



# MAHATMA GANDHI INSTITUTE OF TECHNOLOGY

GANDIPET, HYDERABAD

Dept. of Electronics and Communication Engineering

## NEWS LETTER

## JULY 2019

## VOLUME 8 ISSUE 1



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## ECE BLOCK:



**Vision Statement:** The Vision of the Department is to strive towards the development and dissemination of knowledge in the areas of Electronics and Communication Engineering and empower young engineers to acquire technical excellence imbued with ethical and moral values that leads to collective global success.

**Mission Statement:** The Mission of the Department is to inspire and motivate the students to acquire knowledge to develop and serve the industry and society with great zeal. It aims to impart value based technical education of global standards and transform the students into disciplined, talented citizens of impeccable character, fused with hands on training to make them good entrepreneurs with an emphasis to develop social, cultural, ethical and environmental consciousness and life-long learning.

## EDITORIAL BOARD:

### FACULTY:

Dr. S. P. Singh

Dr. D. Venkat Reddy

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**Dr. Ch. Raja, In-Charge**

Mr. P. Vinod Reddy

Mr. D. Anji Reddy

### STUDENTS:

Mr. P. Aravind

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- I. Prepare the students to have strong foundation in Mathematical, Scientific, Engineering fundamentals and Communication skills to formulate, understand, analyze and solve the technological problems and also assimilate knowledge through life-long learning.
- II. Inculcate the managerial skills, basic concepts in Electrical Engineering and modern engineering IT tools that help the students to work in multidisciplinary environments.
- III. Impart sufficient knowledge to solve complex problems in the field of Electronics and Communication Engineering for a successful career through global education standards.
- IV. To mould the graduates for approaching the process of formulating a design solution for the given specifications with optimum performance including ethical, economic considerations and societal impacts.

## FACULTY PUBLICATIONS

1. Dr.Y. Praveen Kumar Reddy, **“A Novel binary feature descriptor to discriminate normal and abnormal chest CT images using dissimilarity measures”**, Pattern Analysis and Applications, ISSN: 1433-7541(P), volume 21, Impact Factor: 1.281, January 2019.
2. Mr. G.Ravi Kumar & Dr.D.Venkat Reddy, **“Design Of Low Power Ring Oscillator For Integrator Based Analog Filters”**, Journal of Advanced Research in Dynamical & Control Systems (JARDCS), volume 10, 13-Special Issue, 2018, February 2019.
3. Miss.A.Navaneetha, IEEE International Conference on **“Modeling of Systems Circuits and Devices (MOS-AK INDIA 2019)”** at IIT, Hyderabad from 25-27 February 2019.
4. Mr.G.Ravi Kumar has attended in IEEE International Conference on **“Modeling of Systems Circuits and Devices (MOS-AK INDIA 2019)”** at IIT, Hyderabad from 25-27 February 2019.
5. Dr. V.Saidulu, **“Design and Development of 90°Hybrid Feed Square Patch Stacked Antenna”**, International Conference on Engineering and Advancement in Technology (ICEAT-19) on 10/04/19 at Lords Institute of Engineering & Technology, Hyderabad.
6. Dr.T.D.Bhatt, **“Reduction of Sidelobes of Biphase Codes Using Transversal Filter”**, International Journal of Research (IJR) Journal, Volume VIII, Issue V, May-2019.
7. Dr.S.Srinivasa Rao, **“Design of Eight-Phase Sequences using Modified Particle Swarm Optimization for Spread Spectrum and Radar Applications”**, International Journal of Research in Electronics and Computer Engineering, Issue 2, Volume 7, April to June 2019.

## WORKSHOPS/COURSES ATTENDED BY FACULTY

S. No.	Faculty	Details of Workshops/Courses	Place	Date	Duration
1.	Miss.A.Navaneetha Asst.Professor, ECE	FDP on "Nanoscale Devices and Circuits".	Kakatiya University, Warangal.	17th to 22nd June 2019	one week
2.	Mr. A. Bala Raju, Asst.Professor, ECE	FDP on "Speech Processing".	Sphoorthy Engineering college, Saro ornagar.	17th to 22nd June 2019	one week
3.	Mr. K.Raghu, Asst.Professor, ECE	FDP on "Machine Learning Applications in Signal Processing"	NIT Warangal	4th to 9th June 2019	one week
4.	Dr.Y.Praveen Kumar Reddy, Asst.Professor, ECE	Workshop on "Pattern Recognition and Machine Learning"	C.B.I.T, Hyderabad	30th & 31st May 2019	2Days
5.	Mrs.G.Usha Rani, Asst.Professor, ECE	Workshop on "Pattern Recognition and Machine Learning"	C.B.I.T, Hyderabad	30th & 31st May 2019	2Days
6.	Mrs.Divya A Sagar, Asst.Professor, ECE	Workshop on "Pattern Recognition and Machine Learning"	C.B.I.T, Hyderabad	30th & 31st May 2019	2Days
7.	Mr. K.Raghu, Asst.Professor, ECE	FDP on "5G Wireless Communications"	NIT Warangal	29thMay to 3rd June 2019	1 week
8.	Mr. K.Bapaiah, Asst.Professor, ECE	Workshop on "Integrated IOT / Machine Learning Process Chip Design"	IIT, Hyderabad	21st to 30th May 2019	10Days
9.	Mr.B.Kesavarao Asst.Professor, ECE	Summer Faculty Research Fellow Programme -2019	IIT Delhi.	13th May to 21st June 2019	41Days
10.	Mr.M.Sanjeev Kumar,Asst.Professor, ECE	FDP on "Metaheuristic Optimization Algorithms in Engineering"	CMR college of Engineering and Technology Hyderabad.	6th to 15th May 2019	10 Days
11.	Mr.D.V.S.Nagendra Kumar, Asst.Professor, ECE	One day Seminar on "Mentor Forum for FPGA & DO254 2019 India"	Hyatt Place, Hyderabad	7th May 2019	1Day
12.	Dr.S.Praveena, Asst.Professor, ECE	Training Course on "WirelessCommunication SystemsDesign withMATLAB&USRPSoftware Defined Radios"	GNITS, Hyderabad.	2nd to 3rd April 2019	2days
13.	Mr.D.V.S.Nagendra Kumar, Asst.Professor, ECE	Training Course on "WirelessCommunication SystemsDesign withMATLAB&USRPSoftware Defined Radios"	GNITS, Hyderabad.	2nd to 3rd April 2019	2days
14.	Dr. V.Saidulu, Asst.Professor, ECE	Seminar on "Air Pollution and its Impact on Safety and Health at Work Place"	Institute of Engineering (India), Kairathabad , Hyderabad.	30th March 2019	1Day
15.	Dr.S.Praveena, Asst.Professor, ECE	Seminar on "Air Pollution and its Impact on Safety and Health at Work Place"	Institute of Engineering (India), Kairathabad , Hyderabad.	30th March 2019	1Day



## WORKSHOPS/ COURSES ATTENDED BY FACULTY CONTD...

S. No.	Faculty	Details of Workshops/Courses	Place	Date	Duration
16.	Mr.G.Ravi Kumar Asst.Professor, ECE	IEEE International Conference on Modeling of Systems Circuits and Devices (MOS-AK INDIA 2019)	IIT, Hyderabad	25th to 27th Feb 2019.	3days
17.	Mrs.G.Madhavi, Asst.Professor, ECE	FDP on "Recent Trends in Image & Video Processing"	V.R.Siddhartha Engineering College, Vijayawada	11th to 16th Feb 2019	one week
18.	Mr. K.Bapaiah, Asst.Professor, ECE	Workshop on "Smart Rice Hackathon-2019"	MGIT, Hyderabad	9h to 10th February 2019	2Days
19.	Mrs.G.Srilatha Asst.Professor, ECE	Certification on "ARM Microcontroller".	e-Learning Platform-Bharat Acharya Education	Feb-Aug 2019	6 months course
20.	Mr.D.V.S.Nagendra Kumar, Asst.Professor, ECE	Seminar on "Mentor Forum for Tanner - 2019"	Hyderabad	24th Jan 2019	one day
21.	Miss.A.Navaneetha Asst.Professor, ECE	Workshop on "Research Methodology".	Kakatiya University, Warangal.	7th to 11th jan 2019	one week
22.	Mrs.G.Madhavi, Asst.Professor, ECE	NPTEL Online Certification on "Digital Electronic Circuits "	Online course	Jan to April 2019	12 week course
23.	Mrs.B. Roopa Asst.Professor, ECE	NPTEL Online Certification on "Mathematical Methods and Techniques in Signal Processing"	Online course	Jan to April 2019	12 week course
24.	Dr. S.Praveena, Asst.Professor, ECE	NPTEL Online Certification on "Mathematical Methods and Techniques in Signal Processing"	Online course	Jan to April 2019	12 week course
25.	Dr.T.R.Vijaya Lakshmi. Asst.Professor, ECE.	NPTEL Online Certification on "Introduction to Internet of Things"	Online course	Jan to April 2019	12 week course
26.	Mrs.S.Swetha, Asst.Professor, ECE.	NPTEL Online Certification on "Principles of Signals and Systems"	Online course	Jan to April 2019	12 week course
27.	Mrs.G.Srilatha Asst.Professor, ECE	Certification on "8051 Microcontroller".	e-Learning Platform-Bharat Acharya Education	Jan to April 2019	6 months course
28.	Mrs.G.Srilatha Asst.Professor, ECE	Certification on "8056 Microcontroller".	e-Learning Platform-Bharat Acharya Education	Jan to April 2019	6 months course
29.	Miss.A.Navaneetha Asst.Professor, ECE	IEEE International Conference on Modeling of Systems Circuits and Devices (MOS-AK INDIA 2019).	IIT, Hyderabad	25th to 27th Feb 2019.	3days
30.	Mr.D.Sudhakar Asst.Professor, ECE	Certification on "ARM Microcontroller".	e-Learning Platform-Bharat Acharya Education	March-Sep 2019	6 months course

## STUDENTS ACHIEVEMENTS

### STUDENT PLACEMENTS (AY: 2018-2019)

Sl. No.	Company	Designation	Date	Pay Package(L)	No. of Placements
1.	Byju's	Business Development Associate	10/9/2017	8.1	1
2.	High Radius	Digital Marketing Associate	12/10/2017	6.5	1
3.	GGK Technologies	Trainee Software Engineer	7/27/2018	4	1
4.	Modak Analytics	Software Engineer Trainee	8/2/2018	3	4
5.	ABC forTech	Trainee Engineer	8/8/2018	4.2	6
6.	DataBeats	AdOperations Analyst Intern	8/29/2018	1.8	1
7.	TCS	Assistant System Engineer -Trainee	9/15/2018	3.37	17
8.	Cognizant	Assistant System Engineer -Trainee	9/16/2018	3.7	1
9.	Raam Group	Business Trainee/Sales Trainee/Technical Trainee	9/19/2018	1.8-3.60	4
10.	CTRLs	Graduate Trainee	9/24/2018	3.75	4
11.	HYUNDAI MOBIS	Graduate Engineering Trainee	9/26/2018	4	1
12.	ZenQ	Software Engineer	10/29/2018	3	2
13.	EdWisor	Business Developer	10/29/2018	3.5	2
14.	Industry Arc	Data Analyst	10/30/2018	2.6	2
15.	Rythmos	Junior Associate Consultant	31-10-2018	2.4 - 5.0	1
16.	Infosys	Software Engineer	12/15/2018	3.5	1
17.	Wipro	Software Engineer	12/17/2019	3.5	7
18.	Westline Shipping	Marine Engineer	1/9/2019	3.5	1
19.	MCS Solutions	Fresher/ Trainee Developer	1/10/2019	4.5	2
20.	Schneider Electric	Trainee Intern	1/28/2019	1.8	6
21.	NTT DATA	Trainee Software Engineer	31.1.2019 & 08.02.2019	3	4

## STUDENTS ACHIEVEMENTS

### STUDENT PLACEMENTS (AY: 2018-2019)

Sl. No.	Company	Designation	Date	Pay Package(L)	No. of Placements
22.	Gain Sight	Software Developer	2/2/2019	6 - 8.0	1
23.	EIDIKO SYSTEMS	Trainee Software Engineer	2/7/2019	1.5	1
24.	DYSON	Business Trainee	2/13/2019	5.07	1
25.	OPPO	Software Tester	2/13/2019	3	7
26.	Value Momentum	Software Developer	2/15/2019	3.3	1
27.	Vindhya Infotech	Software Developer	2/21/2019	1.5	6
28.	Blue Binaries	Product Developer	2/22/2019	3.2	2
29.	Cognizant	Trainee Software Engineer	2/23/2019	3.7	16
30.	Veda IIT	Digital Engineer	2/23/2019	3.5	1
31.	Man Machine Electronics	Design Engineer	2/26/2019	2.4	1
32.	Patnaik Group	Trainee Engineer	3/13/2019	3.2	1
33.	Karvy DMS	Service Engineer	3/18/2019	1.5	7
34.	Attra Infotech	Associate Engineer	3/20/2019	4.5	3
35.	SIMS Health Care	Graduate Engineering Trainee	3/22/2019	2.4	1
36.	Prime Tech	Software Engineer	3/26/2019	1.5	3
37.	Techsopy	Associate Software	3/27/2019	3 - 4.0	1
38.	Valuemomentum	Business Analyst	3/27/2019	3.3	1
39.	AbsyZ	Associate Trainee	5/15/2019	2	1
40.	TechMahindra	Inbound / Outbound Sales Agent	5/23/2019	2.4 - 4.0	1
<b>Total</b>					<b>125</b>

## SPORTS ACHIEVEMENTS

S. No.	Name of The Student	Year	Event	Prize	Date / Place
1.	Krithi C Parikh (17261A04F3)	3 <sup>rd</sup>	Volley ball	Second Prize (Runners)	MGIT, Hyderabad
2.	Krithi C Parikh (17261A04F3)	3 <sup>rd</sup>	Cricket	First Prize (winners)	MGIT, Hyderabad
3.	Krithi C Parikh (17261A04F3)	3 <sup>rd</sup>	Tennis Girls	First Prize	BITS Pilani
4	Krithi C Parikh (17261A04F3)	3 <sup>rd</sup>	TVS Womens training and Selection	Participation	Mumbai
5.	K.V.N.Phanidhar (17261A04E6)	3 <sup>rd</sup>	Running(100 m)	Second Prize	MGIT, Hyderabad
6.	K.V.N.Phanidhar (17261A04E6)	3 <sup>rd</sup>	Table Tennis	First Prize	VJIT
7.	P.Deepika (16261A0449)	4 <sup>th</sup>	Cricket	First Prize	MGIT, Hyderabad
8.	Nikhil pullela (16261A04A0)	4 <sup>th</sup>	Football	Participation	BITS Pilani
9.	B.Saidulu (16261A0463)	4 <sup>th</sup>	kabbadi	Participation	Anurag group of institution



## WORKSHOPS / TECHNICAL ACHIEVEMENTS

S.NO.	Name of the student	Details of Workshop/ event	Organization	Date/ achievement
1	S.SuhailFarhaan (18261A04B0)	Mathdox	MGIT	14/03/2019 Excelled in the event
2	P.Vaishnavi (18261A04A3)	Electro Buzz	MGIT	14/03/2019 Participation
3	P.Vaishnavi (18261A04A3)	Fast Lane	MGIT	14/03/2019 Participation
4	SucharithaNawari (18261A04B1)	Walk-in Interview	MGIT	14/03/2019 Participation
5	Sravanthi (18261A04C0)	Walk-in Interview	MGIT	14/03/2019 Participation
6	VennaAnusha Reddy (18261A04B8)	Walk-in Interview	MGIT	14/03/2019 Participation
7	Sruthimadhupati (18261A0494)	Walk-in Interview	MGIT	14/03/2019 Participation
8	Nikitha (18261A04B3)	Walk-in Interview	MGIT	14/03/2019 Participation
9	K.Vinay (18261A04E4)	Project Expo	MGIT	14/03/2019 Participation
10	Dheeraj Kumar (18261A04J0)	Chimera	MGIT	09/02/2019 Participation
11	Dheeraj Kumar (18261A04J0)	Project Expo	MGIT	14/03/2019 3 <sup>rd</sup> Prize
12	Tarun (18261A04E8)	Project Expo	MGIT	14/03/2019 3 <sup>rd</sup> Prize
13	K.s.v.s.s.n.n. Sessa Sai (18261A0 4E6)	Project Expo	MGIT	14/03/2019 Participation
14	K.s.v.s.s.n.n. Sessa Sai (18261A0 4E6)	Walk-in Interview	MGIT	14/03/2019 Participation
15	K.s.v.s.s.n.n. Sessa Sai (18261A0 4E6)	Internship on “Sociowash”	New Delhi	07/06/2019 Project completion
16	K.Mounica (18261A04E7)	Walk-in Interview	MGIT	14/03/2019 1 <sup>st</sup> Prize
17	K.Mounica (18261A04E7)	Project Expo	MGIT	14/03/2019 Participation
18	K.Manasa (18261A04F3)	Presented a paper on “Clapp Switch”	MGIT	14/03/2019 Participation
19	K.Manasa (18261A04F3)	Walk-in Interview	MGIT	14/03/2019 Participation
20	K.Manasa (18261A04F3)	Chimera	MGIT	09/02/2019 Participation
21	J.NagaRaju (17261A0417)	Internship program “ Fire Fighting Robot”	ECIT, Hyderabad	Participation 03-06-19 to 02-07-19
22	J.N.V.S.Tejaswini (17261A0418)	Internship program “Automatic Door control System”	ECIT, Hyderabad	Participation 04-06-19 to 03-07-19
23	O.Supritha (18265A0409)	Internship program “Arduino Based Vehicle Theft Detection System”	ECIT, Hyderabad	Participation 04-06-19 to 03-07-19
24	K.BhavyaSree (18265A0416)	Internship on “Gate Control System of DAM using SELEC PLC”	NSIC, Hyderabad	Participation 03-06-19 to 02-07-19

## WORKSHOPS / TECHNICAL ACHIEVEMENTS CONTD...

S.NO	Name of the student	Details of Workshop/ event	Organization	Date/ Achievement
25	Nemmikanti Pracheth (17261A0412)	Internship program	RTTC Gachibowli, Hyderabad	Participation 10-06-19 to 21-06-19
26	D.Bhavana (17261A0418)	Internship program “Automatic Door control System”	ECIT, Hyderabad	Participation 04-06-19 to 03-07-19
27	M.Pothukanisaikiran (16261A0453)	Internship on “digital marketing”	Accialert	01/07/2018 to 25/07/2018
28	P.Sai kiran (16261A0453)	Attended a workshop on “Data science using python”	MGIT	01/02/2019 to 02/02/2019
29	M.Rohithkumar (17261A0422)	Internship on “konkur missile launcher assembly process of coordinator unit”	BDL	28/05/2019 to 7/06/2019
30	M.Rohithkumar (17261A0422)	Dazzier event organizor	MGIT	Participation
31	M.Rohithkumar (17261A0422)	Volunteer for gate maestro	MGIT	Participation
32	M.Rohithkumar (17261A0422)	Voice Hunt	MGIT	26/02/2019 to 28/02/2019 participation
33	R.Pavan (16261A0454)	Intership on “study of DCS system”	BHEL	05/07/2019 To 19/07/2019
34	T.Udith (16261A0459)	Intership on”study of DCS system”	BHEL	05/07/2019 to 19/07/2019
35	B.Anil (17261A0402)	Electro Buzz	MGIT	First prize
36	B.Anil (17261A0402)	SIH-2019 Hardware edition Winner	ICAR	09/02/2019 to 10/02/2019 /First prize
37	P.Sushil Kumar (16261A0450)	SIH-2019 Hardware edition Winner	ICAR	09/02/2019 to 10/02/2019 First prize
38	K.Harshitha (16261A0428)	SIH-2019 Hardware edition Winner	ICAR	9/02/2019 to 10/02/2019 First prize
39	M.SuryaPraneeth (16261A0439)	SIH-2019 Hardware edition Winner	ICAR	09/02/2019 to 10/02/2019 First prize
40	B.Srikanth (17261A0401)	SIH -2019 Hardware edition winner	ICAR	09/02/2019 To 10/02/2019 First prize
41	K.Archana (16261A0426)	Attended a Workshop on "Data Science Using Python"	MGIT	1/02/2019 to 2/02/2019
42	A.Sasank Reddy (16261A04C4)	Paper on “Stealth Technology- Military tactic”	Osmania university	01/03/2019 to 02/03/2019
43	A.Sasank Reddy (16261A04C4)	Project expo: Home automation	MGIT	14/03/2019 /Second
44	A.Sasank Reddy (16261A04C4)	Attended a Workshop on "Data Science Using Python"	MGIT	01/02/2019 To 2/02/2019/First

## WORKSHOPS / TECHNICAL ACHIEVEMENTS CONTD...

S.NO	Name of the student	Details of Workshop/ event	Organization	Date/ Achievement
45.	Nidhi agarwal (16261A04G1)	Presented a paper on “ <b>Stealth Technology- Military tactic</b> ”	Osmania university	01/03/2019 to 02/03/2019
46.	Nidhi agarwal (16261A04G1)	Project expo: “ <b>Home automation</b> ”	MGIT	Second
47.	Y.Abhishek Gupta (16261A04H9)	Project expo Organizer	MGIT	Participation
48.	Y.Abhishek Gupta (16261A04H9)	Attended a Workshop on “ <b>Data Science Using Python</b> ”	MGIT	01/02/2019 To 2/02/2019/First
49.	G.Jayanth (16261A04D9)	Internship on “ <b>Study of PLC on CNC system</b> ”	BHEL	30/05/2019 to 13/06/2019
50.	G.Jayanth (16261A04D9)	Attended a Workshop on “ <b>Data Science Using Python</b> ”	MGIT	01/02/2019 To 2/02/2019/First
51.	G.Jayanth 16261A04D9	Attended a Workshop on “ <b>Ethical Hacking</b> ”	IIT Hyd	26/01/2019 to 27/01/2019 Participation
52.	M.Bhuvanachandrareddy (16261A0443)	Internship on “ <b>Study of DCS system</b> ”	BHEL	15/07/2019 To 19/07/2019
53.	I.Anmisha (16261A0424)	Internship on “ <b>study of DCS system</b> ”	BHEL	5/07/2019 to 19/07/2019
54.	D.Saikerthan Reddy (16261A0455)	Internship on “ <b>Study of DCS system</b> ”	BHEL	5/07/2019 to 19/07/2019
55.	D.Saikerthan Reddy (16261A0455)	Attended Workshop on “ <b>Robotics Using Arduino</b> ”	MGIT	23/02/2019 to 24/02/2019 Participation
56.	R.Pavan (16261A0454)	Attended a Work shop on “ <b>Data science using python</b> ”	MGIT	01/02/2019 & 02/02/2019 Participation
57.	Holigi Vishal (16261A04E3)	Attended a Work shop on “ <b>Data science using python</b> ”	MGIT	01/02/2019 & 02/02/2019 Participation
58.	S.Vivek (16261A04H2)	Attended a Work shop on “ <b>Data science using python</b> ”	MGIT	01/02/2019 & 02/02/2019 Participation
59.	B.Srikanth (17261A0401)	Electric buzz Organizer	MGIT	Participation
60.	E. Pranaykumar reddy (16261A04D4)	Internship on “ <b>Unmanned petrol bunk system</b> ”	NSIC,Hyderabad	03/06/2019 to 02/07/2019 Participation
61.	Malvath Kumar (17261A0427)	Presented a paper on “ <b>water solution for smart governance</b> ”	The institution of engineer, Hyderabad	04/07/2019 Participation
62.	L.Sai Krishna (16261A04F1)	Internship on “ <b>study of PLC on CNC system</b> ”	BHEL	30/05/2019 To 13/06/2019, Participation
63.	L.Sai Krishna (16261A04F1)	POST Grad event organizer	MGIT	Participation

## WORKSHOPS / TECHNICAL ACHIEVEMENTS CONTD....

S.NO	Name of the student	Details of Workshop/ event	Organization	Date/ Achievement
64.	R.PP.Chaithnyakumar (16261A04G3)	Internship on “ <b>study of PLC on CNC system</b> ”	BHEL	30/05/2019 To 13/06/2019 Participation
65.	B.Navya (16261A0401)	Internship	BSNL	03/06/2019 TO 15/06/2019 Participation
66.	L.Sai Krishna (16261A04F1)	Attended a Workshop on " <b>Ethical Hacking</b> "	IIT Hyd	26/01/2019 & 27/01/2019 Participation
67.	V.Durgaprasad (17261A0412)	SIH -2019 Hardware edition winner	ICAR	09/02/2019 To 10/02/2019/ First
68.	K.Harshitha (16261A0428)	paper Presentation	MGIT	Participation
69.	G.Sangeeth (16261A0414)	paper Presentation	MGIT	Participation
70.	M.Nagamouli (16261A0441)	Attended work shop on “ <b>Artificial intelligence</b> ”	NIT, Warangal	15/09/2019 to 16/09/2019
71.	S.Charan (16261A0456)	Attended work shop on “ <b>Advanced level of Artificial intelligence</b> ”	NIT, Warangal	17/03/2019
72.	S.Charan (16261A0456)	Attended work shop on “ <b>Artificial intelligence</b> ”	NIT, Warangal	15/09/2019 to 16/09/2019
73.	K.Abhishek (16261A0426)	Internship on “ <b>Automatic water level maintainer using soar sensor</b> ”	BDL	21/06/2019 to 20/07/2019
74.	P.Deepika (16261A0449)	N.S.S Volunteer	MGIT	17/05/2019
75.	M.Harini (16261A0437)	N.S.S Volunteer	MGIT	17/05/2019
76.	M.Harini (16261A0437)	Attended a Work shop on “ <b>Design &amp; implementation of an smart home appliances</b> ”	VLSI	31/05/2019 to 29/06/2019
77.	D.Venkateshwari (17261A0404)	Internship	Ordance Factory Medak	26/06/2019 to 10/07/2019
78.	D.Venkateshwari (17261A0404)	N.S.S VOLUNTEER	MGIT	17/05/2019
79.	D.Venkateshwari (17261A0404)	SIH-2019 Hardware edition Winner	ICAR	9/02/2019 to 10/02/2019 /First
80.	M.Venkat (16261A0493)	ElectroBuzz Organizer	MGIT	Participation
81.	P.Ritika (17261A0421)	Dazzler Organizer	MGIT	Participation

**WORKSHOPS / TECHNICAL ACHIEVEMENTS CONTD...**

<b>S.NO</b>	<b>Name of the student</b>	<b>Details of Workshop/ event</b>	<b>Organization</b>	<b>Date/ Achievement</b>
82.	P.Ritika (17261A0421)	Internship on “ <b>command line interface for ARM processor based embedded systems</b> ”	DRDO	10/07/2019
83.	C.Niharika (16261A0478)	Dazzler Organizer	MGIT	14/03/2019 Participation
84.	C.Niharika (16261A0478)	Paper presentation	MGIT	14/03/2019 6Participation
85.	C.Niharika (16261A0478)	Electro Buzz Organizer	MGIT	Participation
86.	R.Mahidhar (16261A04G6)	Attended a Work shop on “ <b>Data science using python</b> ”	MGIT	01/02/2019 & 02/02/2019 Participation
87.	G.Rohith (16261A0421)	Internship on “ <b>Study of vibration monitoring system</b> ”	BHEL	03/06/2019 & 17/06/2019 Participation

## ALUMNI ACHIEVEMENTS

### Higher Studies:

S.No.	Roll Number	Student Name	Higher Studies	University/Institution &Place
1	15261A0426	L S V S SUMANTH	MS	UNIVERSITY OF WINDSOR, CANADA
2	15261A0429	MEGHANA REDDY VANGALA	MS	UNIVERSITY OF CENTRAL FLORIDA, USA
3	15261A0438	PRIYANKA S	MBA	GRENOBLE IAE, FRANCE
4	15261A0468	B DIVYA	MBA	SYMBIOSIS INTENATIONAL DEEMED UNIVERSITY, PUNE, INDIA
5	15261A0490	L VENUGOPAL RAO	MSIT	IIIT ,HYDERABAD, INDIA
6	15261A0497	N SAISAKETH	MSIT	IIIT, HYDERABAD, INDIA
7	15261A04E1	JEEVITH REDDY K	MS	TEXAS A& M UNIVERSITY KINGSVILLE, USA
8	15261A04E3	K ANIL KUMAR	MS	CLEVELAND STATE UNIVERSITY, OHIO, USA
9	15261A04G0	RUTHVIK	MBA	GITAM UNIVERSITY, HYDERABAD, INDIA
10	15261A04G1	N ALEKHYA	MS	LaTROBE UNIVERSITY, AUSTRALIA
11	15261A04G5	P VAIBHAV	M.Tech	VJIT, HYDERABAD, INDIA
12	15261A04H0	SAI SHIVA KUMAR M	MS	UNIVERSITY OF HOUSTON, USA
13	15261A04H2	T.CHAKRAVARTHI REDDY	MS	UNIVERSITY OF NORTH FLORIDA,USA

## INVITED LECTURES DELIVERED

1. **Dr.T.R.Vijaya Lakshmi**, Asst. Professor, delivered invited lecture as a Resource person for the Faculty Awareness Program on “**Contemporary Research and IPR**” organized by JNTUH on 31<sup>st</sup> January 2019.
2. **Mr.D.V.S.Nagendra Kumar**, Asst. Professor, delivered a Guest lecture on “**Digital Image Processing**” on 29 March 2019 at SCIENT Institute of technology, R.R District, Telangana.
3. **Dr. T.D.Bhatt**, Professor, delivered a guest lecture on “**Electromagnetic Waves and Transmission Lines**” on 02 April 2019 at Guru Nanak Institutions Technical Campus, Hyderabad.



## EVENTS ORGNAZIED BY THE DEPARTMENT

1. The ECE department had conducted Two day workshop on “Data Science using Python” on 1<sup>st</sup> & 2<sup>nd</sup> February 2019. Total 107 participants attended.
2. The ECE department had conducted One day Technical Fest “MICROCOSM’19 on 14<sup>th</sup> March 2019. Total 10 events are conducted. The details are given in the below table.

S.No	Event Name	No. of Registrations
1	Strong Zone	170
2	Circuit Race	63
3	Electro Buzz	79 ( team of 2)
4	Walk in Interview	83
5	Dazzler	154( team of 2)
6	PPT	60 ( team of2)
7	Mathdox	44
8	Post Grad	73
9	Fast Lane	96(team of 2)
10	Project Expo	30 ( team of 3)

### Co-Curricular Activities –II Year ECE

S.No.	Date	Event Name	No. of Students participated
1.	12/01/19	Electronic Spell be	22
2.	19/01/19	Technical Quiz	26
3.	09/02/19	Aptitude Test	20
4.	23/02/19	Recent trends in I.T sector and Quantitative test	32
5.	30/03/19	Formal Letter Writing	25

### Co-Curricular Activities –III Year ECE

S.No.	Date	Session Name	No. of Students participated
1	02/01/19	Image and Speech Processing	119
		Internet of Things	
		GATE Classes	
		‘C’ Language	
2	09/01/19	Online Aptitude Test	150
3	23/01/19	Image and Speech Processing	78
		Internet of Things	
		GATE Classes	
		‘C’ Language	
4	06/02/19	Image and Speech Processing	33
		Internet of Things	
		GATE Classes	
		‘C’ Language	
5	27/02/19	Image and Speech Processing	30
		Internet of Things	
		GATE Classes	
		‘C’ Language	

## **FORTHCOMING EVENTS**

### **III Year ECE:**

<b>S.No</b>	<b>Date</b>	<b>Activity</b>
1	19/07/19	Introduction
2	26/07/19	Role Play
3	02/08/19	Group Discussion
4	09/08/19	Test in Paragraph Reading
5	16/08/19	Test in Writing letters
6	23/08/19	Aptitude test
7	30/08/19	Test in C Programming
8	06/09/19	Test in Technical Subjects
9	20/09/19	Mock interview
10	27/09/19	Test in General Awareness
11	04/10/19	Test in execution of Projects
12	18/10/19	Puzzle solving
13	25/10/19	Problem solving
14	01/11/19	Critical Thinking
15	08/11/19	GATE TEST

### **II Year ECE:**

<b>S.No.</b>	<b>Date</b>	<b>Activity</b>
1	17/07/19	Introduction
2	24/07/19	Role Play
3	31/08/19	Group Discussion
4	07/08/19	Test in Paragraph Reading
5	14/08/19	Test in Writing letters
6	21/08/19	Aptitude test
7	28/08/19	Test in C Programming
8	04/09/19	Test in Technical Subjects
9	11/09/19	Mock interview
10	18/09/19	Test in General Awareness
11	25/09/19	Test in execution of Projects
12	02/10/19	Paper Presentation
13	16/10/19	Project Presentation
14	23/10/19	Aptitude Test
15	30/10/19	Gate Test
16	06/11/19	Puzzle Solving
17	13/11/19	Mock Interview

## PHOTOGRAPHS



Students demonstrating their project during MICROCOSM-2019 held on 09.03.2019



Students demonstrating their project during MICROCOSM-2019 held on 09.03.2019



## PHOTOGRAPHS CONTD...



**Group photo of participants along with faculty during MICROCOSM-2019**



**4-ECE-I STUDENTS ALONG WITH PRINCIPAL AND STAFF OF ECE DEPARTMENT**

## PHOTOGRAPHS CONTD...



**4-ECE-II STUDENTS ALONG WITH PRINCIPAL AND STAFF OF ECE DEPARTMENT**



**4-ECE-III STUDENTS ALONG WITH PRINCIPAL AND STAFF OF ECE DEPARTMENT**



## PHOTOGRAPHS CONTD...



Students participating two day workshop on “Data Science using Python” during 1<sup>st</sup> - 2<sup>nd</sup> February 2019



Principal, Director, HoD & Convenor presenting prizes to winners during **MICROCOSM-2019** held on 09.03.2019



## PROGRAMME 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 modeling 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.

### **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

13. Able to work in multidisciplinary project areas.
14. Able to design and carry out the experimental work, revise knowledge to meet the future industrial challenges.