

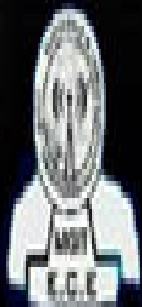


MAHATMA GANDHI INSTITUTE OF TECHNOLOGY
GANDIPET, HYDERRABAD.

ECE

NEWS LETTER

JANUARY-2017
VOLUME-5, ISSUE-2



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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

Dr. T. D. Bhatt

Dr. Ch. Raja, In-Charge

Ms. A. Navaneeta

Mrs. P. Usha Rani

STUDENTS:

Mr. Sai Sujith Seelam

Ms. M. N. V. Sai Prasanna

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. E.N.V. Purna Chandra Rao and **Dr S.P Singh**, “**One Eighty Phase Code Design with Good Discrimination Factor**” Proceeding of International Conference on Innovations in Electronics and Communication Engineering (ICIECE-16), 8-9 July 2016, Hyderabad, India, pp-11.
2. M.Viswaja, Deepti Agrawal, Dr A K Singh and **Dr S P Singh**, “**Modelling and simulation of Radar architecture in simulink**”, National Conference on Advanced Signal processing, Embedded and Communication Systems (ASPECS-2016), 11-12 August 2016 jointly organized by CBIT and Research Centre Imarat, DRDO, Hyderabad.
3. E.N.V Purna Chandra Rao and **Dr S.P Singh**, “**One Eighty Phase Code Design with Good Discrimination Factor**”, National Conference on Advanced Signal processing, Embedded and Communication Systems (ASPECS-2016), 11-12 August 2016 jointly organized by CBIT and Research Centre Imarat, DRDO, Hyderabad.
4. **Dr. S. P. Singh**, P. Usha Rani and Dr.T.D.Bhatt, “**Thirty six Phase Code Design**”, National Conference on Advanced Signal processing, Embedded and Communication Systems (ASPECS-2016), 11-12 August 2016 jointly organized by CBIT and Research Centre Imarat, DRDO, Hyderabad.
5. Dr. S. Praveena and **Dr S P Singh**, “**Clustering and Classification of Images Using ABC-KFCM and Neural Network Classifier**” International Conference on Communication, Signal Processing, Computing and information Technology (ICCSPTIT-16) 2016, Mall Reddy College of Engineering & Technology, Hyderabad, ISBN 978-93-83038 48 9, Dec16-17, 2016, pp 44-48.
6. **Dr. Ch. Raja**, “**Design of passive phase shifter for beam steering applications**”, International Conference on Mathematical Sciences & Engineering Applications (ICMSEA), at BITS, Vizag, during 23-25th December 2016
7. **T.R.Vijaya Lakshmi**, Panyam Narahari Sastry and T. V. Rajinikanth, “**A novel 3D approach to recognize Telugu palm leaf text**”, International journal on Engineering Science and Technology, Published by Elsevier, <http://dx.doi.org/10.1016/j.jestch.2016.06.006> (Article in press).
8. Panyam Narahari Sastry, **T. R. Vijaya Lakshmi**, Rama Krishnan and Koteswara Rao N.V, “**Modeling of palm leaf character recognition system using transform based techniques**”, **Pattern Recognition Letters**, published by Elsevier, Vol.84, 2016, pp. 29-34.
9. **T.R.Vijaya Lakshmi**, Panyam NarahariSastry and T.V.Rajinikanth, “**Feature Optimization to recognize Telugu handwritten characters by implementing DE and PSO techniques**”, International Conference on Frontiers in Intelligent Computing Theory and Applications, KIIT University, Bhubaneswar, ISBN 978-981-10-3155-7, Sept. 16-17, Springer, 2016.

Faculty Publications Contd.,

10. Panyam Narahari Sastry, **T.R.Vijaya Lakshmi**, Koteswara Rao N.V, and Rama Krishnan “**A 3D approach for Palm leaf character recognition using Histogram computation and Distance profile features**”, International Conference on Frontiers in Intelligent Computing Theory and Applications, KIIT University, Bhubaneswar, ISBN 978-981-10-3155-7, Sept. 16-17, Springer, 2016.
11. **Dr. S. Praveena** and Dr S P Singh, “**Clustering and Classification of Images Using ABC-KFCM and Neural Network Classifier**” International Conference on Communication, Signal Processing, Computing and information Technology (ICCSPCIT-16) 2016, Mall Reddy College of Engineering & Technology, Hyderabad, ISBN 978-93-83038 48 9, Dec16-17, 2016, pp 44-48.
12. **P. Nalini**, “**Experimental Analysis of Medical Image Classification and Retrieval Techniques**” International Conference on Communication, Signal Processing, Computing and information Technology (ICCSPCIT-16) 2016, Mall Reddy College of Engineering & Technology, Hyderabad, ISBN 978-93-83038 48 9, Dec16-17, 2016, pp 95-103.
13. Dr.S.P.Singh, **P.Usha Rani** and Dr.T.D.Bhatt, “**Thirty six Phase Code Design**”,National Conference on Advanced Signal processing, Embedded and Communication Systems (ASPECS-2016), 11-12 August 2016 jointly organized by CBIT and Research Centre Imarat, DRDO, Hyderabad.

Workshops/Courses Attended By Faculty:

S.No.	Name Of The Faculty	Name Of The Course	Place	Dates	Duration
1	Dr.S.P.Singh	Key sight Workshop in Agilent measurement instrumentation	Hyderabad	09/08/16	One day
2	Dr.S.P.Singh	Seminar on National Instruments labview	Hyderabad	22/11/16	One day
3	Dr. D. Venkat Reddy	Key sight Workshop in Agilent measurement instrumentation	Hyderabad	09/08/16	One day
4	Dr. D. Venkat Reddy	Seminar on National Instruments labview	Hyderabad	22/11/16	One day
5	Dr. Ch. Raja	National level FDP on Internet of things with Raspbberry pi and Network Simulator	MGIT Hyderabad	17/10/16 to 21/10/16	One Week
6	Dr. V. Saidulu	National level FDP on Internet of things with Raspbberry pi and Network Simulator	MGIT Hyderabad	17/10/16 to 21/10/16	One Week
7	Dr.V.Saidulu	Seminar on "Public Participation in promoting Integrity and Eradicating Corruption"	JNTUH Hyderabad	05/11/16	One day
8	Mr. K. Raghu	FDP on "Signal Processing Techniques"	MVSR Engg College, Hyderabad	15/11/16 to 19/11/16	One Week
9	Mr.D.V.S.N. Kumar	Key sight Workshop in Agilent measurement instrumentation	Hyderabad	09/08/16	One day
10	Mr. K. Raghu	Key sight Workshop in Agilent measurement instrumentation	Hyderabad	09/08/16	One day
11	Mr.D.V.S.N. Kumar	Research trends in VISI & Embedded System	JNTUH, Hyderabad	05/11/16	One day
12	Mr. Sanjeev Kumar	Research trends in VISI & Embedded System	JNTUH, Hyderabad	05/11/16	One day
13	Mr. Veerabhadra Rao	"Communication intelligence(COMNIT) Systems"	CBIT, Hyderabad	25/10/16 to 26/10/16	Two days
14	Mrs.T.R.Vijayalakshmi	RC on Data mining Techniques	JNTUH, Hyderabad	17/10/16 to 05/11/16	Three weeks
15	Mr.Sanjeev kumar	National level FDP on Internet of things with Raspbberry pi and Network Simulator	MGIT Hyderabad	17/10/16 to 21/10/16	One Week
16	Mr. Rajeev Gandhi	National level FDP on Internet of things with Raspbberry pi and Network Simulator	MGIT, Hyderabad	17/10/16 to 21/10/16	One Week
17	Mr. Veerabhadra Rao	Workshop on "Practical RF antenna Design"	Electronics & ICT academy, NIT, Warangal	08/08/16 to 13/08/16	One Week
18	Ms. Archana Yadav	Workshop on "Practical RF antenna Design"	Electronics & ICT academy, NIT, Warangal	08/08/16 to 13/08/16	One Week

Student's Achievements :

STUDENT PLACEMENTS (AY: 2016 – Till Date):

Sl. No.	Company	Designation	Date	Pay Package (Lakhs)	No. of Placements
1.	Tech Mahindra	Software Developer	19-09-2016	3.25	37
2.	NTT Data	Graduate Trainee	20-09-2016	3.00	6
3.	CDK Global	Member Technical	27-09-2016	4.50	1
4.	BLACK KNIGHT FINANCIAL SERVICES	Graduate Trainee	28-09-2016	2.40	2
5.	AMAZON	CA/CS/SS/TRMS	04-10-2016	2.75	11
6.	TCS	Asst. System Engineer	26-10-2016	3.30	8
7.	HAPP	Trainee Developer	27-10-2016	2.40	4
8.	Modak Analytics	Trainee Developer	01-11-2016	3.25	2
9.	RamTech Corp	Trainee Engineer	08-11-2016	2.80	1
10.	CtrlS	Trainee	08-11-2016	3.30	1
11.	ADP	Software Engineer	15-12-2016	4.04	1
12.	EDIKO	Trainee Engineer	16-12-2016	1.50	3
TOTAL					77

ACADEMIC ACHIEVEMENTS:

Name of the Student	GRE (340)	TOEFL	GATE Rank	CAT (Percentile)	Any Other(IELTS)
N.Prahlad (11261A0439)	301				6.5
M.Srinivas (11261A0429)	305				6.5
P.Sachin Kumar (12261A0442)	283				6
B.Anvesh (12261A0407)	317				8
D.Vidya (12261A04100)	305				6.5
ShabnamBhanu (08261A0449)	293				6.5
P.V.Ravi Kiran (12261A04G8)	292				6
Y.Chandrakanth (12261A0460)	304	79			
D.Karishma (12261A0408)	303				6.5
T.Praveena (12261A0430)	300				6.5
A.Rahul Kumar (12261A0461)	295				6
G.Nikhitha (12261A0471)	290				6.5
K.Naveen (12261A04E8)	295				5.5
D.sai Guru Karthik (12261A04D2)	302				6.5
G.Apoorva Reddy (12261A04E1)	302				
Praneeth Kumar (1161A0415)	295				6
P. Pooja (12261A04G2)	300				7.5
Akash Reddy (12261A04E9)	306				7.5
Suresh (09261A04B4)	301				6.5
Sukesh Reddy (12261A04F0)	298				8
E.Swathi (10261A0478)	305	99			
Ch.Sai Mohan Reddy (12261A04H1)	297				6.5

ACADEMIC ACHIEVEMENTS Contd.,

Name of the Student	GRE (340)	TOEFL	GATE Rank	CAT (Percentile)	Any Other(IELTS)
K.Rishitha (12261A04A4)	286				6.5
S.Niharika (12261A04A6)	287				6
M.Rohith (12261A0431)	295				6
G.Saivardhanreddy (12261A0417)	298				7
D.Manoj Reddy (12261A04D3)	292				
G.Soundarya Reddy (10261A0418)	301				
T.Rishita Reddy (10261A0455)	305				

ACADEMIC ACHIEVEMENTS FOR CLASS OF 2017:

Name of the Student	GRE (340)	TOEFL	GATE Rank	CAT (Percentile)	Any Other(IELTS)
G.S.V.Ramana (13261A0414)	315				
K.SaiPreetham Goud (132361A0422)	300				6.5
M. Shubham (13261A0432)					6.5
N.SaiShashidhar (13261A0438)	317	110			
D. Thushara (13261A0412)	313				
G.Jayanth Reddy (13261A0413)	303				
P. Sai Vaishnavi (13261A04G5)	305				7.0
T. Manish (13261A04F5)	312	97			
V. Preethi (13261A04H3)	308				7.5
A. Abhijeet(13261A0463)	299				
Ch. Siri(13261A0467)	295				6.5
T. Ravi(13261A04B2)	285				6.5

SPORTS ACHIEVEMENTS:

S. No.	Name of The Student	Year	Event	Prize	Date / Place
1.	V.Vaishnavi (15261A04H5)	2 nd	Perini Natyam	Registered in Genies Telugu World Records	16-07-2016/ RavindraBharathi Hyderabad
2.	V.Vaishnavi (15261A04H5)	2 nd	Perini Natyam	Meritorious performance	16-07-2016/ Lions Club of Hyderabad Kothapet Hyderabad
3.	Ms. A. Sushma (14261A0462)	3 rd	Mohiniyattam, the largest dance program	Registered in Genies Telugu World Records	16-07-2016/ RavindraBharathi Hyderabad
4.	Ms. A. Sushma (14261A0462)	3 rd	Mohiniyattam,	Meritorious Performance	16-07-2016/ Lions Club of Hyderabad Kothapet Hyderabad
5.	Ms. A. Sushma (14261A0462)	3 rd	World Cultural Fest	Participated	Delhi
6.	Ms.P.Meghana (13261A04G3)	4 th	Republic Day parade	Best Cadet of AP &T (2016)	26 th Jan 2106/ Delhi
7.	Ms.P.Meghana (13261A04G3)	4 th	National Cadet Corps Youth Exchange Programme	Participated	17-26 November 2106/Singapore
8.	Ms.P.Meghana (13261A04G3)	4 th	Certificate B examination Girls Bn NCC	Grade - A	30 June 2106 /Ministry of Defence,GOI

GUEST LECTURES:

S. No.	Topic	Name of the Expert / Company	Date
1.	"How to prepare for placements"	Mr.S. Krithivasan M/s Virtusa Polaris	26 August 2016
2.	"Motivational session"	M/s Teach For India	07 Sept 2016
3.	"Electronic Warfare and its impact on life"	Mr. Anupam Sharma, Scientist-G, DLRL, Hyderabad	09 Sept 2016
4.	"Motivational & HRD Session"	Mr. K. S.K. Jayadeva Rao	16 Sept 2016
5.	"Pre Placement Talk"	M/s Tech Mahindra	19 Sept 2016
6.	"Pre Placement Talk"	M/s Securifi Embedded Systems	21 Sept 2016

Workshops/Technical Achievements:

S.NO.	NAME OF THE STUDENT	WORKSHOP/ EVENTNAME/TITLE	ORGANIZATION	DATE/ACHIEVEMENT
1.	Ms. A.Sushma (14261A0462)	ISTE TS & AP Students Convention	MGIT Hyderabad	27-28 October 2016/ Coordinator
2.	Ms. A.Sushma (14261A0462)	Workshop on “Sustainability”	Deloitte & Indian School of Business, Hyderabad	23 October 2016/Participated
3.	Ms. A.Sushma (14261A0462)	Workshop on “Innovation”	UBER& Indian School of Business, Hyderabad	23 October 2016/Participated
4.	Ms. A.Sushma (14261A0462)	Workshop on “Life lessons of business”	Coca-Cola & Indian School of Business, Hyderabad	23 October 2016/Participated
6.	Ms. A.Sushma (14261A0462)	ISTE TS & AP Students Convention	MGIT Hyderabad	27-28 October 2016/ PPT Coordinator
7.	Ms. A.Sushma (14261A0462)	MGIT MUN Conference	MGIT Hyderabad	13-14 October 2016/ Best Coordinator
8.	Ms. S.Sai Praneetha (14261A04H0)	Paper presented on “Free Space Laser Communication”	MAGISTECH MGIT Hyderabad	27-28 October 2016/FIRST
9.	Ms. P.SubhaSahiti (14261A04F7)	Paper presented on “Free Space Laser Communication”	MAGISTECH MGIT Hyderabad	27-28 October 2016/FIRST
10.	Ms.P.Pavani (13261A94G3)	ISTE TS & AP Students Convention	MAGISTECH MGIT Hyderabad	27-28 October 2016/“Ideal Student of Talent & Excellence”
11.	Ms.P.Pavani (13261A94G3)	Paper presented on “Chameleon Chip”	CVR College of Engineering Hyderabad	28 September 2016/FIRST

Workshops/Technical Achievements Contd.,

S. NO.	NAME OF THE STUDENT	WORKSHOP/ EVENT NAME/TITLE	ORGANIZATION	DATE/ACHIEVEMENT
16.	Mr.S.Vamsheedhar Reddy (15261A0444)	PCB workshop Layout Design and Fabrication	MGIT Hyderabad	14-15 October 2016/ Coordinator
17.	Mr. L.S.V.S. Sumanth (15261A0426)	PCB workshop Layout Design and Fabrication	MGIT Hyderabad	14-15 October 2016/ FIRST
18.	Mr. P.Yashwanth (15261A0436)	PCB workshop Layout Design and Fabrication	MGIT Hyderabad	14-15 October 2016/ FIRST
19.	Mr. E. Sashank (15261A0416)	PCB workshop Layout Design and Fabrication	MGIT Hyderabad	14-15 October 2016/ SECOND
20.	Mr. Ch. Ajay Kumar (15261A0412)	PCB workshop Layout Design and Fabrication	MGIT Hyderabad	14-15 October 2016/ SECOND

Alumni Achievements – Higher Studies:

Name Of the Alumni	Higher studies(MS/MBA/any Others)	University/Place
Mr. D.Manoj Reddy (12261A04D3)	MS	University of illinois
Mr. P.Shashi Kiran (12261A04G6)	MS	Illinois institute of Technology, Chicago
Mr. Varun (12261A04D9)	MS	California State University, East bay
Ms. Ujjvala (12261A04C7)	MS	University of South Florida
Ms. Soumya (12261A04D7)	MS	University of Houston, Main Campus
Mr. Mohan (12261A04D9)	MS	North Dakota State university
Ms. S.Vinita (12261A04H3)	MS	University of Houston, Clear lake
Mr. G.SaiVardhan Reddy (12261A0417)	MS	University of Texas, Taylor
Ms. G.Sushmithareddy (12261a0414)	MS	George Mason University, Fair Fox, Virginia
Mr. D.Dattasainath (12261A0409)	MS	Newyork University, Newyork
Ms. S.Meghana (12261A0450)	MS	Depaul university, Chicago
Ms. Naina Angel 912261A0437)	MS	University of Houston, Main campus
Mr. E.Abhinav (12261A0468)	MS	University of Denton, North Texas
Mr. K.Pranav (12261A0482)	MS	University of North Texas, Denton
Ms. G.Sudharavali (12261A04A8)	MS	University of Houston, Clear lake
Mr. Karan Vema (12261A04B7)	MS	University of Texas, Taylor
Ms. K.sindhu (12261A04C0)	MS	University of North Texas, Denton
Mr. M J Vamsi (12261A0495)	M.Tech	NIT, Patna
Mr. Vidyanathan Deepak (12261A04B3)	M.Tech	JNTUH
Ms. RoshiniPriya (12261A04A9)	M.Tech	NIT, jaipur
Mr. M.S.Srinivas (11261A0429)	MS	Bowlinggreen state university
Ms. D.Vidya (12261A0410)	MS	University of Bridgeport
Mr. P.V.Ravikiran (12261a04G8)	MS	Univesity of Houston, Texas
Ms. T.Praveen (12261A0430)	MS	Wright state University, Ohio
Mr. D.Sai guru Karthik (12261A04D2)	MS	University of mnebrafkaomaha
Mr. Praneeth Kumar (11261a0415)	MS	Latrobe University
Ms. S.Neeharika (122261A04A6)	MS	University of Houston

EVENTS ORGANISED BY DEPARTMENT:

S. No.	Event Name	Date
1.	Job Scenario & Training session on ARDUINO UNO based Projects & Aptitude Test	16/7/16
2.	Extra Skill Set @ Employment & Training session on ROBOTx Controller based Projects & Letter Writing (formal)	30/7/16
3.	Roll Play	20/8/16
4.	Aptitude Test conducted by CMC	29/8/16
5.	Mock Interviews	31/8/16
6.	Debate & Just a Minute	1/9/16
7.	Group Discussion & Just a Minute	2/9/16
8.	Seminar on Technical Topics	7/9/16
9.	Seminar on Technical Topics	8/9/16
10	Seminar on Technical Topics	9/9/16
11	Aptitude Test	14/9/16
12	Mock Interviews	15/9/16
13	Aptitude Test	16/9/16
14	Role Play & Just a Minute	21/9/16
15	Group Discussion	22/9/16
16	Group Discussion & Debate	28/9/16
17	Role Play	29/9/16
18	PCB workshop Layout Design and Fabrication	14-15 Oct 2016
19	Technical Quiz	22/10/16
20	One week FDP on "ECE Laboratories"	21-26 Nov 2016

FORTH COMING EVENTS:

S. No.	II B. Tech	Tentative Date
1.	Group Discussion (Prelims)	17/12/16
2.	Group Discussion (Mains)	24/12/16
3.	Letter Writing	31/12/16
4.	Aptitude Test (Non Verbal)	21/01/17
5.	Role Play	25//02/17
6.	Debate	08/03/17
7	Just A Minute	15/3/17
8	Paper Presentation	21/3/17
9	Listen and Answer	8/4/17
10	Aptitude Test (Verbal)	15/4/17

Photo Graphs:



Inauguration of One week FDP on "ECE Laboratories" during 21-26 November 2016



Faculty Participated in FDP during 21-26 November 2016



Mr. Anupam Sharma, Scientist-G delivering guest lecture on **“Electronic Warfare and its impact on life”** on 09 September 2016



Principal Dr. G. Chandra Mohan Reddy addressing during Inauguration of **“PCB workshop Layout Design and Fabrication”** on 14 October 2016



Faculty & Students Participated in “**PCB workshop Layout Design and Fabrication**” on 14 October 2016