Learning is Supreme Deity

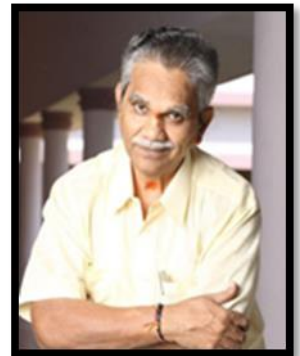# EC-TIMES
VOLUME#12   ISSUE#2

ACADEMIC YEAR: 2019-20

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 2020(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 12th issue of "**EC–TIMES**" newsletter. It is my pleasure and honour to welcome you to the Department of Electronics and Communication Engineering of Pragati Engineering College which is one of the premier institutions of learning and co-curricular activities. Department has well qualified and dedicated faculty with well-developed laboratories. We impart quality engineering education through sound theoretical knowledge, hands on laboratory as well as computational skill and exposure to recent technologies by visiting industries & expert talk. We provide opportunities for students to participate in various technical events /competitions.. The Department of Electronics and Communication Engineering bequeaths students with the capability to apply knowledge of Electronics and Communication Engineering to work efficiently in multidisciplinary teams, endow with leadership and technical expertise, and practice engineering with ethical approaches.

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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

M1	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.
M2	To impart high quality education with well qualified faculty and enable students to meet the challenges of the industry at global level
M3	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)

PEO 1	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.
PEO 2	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.
PEO 3	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)

PSO-1	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.
PSO-2	Ability to provide discerning solutions based on the their expertise in electronics and communication courses in competitive examinations for successful employment, higher studies and research.

PROGRAM OUTCOMES (POs)

1	**Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.**
2	**Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	**Design/development of solutions**: 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	**Conduct investigations of complex problems**: 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	**Modern tool usage**: 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	**The engineer and society**: 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	**Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	**Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9	**Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	**Communication**: 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	**Project management and finance**: 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	**Life-long learning**: 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

1	Dr.G.Raghuram	Professor	Ph.D
2	Dr.V.Sailaja	Professor	Ph.D
3	Dr.Sanjit Kumar Dash	Professor	Ph.D
4	Dr.B V S N M .Nagesh Deevi	Associate Professor	Ph.D
5	Mr.V.Prasanth	Associate Professor	M.Tech (Ph.D)
6	Mrs.P.Sunitha	Associate Professor	M.Tech (Ph.D)
7	Mr.G.S.Siva Kumar	Associate Professor	M.Tech
8	Mr.K.Raghuram	Associate Professor	M.Tech (Ph.D)
9	Mr.D.Nataraj	Associate Professor	M.Tech (Ph.D)
10	Mr.Ch.Venkateswarlu	Assistant Professor	M.Tech (Ph.D)
11	Mr.Ch.Satish	Assistant Professor	M.Tech
12	Mrs.G.Srilakshmi	Assistant Professor	M.Tech
13	Mrs.B.S.S.Vidya	Assistant Professor	M.Tech
14	Mr.P.VijayGopal	Assistant Professor	M.Tech
15	Mr.T.VishnuMurthy	Assistant Professor	M.Tech
16	Mr.K.Arun Veer Kumar	Assistant Professor	M.Tech
17	Mr.K.V.Rajesh Kumar	Assistant Professor	M.Tech
18	Mr.T.Sekhar	Assistant Professor	M.Tech
19	Mr.M.Ravi Kumar	Assistant Professor	M.Tech
20	Ms.RubiaTasneem	Assistant Professor	M.Tech
21	Mrs.K.Surya Kumari	Assistant Professor	M.Tech (Ph.D)
22	Mr.B.Sudhir	Assistant Professor	M.Tech (Ph.D)
23	Mr.K.AjayKiriti	Assistant Professor	M.Tech
24	Mr.P.KrishnaChaitanya	Assistant Professor	M.Tech
25	Mrs.K.Deepthi	Assistant Professor	M.Tech
26	Mr.K.V.R.Vara Prasad	Assistant Professor	M.Tech
27	Mr.M.Srinivas	Assistant Professor	M.Tech

28	Ms.D.V.V.Lakshmi	Assistant Professor	M.Tech
29	Mrs.P.PrsannaKumari	Assistant Professor	M.Tech (Ph.D)
30	Mr.Ch.LakshmiNarayana	Assistant Professor	M.Tech (Ph.D)
31	Mr.T.Mani Kumar	Assistant Professor	M.Tech
32	Mr.K.PasipalanaRao	Assistant Professor	M.Tech
33	Ms.A.S.Amrutha Varshini	Assistant Professor	M.Tech
34	Ms.M.Priyanka	Assistant Professor	M.Tech
35	Mrs.P.Ramya Krishna	Assistant Professor	M.Tech
36	Ms.Y.Anantha Satya	Assistant Professor	M.Tech
37	Mr.K.T.K.Mohan	Assistant Professor	M.Tech
38	Ms. K.Satya Devi	Assistant Professor	M.Tech
39	Ms. P.Anuradha	Assistant Professor	M.Tech
40	Mr.P.Venkatesh	Assistant Professor	M.Tech
41	Mr.S.Sreeram Karthik	Visiting Faculty	M.Tech (Ph.D)
42	Mr.S.Siva Kumar	Visiting Faculty	M.Tech
43	Mr.A.V.V.Satyanarayana	Visiting Faculty	M.Tech
44	Mr.V.V.S.R.N.Raju	Visiting Faculty	M.Tech
45	Mr.G.Ratnam Raj	Visiting Faculty	M.Tech
46	Mrs.B.Vasantha Lakshmi	Associate Professor	M.Tech (Ph.D)
47	Ms.B.Prakruthi	Assistant Professor	M.Tech
48	Mrs. G. Vinutna Ujwala	Assistant Professor	M.Tech (Ph.D)

FACULTY ACHIEVEMENTS

S.No.	Events	Internal	External	Total Attended
1	Faculty Development Programme's	44	154	196
2	Webinars/Workshop/Other Activities	22	242	260
3	Online Courses	-	550	550
4	International Journals/Conferences	-	13	13
5	Online Quiz	-	43	43
Total		**64**	**1005**	**1069**

STUDENT PLACEMENTS

S NO	ROLL. NO	NAME OF THE STUDENT	SELECTED FOR COMPANY
1	16A31A0426	SANGANI BHASKARA PADMA	
2	16A31A0463	BASINA SRI SAI AKHILANDESWARI	
3	16A31A0466	BEULA BUSHINI GURRAPU	
4	16A31A0467	CHODEY MADHUSREE	
5	16A31A0468	GUDLA BHUVANESWARI	
6	16A31A0491	AKULA DHANA SEKHAR	
7	16A31A04A7	KUPPALA SAI GANESH	
8	16A31A04B6	SAKA SHREE HARSHA	HINDUJA GLOBAL SOLUTIONS
9	16A31A04F3	CHITNEEDI V V S SUBHASH	
10	16A31A04H2	SAMPARA KRISHNA MANOJ	
11	16A31A04I1	CHADA NAGA SURYA SAI SUSWARA	
12	16A31A04I7	INDUKURI MOUNIKA	
13	16A31A04L0	ANASURI SAI SURYA KIRAN	
14	16A31A04L7	GUNAPATI VENKATA SRINIVASA REDDY	
15	16A31A04N5	VUDDAGIRI SAI RAJ SANJAY	
16	16A31B0422	VINJAMURI NEEHARIKA	

17	16A31B0423	YAKKALA DURGA BHAVYA SREE	
18	16A31B0424	YALLA SATYA SREEJA	
19	16A31B0441	LANKEY SARATH CHANDRA	
20	17A35A0402	PATNALA PRASANNA	
21	17A35A0415	BUDDANA SAI SATISH	
22	17A35A0441	JAGATA.DINESH SAI SITARAM	
23	16A31A0401	BATHINA UMA TEJASWINI	**TELEPERFORMANCE**
24	16A31A0406	GOPI TEJASWI	
25	16A31A0429	TEKUMUDI BINDU RAJYA LAKSHMI	
26	16A31A0431	VALLABHASETTI SAISREE	
27	16A31A0463	BASINA SRI SAI AKHILANDESWARI	
28	16A31A0466	BEULA BUSHINI GURRAPU	
29	16A31A04A8	KURAKULA SATHVIK RAM	
30	16A31A04D0	GUNDUPALLI MAHA LAKSHMI	
31	16A31A04H2	SAMPARA KRISHNA MANOJ	
32	16A31A04I1	CHADA NAGA SURYA SAI SUSWARA	
33	16A31A04J6	NAGABATHULA VINEELA	
34	16A31A04N0	PUSPENDRA SRINIVAS MUDDANA	
35	17A35A0415	BUDDANA SAI SATISH	
36	16A31A04G8	PUDUVEEDU SANTHOSH KUMAR	**DXC**
37	16A31A04E5	RALLAPALLI B V NAGA LAXMI VYDEHI	
38	16A31A0482	REDDIPALLI SRI SAI ANUSHA	**WIPRO**
39	16A31A0489	THOTAKURA LAKSHMI CHANDANA	
40	16A31A04E1	PALLAVI MONDRETY	
41	16A31A04E4	PRATYUSHA MUDUNURI	
42	16A31A0491	AKULA DHANA SEKHAR	**JUST DAIL**
43	16A31A04A7	KUPPALA SAI GANESH	
44	16A31A04A8	KURAKULA SATHVIK RAM	
45	16A31A04B1	PASUPULETI SAI DURGA SIVA ANIL KUMAR	
46	16A31A04L0	ANASURI SAI SURYA KIRAN	
47	16A31A04L6	GANDI KALYAN	
48	16A31A04M2	LANKA AKHIL	
49	16A31B0441	LANKEY SARATH CHANDRA	
50	16A31B0443	MANGIPUDI V S S ANIL	
51	17A35A0415	BUDDANA SAI SATISH	
52	17A35B0401	CHOKKA VENKAT LOKESH	
53	16A31B0413	MITTINTI SHIVA POOJITHA	**BYJUS**
54	16A31A04L0	ANASURI SAI SURYA KIRAN	**IVY COMPTECH**
55	16A31B0437	KADARI SATISH	

INTERNSHIP SELECTIONS

S NO	ROLL. NO	NAME OF THE STUDENT	SELECTED FOR COMPANY
1.	17A31A04F7	LAKSHMI LAVANYA	**HAMARI PAHCHAN NGO**
2	18A31A04H1	NEMANI ADARSHKUMAR	**INDIA REDEFINED**
3	18A31A0403	C SAIANUPAMA	**WORLD YOUTH COUNCIL**
4	17A31A04E3	K SARASWATHI	
5	17A31A0407	CHIRRAVURI NAGA VALLI VISALA	**UPGRAD**
6	17A31A0408	DWARA SRAVANI LAKSHMI	
7	17A31A0424	TURLAPATI SAI SYAMALA TEJASWINI	

FACULTY PUBLICATIONS/CONFERENCES

1. Dr.Subodh Panda Published a DESIGNING AND MODELING OFAPOTABLE SYSTEM FOR DETECTIONOFCOVID-19

2. Dr.Subodh Panda Published ATATHOPI INTERNATIONAL JOURNAL /ISSN NO-2320 -0693

3. Dr.Subodh Panda Published AFUZZY SYSTEM IMPLEMENTATION ON SUSTAINABLE HEAT RECOVERY IN PROCESS PLANT

4. Dr.Subodh Panda Published aOnline International Conference on "Smart Modernistic in Electronics and Communication"(ICSMEC-2020) w 29th & 30thJune, 2020

5. Dr.Subodh Panda Published Afuzzy system implementation on sustainable heat recovery ncceet,vbit ap,15/5/20

6. Dr.A.Srinivas Published A "Designing and Modeling of a Portable System for Detection of COVID-19",Journal of Advance Science Research, ISSN 2320-0693,July 2020.

7. Dr.A.Srinivas Published A "Fuzzy System Implementation on Sustainable heat Recovery in process plant",TATHOPI International Journal, ISSN 2320-0693

8. Mr.G.S.Sivakumar Published a paper in International journal of Advanced Science and Technology (scopus indexed) Vol. 29, No. 03, (2020), pp. 8922 – 8931titled as "Proximity Beacons based Intelligent Transportation System for Smart City Applications"

9. Mrs.B. Vasantha Lakshmi Published A paper, "Skin Cancer Image Segmentation Based on Symmetrical Threshold Contour Algorithm",International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-9 Issue-1, May 2020.

10. Mrs.B. Vasantha Lakshmi Published A paper, "A Qualitative Approach on De-Noising ASegmentation Algorithms for Skin Cancer Images", The International Conference on Smart Technologies in Computing,Electrical and Electronics (ICSTCEE 2020), organized by Reva University.

11. Mrs.G.V.Ujwala, Published A Journal Wallace Tree Multiplier with Koggestone Adder using 15-4 Compressor at IJAREEIE, Volume 9, Issue 5, May 2020.

12. Mr.Ch.Lakshmi Narayana Published AInternational Conference on "Intelligent Circuits and Systems" ICICS 2020-Lovely Professional University. In Analysis of IoT sensors for Monitoring the Oil Pipeline Parameters, Presented on 27/6/20

13. Mr.Ch.Lakshmi Narayana Published A IJAST/Scopus Indexed Journal at Design and Development of a System to Detect Third-party Damages of an Oil Pipeline using IoT, Published on 30/5/20

Alumni Connect

Final year ECE students attended Online Alumni Connect program on 11/6/20 with Alumni student of Pragati Engineering College **Mr B.Sitaram Narayana (2004-08)**, Software Development Manager at Seamless Distribution System, Hyderabad.
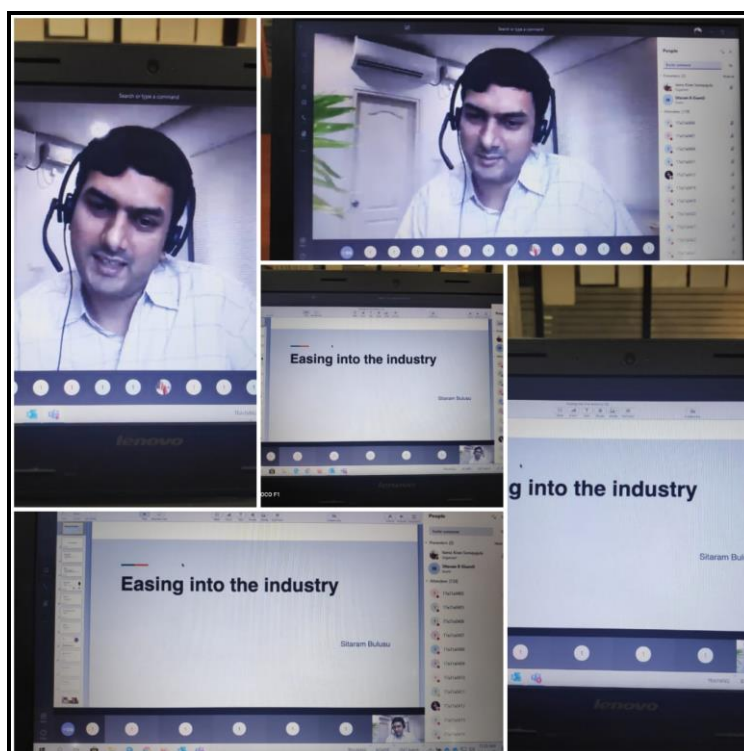
STUDENT ACHIEVEMENTS

Award Winning Events			
S.No	**Event**	**Internal**	**External**	**No. of Students Participated**
1	Paper presentation	-	41	41
2	Poster presentation	6	42	48
3	Project Expo	3	32	35
4	Quiz	12		12
5	Contraptions	8	-	8
6	Elecution	167	-	167
7	Essay Writing	236	-	236
8	Innovation Challenge contest	-	78	78
9	NPTEL Certification Course	-	322	322
10	Sports	230	-	230
11	NCC	-	26	26
12	NSS	241	-	241
	TOTAL	**903**	**541**	**1444**
	Awards won	99	87	186

Participation Events			
S.No	**Event**	**Internal**	**External**	**Total**
1	Workshop	170	-	170
2	Guest Lecture	310	-	310
3	Industrial Visit	-	-	-
4	Certification Course	-	956	956
5	Internships		4	4
	TOTAL	**480**	**960**	**1440**

FDP Organized

Six days online Faculty Development Program on "**ARDUINO based Low Cost Data Acquisition System using Scilab**" organized successfully by department of ECE, in collaboration with Spoken Tutorial, IIT Bombay with participation of different stakeholders during **COVID-19.** The FDP addresses the various aspects in Arduino and Scilab. This course was aimed for teachers who are teaching Arduino and Scilab in engineering colleges or Universities.

There are 584 numbers of registrations for this programme from different universities and colleges.

WEBINAR ORGANIZED

An online Webinar conducted on "**System On chip Architecture: An overview**" by Department of ECE Pragati Engineering college IEEE Student branch 20/6/20, Timings 10.30am to 11.30am .Total participants 143.

Resource person: Sriram Karthik Saripella, Senior Lead Engineer, QUALCOMM India Pvt Ltd
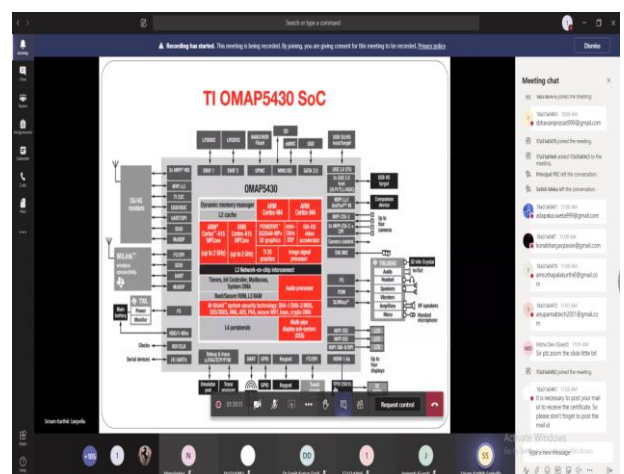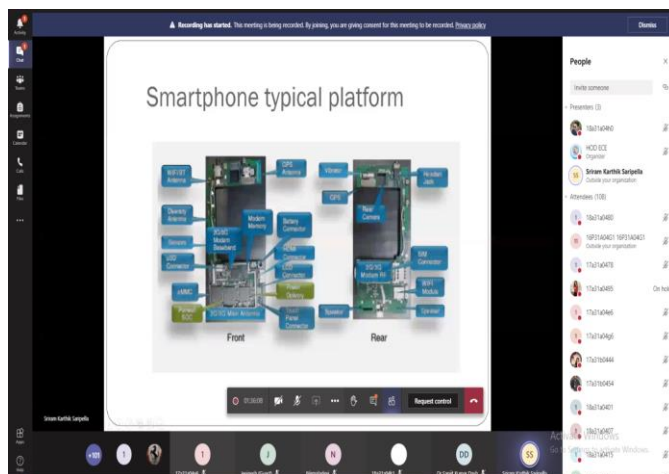
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