



TECHNO DIGEST

Newsletter from Department of ECE
Geethanjali College of Engineering and Technology
 (UGC Autonomous, Approved by AICTE and Permanently Affiliated to JNTUH)

Chairman: Sri G. R. Ravinder Reddy

Principal: Dr. S. Udaya Kumar

**Dean, School of Electrical and
 Communication Engineering**

Prof. B. Hari Kumar

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Dr. S. Suryanarayana

Editorial Committee:

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Mrs. L. Kavya

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Dr. P. Vijai Bhaskar, Professor

Dr. B.L. Prakash, Professor

Prof. K. Somasekhara Rao

Prof. O.V.P.R Siva Kumar

Prof. S. Bhujanga Rao

MODROBS

- ♦ MODROB Project with a grant of Rs.3, 52,157/- was sanctioned for the department under AQIS by AICTE for “*Modernization of Centre of Excellence Laboratory in Embedded Systems and Internet of Things*”. Prof.K.Somasekhara Rao, Dean Student Affairs is the Project Coordinator.

Patents Published

- ♦ Dr. P. Sudhakar published a Patent titled “*A utility based on Speech Enabled Interactive Voice Response (SEIVR) for providing online market place for farmers for selling of farm produce*” in the month of September, 2020 with the Application Numbered 202041034753.
- ♦ Dr.R.S.Raju Published a patent titled “*Method of Synthesizing Tungsten Rhenium σ -Phase Alloy Powder*”, in the month of July, 2020 with the Application Numbered 202041030762A.

FDPs Organized

AICTE Training and Learning Academy sponsored Five-day FDP on “*Internet of Things (IoT)*” was organized from December 1-5, 2020. This event was funded by AICTE-ATAL with a grant of Rs.98, 000.

Dr.S. Suryanarayana, HoD, was the convener and Mrs. M. Laxmi was the Coordinator for the FDP. Two hundred faculty members from various states across the county participated in the event.



- ◆ Nine Eminent personalities from industry and academia delivered the lectures during this FDP.

Day1 (01-12-2020)	Mr.P.V.S.Maruthi Rao, CEO,Vidcentum R&D Pvt. Ltd.	Latest trends and research areas in IoT
	Prof.K.Soma Sekhara Rao, Dean ,Student Affairs, GCET	Smart sensors for IoT
	Mr.Ch. Sandeep Assistant Prof,GCET	Hands-on practical: IoT Arduino Projects using Tinkercad
Day2 (02-12-2020)	Mr.PhaniKumar Varanasi, Founder CEO, Hanbit Automation Technologies	Overview of Communication Technologies for IoT short range and long range
	Ms.Divya Nemuri, IoT developer, Smart bridge Technologies,	IoT communication protocols
Day3 (03-12-2020)	Dr.S.Nagendra Kumar,Associate Professor, University of Hyderabad	Python programming for IoT applications.
	Ms.Divya Nemuri, IoT developer Smart bridge Technologies,	IBM Watson IoT Platform, Devices and application Connectivity models.API integrations
Day4 (04-12-2020)	Dr.Tushar Kanti Berra, Asst.Professor, NIT Durgapur,West Bengal	Wearable Medical instruments and Internet of Things
	Ms.Divya Nemuri, IoT developer, Smart bridge Technologies,	Develop Applications with Node RED programming tool
Day5 (05-12-2020)	Mrs. V.Satya Intel, Ireland	IOT and its real time Applications
	Mrs.A. Sobha Devi, Yoga Teacher, Ramakrishna Math, Hyderabad	Stress Management

AICTE Sponsored STTP

- ◆ Short-Term Training Program (STTP), on “*Advances in Wireless Technologies and Telecommunication*” sponsored by AICTE, was organized by the Department. The program was organized in virtual mode. Dr.S.Suryanarayana was the convener and Dr. P. Vijai Bhaskar was the Coordinator for this program. The STTP was organized in three phases as STTP-1, STTP-2 and STTP-3 on a weekly basis, as per the proposal and sanction order. An amount of Rs. Rs 2, 81, 666/- was sanctioned by AICTE for organizing this training program.

STTP1	August 3-8,2020 (<i>Learning</i>)
STTP2	August 17-22,2020 (<i>Understanding</i>)
STTP3	August 31 –September 5,2020 (<i>Implementation</i>)



- ◆ **STTP1 (August 3-8, 2020 (*Learning*)):** A total of 137 participants from various engineering colleges and research organizations of various states attended this program conducted in virtual mode.
- ◆ Details of Resource persons for STTP1

S.No.	Resource Person	Affiliation
1	Dr.P.Mallikarjuna Rao	Professor, AU College of Engineering, Andhra University, Visakhapatnam
2	Dr.B.N.Bhandari	Principal, JNTU College of Engineering, JNTUH, Kukatpally, Hyderabad
3	Dr.P.Mallikarjuna Rao	Professor, AU College of Engineering, AU, Visakhapatnam
4	Dr.K.Srinivasa Rao	Head, Dept. of ECE, Gayatri Vidyaparishad College of Engg. for Women, Visakhapatnam
5	Dr.Ch.Srinivasa Rao	Professor, University College of Engineering, JNTUK, Vijayanagaram
6	Dr.M.V.S.Sai Ram	Professor and HoD, Dept.of ECE, Gayathri VidyaParishad College of Engg., Visakhapatnam
7	Dr.Basha	Associate Professor, University Engineering College, Yogi Vemana University, Kadapa, Andhra Pradesh
8	Dr.P.S.Suhasini	Assoc. Professor, Dept. of ECE, VR Siddarrtha Engineering College, Vijayawada
9	Dr.N.Balaji	Professor, Director - IQAC, JNTUK, Kakinada
10	Dr.P. Srihari	Asst. Professor, NIT, Surathkal
11	Dr. B. Venkateshulu	Professor and Head, Dept. of ECE, GNITS, Hyderabad
12	Mr. R.S.S.Maukthika	Systems Engineer, TCS Ltd., Hyderabad

STTP2(August 17-22, 2020 (*Understanding*)): A total of 101 participants from various Engineering Colleges and research organizations participated in the STTP. Eleven eminent personalities from various engineering colleges delivered the lectures in this FDP.

S.No.	Resource Person	Affiliation
1	Mr.R.S.S.Maukthika	Systems Engineer, TCS Ltd., Hyderabad
2	Dr.B.L.Malleswari	Principal, Sridevi Women's Engineering. College, Hyderabad
3	Dr.Dhaval K. Patel	Ahmedabad University, Ahmedabad
4	Dr. M.Y. Bhanu Murty	Head, Dept. of ECE, Vasireddy Venkatadri Institute of Technology, Guntur
5	Dr.N.Balaji	Professor, Director, IQAC, JNTUK, Kakinada
6	Dr.Ch.Srinivasa Rao	Professor, JNTUK, Vijayanagaram
7	Dr.M.V.S.Sai Ram	Professor and Head, Dept. of ECE, Gayathri Vidya Parishad College of Engg., Visakhapatnam
8	Dr.Amrita Mishra	IIIT, Naya Raipur
9	Dr.Shashank Vatedka	IIT, Hyderabad
10	Dr.Yash Vasavada	DAIICT, Gandhi Nagar, Gujarat
11	Ms.RadhaNayani	Engineer 'SG', Head, ASD / S&ASG / SDR&ISA National Remote Sensing Centre, ISRO, Shadnagar

- ◆ **STTP3(August 31 – September 5, 2020 (Implementation):** A total of 122 participants from various Engineering colleges and research organizations across the country participated in this STTP. Academicians of high repute from various engineering colleges acted as resource persons.

S.No	Resource Person	Affiliation
1	Dr.K.Ravindra	Principal, Malla Reddy Institute of Technology and Science, Hyderabad
2	Dr.G.Sashi Bhushana Rao	Professor, Andhra University, Visakhapatnam
3	Dr.B.V.Ramana Reddy	Prfesor, University School of Information, Communication and Technology, Gurugobind Singh Indraparastha University, New Delhi
4	Dr.K.Sarath Kumar	Professor, Dean, Skill Development, KLU,Vijayawada
5	Dr.K.Ravindra	Principal, Malla Reddy Institute of Technology and Science, Hyderabad
6	Dr.Amrita Mishra	IIIT, Naya Raipur
7	Dr.D.Bhasker	Professor, CMR Engineering College, Hyderabad
8	Dr.T.Rama Swamy	Srinidhi Institute of Technology and Science, Hyderabad
9	Dr.K.Srinivasa Rao	Head, Dept. of ECE, Gayatri Vidyaparishad College of Engineering for Women, Visakhapatnam
10	Dr.Amit Ganatra	Dean, Faculty of Computer Engineering, Charotar University of Science and Technology, Changa, Gujarat
11	Dr.Abhinav Kumar	IIT, Hyderabad
12.	Mr.Satish KumarV	RF Engineer, Analog Devices, Bangalore

Faculty Interaction with outside world

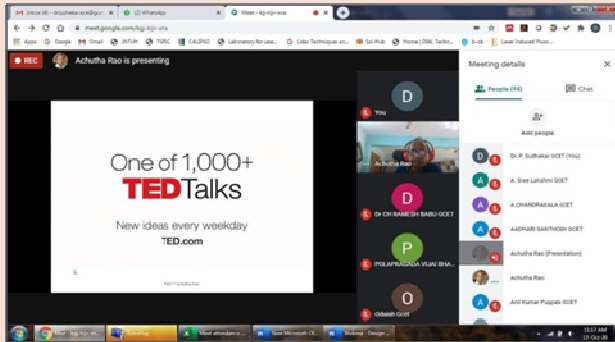
- ◆ Dr.P.Srihari, Professor of the Department delivered an invited lecture on “*Random Variables and Machine Learning*” from July 28- August 3, 2020 organized by Sridevi Women's Engineering College.
- ◆ Dr.S.Suryanarayana, Professor was the speaker of a Guest lecture on “*Basics of Analog Electronic Circuits*” Organized by St. Peter's Engineering College, Hyderabad on December 18, 2020.
- ◆ Dr.S.Vallisree, Assoc. Professor delivered an invited lecture on “*Recent Advancements in Solar Cell Technology*” on September 12, 2020 organized by Noorul Islam Centre for Higher Education.
- ◆ Mrs.G.Sreelakshmi, Assoc. Professor delivered a webinar on “*Six steps to carry out research*” on August 28, 2020, organized by Indas Mahavidyalaya,Bankura University, West Bengal.

Student Development Programs

- ◆ A Student Development Program was organized by Dr.Madhuri Bayya on “*National Innovation and Start-up policy*”. Dr.Kaushik, CEO, Vaagdevi Incubation and business accelerator was the resource person. This was conducted online for II, III& IV year students (All Departments) on January 18, 2020.
- ◆ A Student Development Program on “*IEEE Extreme programming competition*” was conducted on October 4,2020 by IEEE student branch. The resource person was Dr.G.Somasekhar. The coordinators were Vishwa Prakash Chary and G.Nitish. A total of 26 students participated out of which seven belong to ECE.

Guest Lectures

- ◆ A Guest lecture on “**Awareness on GATE Exam 2021**” was organized by Mrs.G.Sreelakshmi on August 29, 2020 for II and III year students. A total of 130 students attended. Resource person for this guest lecture was Mr.G.Sandeep, DGM, Faculty Head, TIME Institute.



- ◆ A Guest Lecture on “**Design Thinking and its implementation at Institute-level**” was organized by Prof.O.V.P.R. Sivakumar for all staff of GCET on October 17, 2020. Resource person for this guest lecture was Prof. P. Achutha Rao, Design and Innovation Trainer and Consultant; Former Centre Head, National Institute of Design R& D Campus, Bangalore. A total of 94 faculty members attended this program.

Books /Journals Published /Conferences Papers Presented /Invited Talks

- ◆ Dr.S.Saritha published a technical paper on “**MRI BRAIN TUMOR SEGMENTATION WITH SLIC AND CONVOLUTIONAL NEURAL NETWORKS**” in *Journal of Critical Reviews* , ISSN- 2394-5125, Page No. 4454-4462 , Aug, 2020.
- ◆ Dr.S.Suryanarayana published a paper on “**HYBRID POWER GATING TECHNIQUE IN FINFET BASED MEMORY FOR HIGH SPEED APPLICATIONS**” in *Sambodhi Research Vol 43 No. (1) Nov-Dec., 2020.*
- ◆ Dr. S.Spandana published a paper on “**AUTOMATIC CLASSIFICATION OF MAMMOGRAMS USING 2D-DISCRETE WAVELET TRANSFORM AND FEATURE SELECTION METHODS**” in *Journal of critical reviews, Issue no: 7:18, Nov-December 2020.*
- ◆ Dr. R.V.Durga published a paper on “**PERFORMANCE ANALYSIS OF MIMO SYSTEM CAPACITY WITH VARIOUS RECEIVER ARCHITECTURES**” in *International Journal of Grid and Distributed Computing, Vol. 13 No. 2 (2020), December, 2020*
- ◆ Dr. R.V.Durga published a paper on “**THE MIMO SYSTEM CAPACITY ANALYSIS WITH VARIOUS DETECTORS AND DIFFERENT MODULATION SCHEME**” in *International Journal of Grid and Distributed Computing, Vol. 13 No. 2 (2020), December, 2020*
- ◆ Dr.S.Spandana presented a paper on “**A COMPACT SHAPE DESCRIPTOR USING EMPIRICAL MODE DECOMPOSITION TO DETECT MALIGNANCY IN BREAST**” in the 10th International Advanced Computing Conference (IACC-2020), Goa, organized from December 5-6, 2020.
- ◆ A. Sowjanya published a paper on “**MICROSTIP METAMATERIAL BANDPASS FILTER FOR 5G APPLICATION**” in *Solid State Technology, Volume: 63 Issue: 3, Publication Year: 2020*
- ◆ Dr.P.Sudhakar published a Book chapter titled “**OPTIMIZATION OF CLOUD SEEDING CRITERIA USING SUITE OF GROUND BASED INSTRUMENTS**” In *Springer Nature*, https://doi.org/10.1007/978-981-33-4058-9_33.

Faculty Achievements

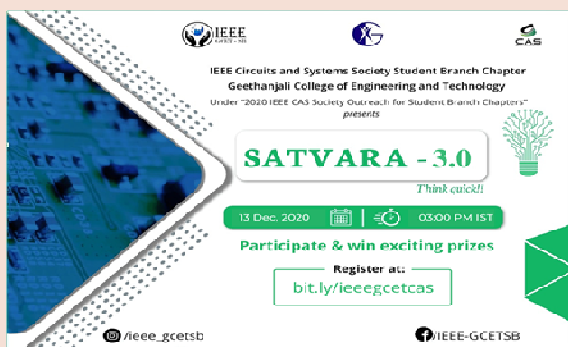
- ◆ Dr.P.Srihari successfully translated the Lectures of Prof. K. Aditya Jagannadham of IIT, Kanpur in the subject “**PRINCIPLES OF SIGNALS AND SYSTEMS**” into Telugu. Quality Check was completed and final version is submitted.
- ◆ Dr.P.Srihari submitted a proposal for “**SIMULATION LAB UNDER LAB MIGRATION SCHEME OF FOSSEE,**” IIT, Bombay, which was approved and execution was completed.

- ◆ Prof.O.V.P.R.Siva Kumar received “**CHARTED CMI LEVEL 5 CERTIFICATE**” from Chartered Management Institute, UK after successfully completing three phases of “**AICTE - UKIERI Leadership Development Program**” and all the required projects/assignments.
- ◆ Mrs.S.Krishnapriya, Associate Professor got selected as a full time research scholar for pursuing Ph.D at VIT-Vellore
- ◆ Mrs.B.Mamata, Mr. Krishna Chaitanya and Mr.Y.Sivaramakrishna got selected as full time research scholars for pursuing Ph.D at VIT-AP.
- ◆ Mr.M.Krishna got selected as a part time research scholar for pursuing Ph.D.at NIT-Patna.
- ◆ Mrs.Y.Nagalakshmi, Mrs.S.Yagnasree, Mr.B.Ramu, and Mr.M.Anand got selected as part time research scholars for pursuing Ph.D at LPU-Punjab.

Activities under Professional Bodies

IEEE:

- ◆ A Guest Lecture on “**IEEE benefits and AI Computer Vision Applications**” was organized by Ms.G.Sreelakshmi (IEEE) for all B.Tech (ECE) students on October 20, 2020. Resource person for this guest lecture was Dr.Suresh Merugu, IEEE, Hyderabad.
- ◆ Discussion on “**Benefits of IEEE & IEEE CAS Membership**” was organized by IEEE CAS Student Branch Chapter-GCET on December 4, 2020. A total of 12 IEEE Student Members participated. The Moderators for the discussion were: G. Nitish (17R11A04L3:ECE4E), Ch.Sai Yeshwanth Reddy (17R11A04K9: ECE-4E).
- ◆ **Received funding of \$1200 towards IEEE CAS outreach programme** under R10 IEEE CAS, using which several events were organized by GCET IEEE CAS SB. Ms. G. Sree Lakshmi supported this initiative.
- ◆ IEEE CAS Student chapter-GCET SB organized a Workshop on “**Advanced Digital Design Using Verilog**” from December 11-24, 2020, for the students of Geethanjali College of Engineering and Technology. Mr. Raja Bandi was invited as the chief guest/resource person for the 14-days workshop



- ◆ IEEE Circuits and Systems Society Student Branch Chapter GCET organized “**SATVARA-Think quick!! 3.0**” an online quiz competition on Digital Electronics and its related areas on December 13, 2020. This was an online Quiz competition conducted by IEEE CAS SBC GCET and the motto behind conducting this event was to promote a thorough conceptual understanding of Digital Electronics. A total of 78 students registered for the event

- ◆ The winners of SATVARA-Think quick!!3.0 Online Quiz competition are: Cherukuri Sai Nitesha, Geethanjali College of Engineering and Technology, Hyderabad, Telangana, Abhirami Bhargan, GEC Thrissur, Kerala, Arunlal Jayaraman, GEC Barton Hill, Trivandrum, Kerala .
- ◆ IEEE CAS Student chapter-GCET SB organized a Webinar on “**ASIC Verification-Role of System Verilog and UVM**” on December 18, 2020. Mr.Damodara M. S.wasinvited as the chief guest for the inaugural session. He also acted as resource person for the webinar. A total of 69 students and 25

◆ IEEE Circuits and Systems Society Student Branch Chapter GCET organized "**CIRCUITER**", an online quiz competition on Electrical circuits and its related areas on December 23, 2020. The student coordinators were G.Nitish, Y.Saketh Kumar and G.Akhila.

◆ This was the online quiz competition, conducted by IEEE CAS SBC GCET and the motto behind conducting this event is to promote a thorough conceptual understanding of Electrical circuits. The winners of Circuiter -An online circuit analysing contest are: Arunlal Jayaraman from GEC Barton Hill, Trivandrum. Mandapuri Saiteja from GCET, Hyderabad and Kandula Vineela from GCET.

◆ **IEEE Xtreme 14.0** A 24-Hour Programming Competition Hosted by IEEE GCET SB from 5:30 AM on 24th October, 2020 to 25th October, 2020 (5:30 AM). A total of 26 members participated and the total number of teams was 9. The Proctors were Dr. Somashekar G, Advisor- CS Chapter, SB - GCET. Associate Professor, Dept. of CSE and Mr. Vishwa Prakash Chary. Student Branch supporting team consisted of Ms. T. Jyothirmayee, SB Counsellor, GCET Associate Professor, Dept. of ECE, Mr. D Venkata Rami Reddy, Associate Professor, Dept. of ECE and Mr. Nitish G, Chair, IEEE SB GCET. Code Hour Team, IEEE CS GCET SBC - Ms.K.Mahalakshmi and Mr.Abhishek B.

Team Name	University	Country	Region	Region Rank	Country Rank	School Rank
Teamcoders	Geethanjali College of Engineering & Technology	India	R0	280	66	1
ABCCODERS	Geethanjali College of Engineering & Technology	India	R0	297	73	2
codefortxtreme	Geethanjali College of Engineering & Technology	India	R0	315	81	3
codinggirls	Geethanjali College of Engineering & Technology	India	R0	371	111	4
Syntaxanderrors	Geethanjali College of Engineering & Technology	India	R0	381	117	5
GCETians	Geethanjali College of Engineering & Technology	India	R0	381	117	5
CodeGeass	Geethanjali College of Engineering & Technology	India	R0	389	122	7
MAKTUB	Geethanjali College of Engineering & Technology	India	R0	389	122	7
Algorithmunlock	Geethanjali College of Engineering & Technology	India	R0	454	153	9

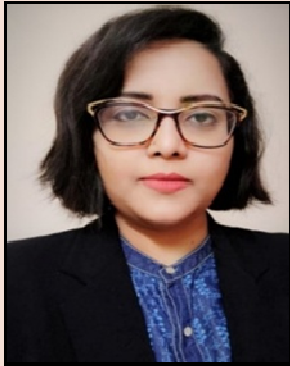
◆ A Guest Lecture on "**Architecture of IoT and its Applications**" held on January 7, 2021, organized by Mrs.G.Sreelakshmi, Associate Professor (IEEE-CAS-ECE). The Resource person for this Guest lecture was Mrs. N.Divya, Senior IoT Engineer, Smart Bridge Technologies, Hyderabad.

ISTE

- ◆ A Guest Lecture on *“Circuit Theory and its Applications in Electronics and Communication Engineering”* was organized by Mrs.M.Sowjanya (ISTE) for II year students on December 22, 2020. The Resource person for this guest lecture was Dr. V. Kumara Swamy, Professor, SNIST, Hyderabad.

IETE

- ◆ Guest Lecture on *“Advances in Electronics and Communication ”* was organized by Mr.U.AppalaRaju (IETE) for III year students on December 23, 2020. The Resource persons for this guest lecture were Dr.G.Prasad, Scientist “G”, NRSC, Department of Space and Mr.A.SarveswaraRao, Technical Officer “D”, DMRL, DRDO.

Department Enrichment

◆**Dr. R. V. Durga** joined the department in the month of December 2020 as an Associate Professor. She earned her Ph.D. from the University of Hertfordshire, Hertfordshire, UK. She has 9 plus years of experience in teaching, research and administration. She authored and co-authored many Scholarly articles in International and National Journals of repute and presented papers in International conferences organized by world’s largest technical professional organizations like IEEE, CSIR, and IET. Her research interests include Radio and Mobile Communications, Micro-strip Antennas and VLSI System Design.

FDPs/Workshops/Webinars Attended

S.No	FDP/ Workshop/ Webinar	Faculty Attended	Venue/Organization	Date(s)
1	International Webinar on “Super continuum Lasers: An Ingenious Toolbox for Multi-Spectral Bio-medical Applications”	Dr.B.L.Prakash	NNRES,Hyderabad	July 1,2020
2	A two day FDP on “Features of Google Forms and Google Class Rooms	Dr.B.L.Prakash	GCET	July 1-2, 2020
3	A Five day STTP on “Challenges and Research opportunities in the area of Communication & Signal Processing”	Mrs.M.Sowjanya	CMRCET, Hyderabad	July 20-25,2020
4	A Five day workshop on “Applications of ML and DL using MATLAB and PYTHON	Mrs.L.Kavya	SNIST,Hyderabad	July 27-31, 2020

5	AICTE sponsored STTP on “Advances in wireless technologies and telecommunication”	Dr.P.Srihari Mrs.M.Sowjanya Mr. U.AppalaRaju	GCET,Hyderabad	August 3-8, 2020
6	Applied Deep learning for medical data analysis	Dr.P.Spandana	Eduxlabs	August 3-20,2020
7	Advanced Communication system Design and Simulations	Dr.P.Srihari	NIT, Puducherry	August 17-21, 2020
8	Webinar on “Recent Advancements in the Solar Cell Technology”	Mrs.B.Sreelatha	Noorul Islam Center,Tamilnadu	September 12, 2020
9	ATAL Sponsored FDP on “Artificial Intelligence”	Dr.S.Vallisree	Sastra University	September 14-18, 2020
10	One Day National Webinar on “Quality Enhancement and Sustenance in Higher Education Institutions”	Dr.B.L.Prakash	NNRES Hyderabad	September 19,2020
11	FDP on “System Verilog based Verification”	Dr.S.Vallisree	Entuple Technologies	Sep 14 - Oct 30, 2020
12	Online Panel Discussion on “Making Mentoring relevant	Mrs.B.Sreelatha	NITTTR Bhopal, Chandigarh, Chennai, Kolkata	September 21,2020
13	ATAL Academy Online FDP on “Internet of Things (IoT)”	Dr. P.Spandana	(NIELIT)-GANGTO	September 21-25, 2020
14	A Five days ATAL Sponsored FDP on “Control Systems & Sensors Technology”	Mr.Y.Sivaramakrishna	IIIT NAGPUR	September 21-25, 2020
15	A Five days (ATAL) Academy Online FDP on “Leadership & Excellence”	Mrs.S.Jyothirmaye	Alagappa University	September 25-29, 2020
16	A Four week FDP on “C Programming”	Ms.A.R.L.Padmaja Ms.S.Jyothirmaye, Ms.M.Umarani	GCET	Sep 28 - Oct 30, 2020
17	Enhance NAAC Grading/NIRF ranking by “International Educational Standard ISO 21001-2018”	Dr.P.Srihari	PS Quality	September 30, 2020
18	(ATAL) Academy Online FDP on “Data Sciences”	Dr.P.Spandana	Central University of Tamil Nadu	October 5-9, 2020
19	ATAL Academy Online FDP on “Innovation Management”	Dr.S.Saritha	ShivnadarUniversity	October 10-14, 2020
20	ATAL Sponsored FDP on “Internet of Things (IoT)”	Mr.Y.Sivaramakrishna	IIT KOTA	October 12-16, 2020

21	ATAL Academy Online FDP on “ Internet of Things (IoT) ”	Mrs.S.Jyothirmaye	Institute of Engineering & Technology,Lucknow.	Oct 29 - Nov 2,2020
22	AICTE Sponsored STTP on “ Research and Development in Wireless Communication Application using NetSim and MATLAB ”	Mr.Y.Sivaramakrishna	Pondicherry Engineering College	November 2-7,2020
23	ATAL Sponsored FDP on “ IOT wearable Devices ”	Mrs.M.Laxmi,	Thapar Institute of Engineering and Technology, Patiala	November 16-20, 2020
24	ATAL Sponsored FDP on “ Internet of Things ”	All GCET ECE Faculty	GCET	December 1-5, 2020

Students' Achievements

- ◆ Mr.Noorbasha Salman Vali of ECE-II B attended Online Course on “**Artificial Intelligence for Everyone**” through Coursera.
- ◆ A total of 28 students attended the online courses through“ **Coursera**” for various subjects.
- ◆ Ms.Bharathi Suguru of ECE-IVA was selected for the position of “**FPGA Design Intern**” with SION Semiconductors Pvt. Ltd. in Artificial Intelligence Project group.
- ◆ Mr.Anil Kumar successfully completed “System Verilog beginner: write your First Design & TB Modules” online course on December 21,2019 from **Udemy**.
- ◆ Mr. Anil Kumar and Mr.K.Vinay Kumar, students of CoE in VLSI (2020 passed out batch) were amongst the top 100 selected in the screening test conducted by TASK, Govt. of Telangana for an intensive job oriented free training in "**VLSI Design& Verification with Focus on SV and UVM**".
- ◆ A total of 40 students got the Appreciation certificate for participation in “**Online Quiz**” for various subjects.
- ◆ Project Proposal by Vema Sree Harsha of II year on "**Flower Knitting Machine**" was shortlisted for AICTE Chhatra Vishwakarma Awards 2020.
- ◆ Cherukuri Sai Nitheesha of III year got First place in “**Satvara Think-Quick 3.0**” On-line Quiz Competition conducted by IEEE CAS Student Branch Chapter of GCET on December 13, 2020.


Students' Placement

Name of the Company	Number of Students Placed	Date of Visit	Salary per annum
DXC TECHNOLOGIES	42	August 28, 2020	3.60LPA
COGNIZANT	50	December 18, 2020	4.00LPA
MULTIPLIER SOLUTIONS	23	December 29, 2020	2.40LPA
TCS NINJA	6	December 28, 2020	3.60LPA

Students' Higher Education

S. No	Roll No.	Name of the Student	Name of the Program	TOEFL/ GRE/ IELTS/ BEC Score
1	16R11A04A3	B.V. Prateek	MS	Duolingo English test
2	16R11A04K1	Shaik Shabnam	MS	IELTS- 7.0 overall
3	16R11A0437	V.Nithya Reddy	MS	-
4	15R11A0402	A. Prasanna	MS	GRE-Qualified
5	15R11A0488	Manojsai	M.SC at Leicester in UK	Qualified
6	16R11A04H3	S. Pranay	MS	278/346
7	16R11A0423	K. Mahathi	TSPGECET	65 Rank
8	16R11A04D7	V. Hanumantha Raghu Srikar	TSPGECET	3 Rank
9	16R11A04E3	A V S Raghuv eer	TSPGECET	386 Rank
10	17R15A0438	Chinthala.Santhosh Kumar	TSPGECET	1454 Rank
11	17R15A0447	B. Sunil Kumarr	TSPGECET	1310 Rank
12	17R15A0447	V.Bhuvana Kruthi	TSPGECET	145 Rank
13	17R15A0429	Narra. Moulika	TSPGECET	100 Rank
14	17R15A0402	E.Pooja	TSPGECET	281 Rank
15	16R11A04P8	Rayala.Navya	TSPGECET	829 Rank
16	16R11A0462	K.Himesh Bharadwaj	Masters in US	309/346
17	14R11A04M0	N.Lakshmi Manjusha	Masters in US	IELTS Score-7.5
18	16R11A0408	Ch.Anuhya	Masters in Canada	IELTS Score-7.0
19	16R11A0442	S.Sai Anish Kumar	Masters	IELTS Score-7.0
20	16R11A04K1	Shabnam Shaik	Masters in US	IELTS Score-7.0
21	16R11A04B6	K.Raju	TSPGECET	583 Rank
22	17R15A0407	B.Ganga	TSPGECET	1563 Rank
23	16R11A04P3	V.Bhuvana Kruthi	TSPGECET	145 Rank
24	16R11A04P8	R.Navya	TSPGECET	35 Rank
25	17R11A0443	S. Jyoshnavi	Masters in US	GRE Score : 321/346
26	15R11A0429	M. Jayaditya	Masters in US	GRE Score: 313/346
27	15R11A0432	M. V. S. Hari Prem	Masters in US	GRE Score: 319/346
28	16R11A0472	N. Bodhendra Reddy	Masters in US	IELTS Score: 7.2
29	16R11A0474	P. Surya Teja	Masters in Canada	IELTS Score: 6.5
30	16R11A0476	P. Nihar Sri Teja	Masters in Canada	IELTS Score: 7.5
31	16R11A0499	A.Sai Rahul	Masters in Canada	IELTS Score: 76.5
32	16R11A04F6	D.Raguvaran	Masters in Canada	IELTS Score: 7.0
33	16R11A0473	P. Adarsh Reddy	Masters in US	IELTS Score: 6.5
34	17R15A0406	P. Sai Kumar	Duolingo, Canada	110 Rank
35	16R11A04P7	V.Lalitha Yamini	Germany	BEC Certification
36	16R11A0421	K. Sai Dikshith	Germany	BEC Certification

Academic Toppers of 2019-20 - II semester

Rank\ Year	I - Year	II - Year	III - Year	IV - Year
1 st Rank	 Y. Praneetha 19R11A04K2 SGPA- 9.54	 K. Rukmini 18R11A0427 SGPA- 9.38	 A.S. Sankeerthana 17R11A0451 SGPA- 9.42	 K. Greeshama 16R11A0420 SGPA- 9.22
2 nd Rank	 P. Akshaya 19R11A0483 SGPA- 9.48	 I. Divya Shree 18R11A04G0 SGPA- 9.34	 M. Jaya Manasa 17R11A04H0 SGPA- 9.40	 N. Sai Swetha 16R11A04H0 SGPA- 8.99
3 rd Rank	 Ch. Akshita 18R11A04F0 SGPA-9.41	 V. Shivani Reddy 18R110119 SGPA- 9.34	 G. Nitish 17R11A04L3 SGPA- 9.34	 V. Chandana 16R11A04E0 SGPA- 8.92

NSS Activities

Date	Name of the Activity	Resource Person	No. of Participants	Program officer
September 26, 2020	Role of Youth in Nation Building during COVID19	Mr. Deshpande, Ramakrishna Math	175	Mr. R. Odaiah

Orientation Programs

- ◆ An online Orientation Day Program was organized for the newly admitted Lateral Entry students of ECE for the academic year 2020-21, on October 21, 2020. The program was organized from 10 to 11.40 AM.
- ◆ An online Orientation Day Program was organized for the newly admitted B.Tech First Year students of the academic year 2020-21, on November 19, 2020. Swami **Bodhamayanandaji**, Director of Vivekananda Institute of Human Excellence, Rama Krishna Math, Hyderabad was the Chief Guest and **Mr. P. Rajendra**, Country Head – USA, B2R Technologies, USA was the Guest of Honour for the program. **Sri. G.R. Ravinder Reddy**, Chairman and **Dr. S. Udaya Kumar**, Principal addressed the students and parents on this occasion.