OF STUDENTS PARTICIPATED (OUT OF THE STATE)	TOTAL NO OF STUDENTS PARTICIPATED	TOTAL AWARDS/PRIZES WON
2016-2017	170	29	199	47

### INTER-INSTITUTE EVENTS BY STUDENTS (OUT OF THE STATE)

#### LIST OF STUDENTS WON PRIZES (OUT OF THE STATE)

S.N O.	NAME OF THE STUDENT	NAME OF THE EVENT	NAME OF THE TOPIC	VENUE & DATE	PRIZE
1	CH.HEMANTHA KUMAR	SMART INDIA HACKATHON	MOVEMENT BASED STREET LIGHTING SYSTEM	AHMEDABAD(GUJARAT) 1 <sup>ST</sup> & 2 <sup>ND</sup> /04/ 2017	PARTICIPATED IN GRAND FINALE
2	U.V.S.D.PRASAD				
3	K.VEERAYA DORA				
4	A.SIREESHA				
5	K.BINDHU MOUNIKA				
6	K.VENKATA RAMANA				
7	G.S.B.N.S.R.SASANK	WORKSHOP	GO SOLAR WORKSHOP	UMIC ,IIT BOMBAY 03/02/17 TO 04/02/2017	1 <sup>ST</sup> PRIZE
8	K.S.S.S.SUBBAREDDY	PAPER PRESENTATION	HOLOGRAPHIC MEMORY	GITAMS UNIVERSITY, HYDERABAD 30/1/2017	2 <sup>ND</sup> PRIZE
9	M.NAVEEN				



## INTER-INSTITUTE EVENTS BY STUDENTS (WITHIN THE STATE)

## PRIZE WINNERS WITHIN THE STATE

S.N O	NAME OF THE STUDENT	NAME OF THE EVENT	NAME OF THE TOPIC	VENUE & DATE	PRIZ E
1	M.KAVYASRILAKSHMI	QUIZ COMPETITION	ADVANCED ELECTRONICS AND COMMUNICATION S	JNTU KAKINADA 18 & 19-02-2017	2 <sup>ND</sup> PRIZE
2	B.SURYA NANDU				
3	M.M.RAJU				
4	G.L.KALYANI	POSTER PRESENTATION	IOT AND SUSTAINABILITY	JNTU KAKINADA 18 & 19-02-2017	1 <sup>ST</sup> PRIZE
5	M.REENA SREE				
6	N.KAVYATEJASWI	PROJECT PRESENTATION	PASSWORD BASED DOOR LOCK SYSTEM	JNTU KAKINADA 18 & 19-02-2017	3 <sup>RD</sup> PRIZE
7	P.DHARMATEJA				
8	Y.SRIBALARAM	PROJECT PRESENTATION	MOBILEBUG	JNTU KAKINADA 18 & 19-02-2017	2 <sup>ND</sup> PRIZE
9	SK.RABBANI				
10	S.VENKATA KRISHNA				
11	M.NAVEEN	PAPER PRESENTATION	SOLAR TREE	GAYATRI VIDYA PARISHAD 23/02/2017	3 <sup>RD</sup> PRIZE
12	J.RAVI KUMAR				
13	S.VENKATA KRISHNA	CONTRAPTION S	BALL CONTRAPTIONS USING BREAD BOARD AND ELECTRIC SWITCH INCLUDING ENERGY CONVERTIONS	SRKR,BHIMAVARA M 02-01-2017	3 <sup>RD</sup> PRIZE
14	S.C.M.S .KOWNDINYA				
15	G.SUPRIYA NEEHARIKA				
16	D.SRINIVASA RAVITEJA				

## WORKSHOP ORGANIZED

ECE department Organized a Two day's workshop on **Interdisciplinary Workshop on "IoT with Home Automation and Cloud Robotics"** conducted on 27&28 Jan , 2017 innovation cell IIT , Bombay.



## OUTSTANDING ACHIEVEMENT

- ROSHNI KOTHARI (14A31A04K6), IMANDI OOHA (14A31A04D0), PASALA DHARMATEJA (14A31A04B7) of III year ECE department students are the winners of Mr & Miss TCS Campus Commune from the college at the eve of PRISM, the college annual day 2016-17.



## GATE/GRE/CAT SCORES

Name of the Student	Roll.No	Exam	Score
B.SAI RATHAN RUTHVIK	13A31A04F5	GRE	308/340

## NPTEL CERTIFICATIONS

S.NO	NO. OF STUDENTS	NO. OF FACULTY	TOTAL CERTIFICATIONS
1	88	07	95

## EVENTS

### E-JIVE 2K17

National level technical symposium “Strides-ejive-2K17” was inaugurated by the department of electronics & communication engineering on 10-01-2017 at pragati engineering college. The programme was inaugurated by the **Chief Guest Dr.S.Srinivas Kumar, Director, R&D JNTUK, Kakinada**. Dr.S.Srinivas Kumar lighted the inaugural jyothi and spoke a few words on the occasion. Dr.V.Sailaja HOD of ECE gave a warm welcome to the chief guest Dr.S.Srinivas Kumar, Dr.P.KrishnaRao, Chairman of the college, Principal, Vice President, Directors, and Head of the departments, staff, participants and students to grace the inauguration. As a part of second day of STRIDES 2K17 Activities, EJIVE2K17 was organized by the Department of Electronics and Communication Engineering.





## FAREWELL DAY CELEBRATIONS

Our III ECE students organized **Farewell day** on 05<sup>th</sup> MAY 2017, at 2pm in our college to giving warm send of their senior .The directors, principal, head of the department and other faculty members were given a very wholehearted welcome. Our college principal **Dr.S.Shambu prasad** gave his wonderful advice to their future, followed by head of department **Dr V.Sailaja**. The 3<sup>rd</sup> year students asking questions their seniors depending on their character, after that the cultural started which included some mesmerizing and excellent performances by seniors. Of all the events the video presentation which has dedicated to the seniors is the centre of attraction. The video included individual pictures of every senior student and some of their group pictures. The senior students maintained a dress code for the party. The 3<sup>rd</sup> year students given prizes to their seniors.





## **Editorial Board Committee**

### *Chief Editor*

Mr. CH. Lakshmi Narayana, Asst. Prof.

### *Members*

1.M.Surya -13A31A04A7

2.C Vineetha -13A31A0415