

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES (Autonomous) :: RAJAMPET

AN EXCLUSIVE NEWS LETTER OF DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING  
FROM ANTRIX-ECE ASSOCIATION

Reach us at [www.aitsrajampet.ac.in/ecedept/index.htm](http://www.aitsrajampet.ac.in/ecedept/index.htm)

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**Antrix Newsletter** is an amalgamation of all the events held in the Department of Electronics & Communication Engineering, Annamacharya Institute of Technology & Sciences, Rajampet. This e-News letter is compiled by Antrix-ECE Association with the inputs of the Faculty and Students of the Department. It plays an instrumental role in providing a greater exposure of the achievements accomplished.



## VISION

To offer educational experiences those make the students globally competent, socially responsible and bring in answers to ever-ebbing problems in the field of Electronics & Communication Engineering.

## MISSION

To offer high quality premier education in the field of Electronics & Communication Engineering and to prepare students for professional career and higher studies. To promote excellence in technical research, collaborative activities and positive contributions to society

## Program Educational Objectives (PEOs)

- 1) Work efficiently as Electronics & Communication Engineers, including supportive and leadership roles on Multidisciplinary teams.
- 2) Communicate effectively, recognize and incorporate societal needs and constraints in their professional endeavors with high regard to legal and ethical responsibilities.
- 3) Develop attitude in lifelong learning, applying and adapting new ideas and technologies as their field evolves.

## PROGRAM OUTCOMES

*Students in the Electronic and Communication Engineering program should, at the time of their graduation, are in possession of:*

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.

## EVENTS ORGANISED

- A Guest lecture on “**Cloud computing**” by Sri P. Charan kumar, software engineer, IBM, Bangalore was conducted on 25<sup>th</sup> January- 2020. He was the alumni of AITS, Rajampet. He explained in detailed about the use of cell phones, internet and use of cloud computing etc., III B.Tech students are participated in this guest lecture. This guest lecture was conducted by AITS, Alumni Association, Rajampet.



- A three day workshop on “**Problem solving skills using python**” was conducted on 30<sup>th</sup> January to 1<sup>st</sup> February- 2020. In this workshop II B. Tech ECE students are participated. This workshop is organized by dept. of ECE. The resource persons are Mr. T. Muneiah, member of APSSDC, Mr. R. Rami reddy, member of APSSDC, in this workshop handson session is also conducted, it helps to students to design python applications on their own. In this workshop students learned python programming basics like how to create functions, lists, packages and modules.
- A Two day workshop on “**Industrial Automation system using PLC’S**” was conducted on 5<sup>th</sup> & 6<sup>th</sup> March. In this workshop all III-B. Tech ECE Students are participated. This workshop was organized by the department of ECE. The resource person for this workshop was Mr. B. Senthil Kumar, Technical Head- Automation Division, SSK Delta Design engineering pvt. ltd., Chennai. This program was conducted under IEEE, IEI, and ISTE.



- One week Online FDP on “**RECENT TRENDS IN ELECTRONICS INDUSTRY**” was conducted on 18th & 23rd May- 2020 by the Dept. of ECE. The resource persons are Mr. Anand Moghe, Mr. P. Karthik sharma, Technical Manager, Tech fluent Pvt. Ltd Hyderabad & K.S Kumar, Cyient Technologies, Hyderabad.




**ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES (AUTONOMOUS)**  
**THALLAPAKA PANCHAYAT, NEW BOYANAPALLI-516126**  
**RAJAMPET, KADAPA DIST. ANDHRA PRADESH**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
 Presents

**ONE WEEK ONLINE FDP ON**  
**"RECENT TRENDS IN ELECTRONICS INDUSTRY"**  
**(RTEI-2020)**

**From 18.05.2020 to 23.05.2020**

**Sessions by Eminent Resource Persons from Industry**

url for Registration : <https://tinyurl.com/yb6lb2a3>  
 e-Certificates for all registered participants,  
 No Registration Fee, Limited Participants only based on FCFS

**Chief Patrons:**  
 Sri. C.Gangi Reddy, Hon' Secretary, AET  
 Sri.C.Yella Reddy, Vice Chairman, AET  
 Sri.C.Abhishek Reddy, Executive Director, AET

**Patron:** Dr.S.M.V.Narayana, Principal, AITS, Rajampet

**Convenor:** Dr. CH. Nagaraju, Professor & HOD-ECE

**Coordinator (s):** Mr. N. Bala Dastagiri Ph. No: 8096735672  
 Dr. Fahimuddin Shaik

**Organizing Team :** All the faculty members from Dept. of ECE

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- Series of webinars on “**QUALITY RESEARCH & ENTREPRENEURIAL ACTIVITIES**” was conducted on 26<sup>th</sup> & 28<sup>th</sup> May- 2020 by the Dept. of ECE. The resource persons are Dr, B. T. P. Madhav, professor & Associate dean (Academic research) ALRL- R&D, ECE Dept., KLU and M. Sharath program manager, ALEAP, Hyderabad and Dr. Argha Sarkar Ph.D in NIT Arunachal pradesh. In this webinar faculty members are participated.



**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES**  
(Autonomous)  
New Boyanpalli, Rajampet, Kadapa Dist, Andhra Pradesh-516126.

**DEPARTMENT of ELECTRONICS AND COMMUNICATION ENGINEERING**

Presents

**Series of Webinars  
on  
Quality Research & Entrepreneurial Activities**

From 26-05-2020 to 28-05-2020

URL for Registration: <https://forms.gle/3DV8Gjpu9sh4KKKr5>

No Registration Fee, Limited Participants on the basis of FCFS

**PROGRAM SCHEDULE**

**Topic: Research Credentials Through High Quality Publications--  
Metrics & Process**

**DAY 1  
26 May**

**Resource Person: Dr. B.T.P. Madhav**  
Professor & Associate Dean (Academic Research)  
ALRL-R&D, ECE Department , K L University

Time: 11:00 AM to 12:30 PM

**Topic: Idea Generation and Evaluation, Consumer Behavior After  
COVID '19**

**DAY 2  
27 May**

**Resource Person: M. Sharath**  
Program Manager  
ALEAP, Hyderabad

Time: 2:00 PM to 03:00 PM

**Topic: Research To Quality Publications**

**DAY 3  
28 May**

**Resource Person: Dr. Argha Sarkar**  
M. Tech , Ph.D in NIT  
Arunachal Pradesh

Time: 3:00 PM to 04:30 PM

**Chief Patrons:**

Sri. C. Gangi Reddy, Hon' Secretary, AET  
Sri. C. Yella Reddy, Vice Chairman, AET  
Sri. C. Abhishek Reddy, Executive Director , AET

**Patron:**

Dr. S. M. V. Narayana, Principal, AITS, Rajampet

**Convenor:**

Dr. CH. Nagaraju, Professor & HOD, ECE

**Coordinator(s): Mr. N. Bala Dastagiri, Dr. Fahimuddin Shaik**  
**Organizing Team: All the faculty members of ECE Department**

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**Antrix - ECE Association Events:**

- “Musical chairs” competition was conducted on 24<sup>th</sup> January for II, III, IV B.Tech students. This event was conducted under the Antrix ECE Association. .



- A Guest lecture on “Awareness on open source software and free online course” was conducted on 28<sup>th</sup> February- 2020 by Dr. S. Fahimuddin, Associate Professor, dept. of ECE, AITS, Rajampet. In this he explained what are the different online course, how those will be useful. This guest lecture was conducted under the Antrix ECE Association. In this guest lecture II B. Tech ECE students are participated.



- "Technical Quiz" was conducted for II, III, IV B. Tech students on 06<sup>th</sup> March by the department of ECE. This event was conducted under the Antrix ECE Association.



## STUDENT ACTIVITIES

*Co –Curricular:*

**Talk:**

S.NO	Name of the Student	Place & Date	Award
1.	T. Yogeswar Reddy	INTERNSHALA, Gurgoan 10th January 2020.	Participation Certificate

*Extra-curricular:*

**Sports:**

S.NO	Name of the Student	Name of the Sport	National/ International/ Institute level	Place & Date	Award
1.	G.Chenna Krishna Reddy	Ball Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winners
2.	N. Sreenivasulu	Ball Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winners
3.	N. Bharath kumar	Kabbadi	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
4.	M. Bharath Kumar	Kabbadi	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
5.	Durga Prasad Reddy	Basket Ball	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
6.	Sai Adithya yadav	Basket Ball	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
7.	K. Narasimha Reddy	Basket Ball	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
8.	G. Sai Kumar Reddy	Cricket	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
9.	K. Hiteesh	Cricket	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
10.	K. Sathya Narayana	VolleyBall	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
11.	K. Deepanjani	VolleyBall	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
12.	Y. Sravani	ThrowBall	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation

13.	P. Geetha	ThrowBall	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
14.	K. Shilpa	ThrowBall	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
15.	T. Dhanusha	ThrowBall	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
16.	T. Dhanusha	volleyball	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
17.	G. Pranavi	Shuttle Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winner
18.	G. Adilakshmi	Shuttle Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winner
19.	R. Keerthana	Ball Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winner
20.	P. Haritha	Ball Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winner
21.	P.M. Hima Bindu	Ball Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.202	Winner
22.	A. Reddy Shashank	Ball Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winner
23.	K. Sreekanth Achari	Ball Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winner
24.	M. Siva Sankar	volleyBall	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Participation
25.	S. Sreya	Ball Batminton	National	SVCET Chittor & 09.01.2020 to 11.01.2020	Winner
26.	R. Keerthana	Ball Batminton	National	SV college of Engineering & 09.01.2020 to 11.01.2020	Winner
27.	G. Adi Lakshmi	Shuttle Batminton	National	SV college of Engineering & 09.01.2020 to 11.01.2020	Winner
28.	R. Keerthana	Ball Batminton	National	SPS Nellore & 22.02.2020 to 24.02.2020	Participation



29.	S. Sreeya	Ball Batminton	National	SPS Nellore & 22.02.2020 to 24.02.2020	Participation
30.	P. Hima Baidu	Ball Batminton	National	SPS Nellore & 22.02.2020 to 24.02.2020	Participation
31.	P. Haritha	Ball Batminton	National	SPS Nellore & 22.02.2020 to 24.02.2020	Participation
32.	J. Lakshmi	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
33.	S. Nadiya	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
34.	Y. Sravani	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
35.	A. AdiLakshmi	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
36.	G. Pranavi	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
37.	P. Haritha	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
38.	T. Dhanusha	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
39.	P. Geetha	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
40.	P. Maneesha	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
41.	S. Maneesha	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
42.	Y. Sreevani	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
43.	B. Suchitra	ThrowBall	Institute	AITS Rajampet & 26.01.2020	Winners
44.	B. Saleem Peera	VolleyBall	Institute	AITS Rajampet & 26.01.2020	Runners
45.	R. Raja Mohan Reddy	VolleyBall	Institute	AITS Rajampet & 26.01.2020	Runners
46.	C. Lakshmi VaraPrasad	VolleyBall	Institute	AITS Rajampet & 26.01.2020	Runners

47.	K. Adi Narayana	VolleyBall	Institute	AIMS Rajampet & 26.01.2020	Runners
48.	K. Rama krishna Reddy	VolleyBall	Institute	AIMS Rajampet & 26.01.2020	Runners
49.	K. Sathya Narayana	VolleyBall	Institute	AIMS Rajampet & 26.01.2020	Runners
50.	D. Ravi sankar Reddy	VolleyBall	Institute	AIMS Rajampet & 26.01.2020	Runners
51.	K Shiva shankar	VolleyBall	Institute	AIMS Rajampet & 26.01.2020	Runners
52.	A. Sreenivasa Reddy	VolleyBall	Institute	AIMS Rajampet & 26.01.2020	Runners
53.	S. Sudhakar	VolleyBall	Institute	AIMS Rajampet & 26.01.2020	Runners
54.	P. Moulali	VolleyBall	Institute	AIMS Rajampet & 26.01.2020	Runners

**Journals:**

- **J. Chinna Babu**, C. Chinnapu Reddy, M. N. Giri Prasad “Error Performance of Hybrid Weighted Bit Flipping decoder for Security Applications using EG-LDPC codes”, International Journal of Advanced Science and Technology, Volume:7, Issue: 3, February 2020, Page No.: 669-678, **ISSN NO. (Online): 2005-4238 (SCOPUS)**.
- **Shaik Nazeer Hussain**, K. Hari Kishore “Heuristic Approach to Evaluate the Performance of Optimization Algorithms in VLSI Floor Planning for ASIC Design”, Studies in Computational Intelligence, Volume: 885, Issue: 16, February 2020, Page No.: 213-226, **ISSN NO. (Online): 1860-949X (SCOPUS)**.
- **K.Shankar**, K.Sahithi,R.Pavan Kumar Raju,A.Premchand Ravisastri “Satellite Image Enhancement Using DT-CWT-ABFRE Technique”, The International journal of analytical and experimental modal analysis, Volume: XII, Issue: 3, March 2020, Page No.: 2141-2146, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **K.Shankar**, M.Bhatarh Kumar Reddy, M.S.Ameensuhail, J.Karthik “RFID Based Intelligent Books Shelving System”, The International journal of analytical and experimental modal analysis, Volume: XII, Issue: 3, March 2020, Page No.: 1749-1752, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **P.Syamaladevi**, U.Suchitra, P.Swapna, A.Reddy Sasank “Design of 1X5 Router by Using RTL Design”, The International journal of analytical and experimental modal analysis, Volume: XII, Issue: 3, March 2020, Page No.: 2629-2633, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **P.Syamaladevi**, S.Sandhya Rani, C.Pavan Kumar Naidu, V.Siva Krishna, “Power Optimization Using Look Ahead Clock Gating in VLSI Circuits”, The International journal of analytical and experimental modal analysis, Volume: XII, Issue: 3, March 2020, Page No.: 2664-2670, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **J.Himabindhu**, M.Sushma, T.Rajeswari, P.Pavan Reddy “Liquid Rescaling For Content Aware Image Resizing”, The International journal of analytical and experimental modal analysis, Volume: XII, Issue: 3, March 2020, Page No.: 2136-2140, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **C.Venkatesh**, K.Sai Dhanusha, C.Lakshmivara Prasad, S.Areef “Deep Learning Based Lung Cancer Detection In Ct Scans And Secure Data Transmission”, The International journal of analytical and experimental modal analysis, Volume: 7, Issue: 3, March 2020, Page No.: 2568-2573, **ISSN NO. (Online): 0886-9367 (UGC)**.

- **C.Venkatesh**, P.M.Himabindu, P.Padmaja Yadav, B.Naveen Kumar Reddy “Design Of Real Time Robotic System For Object Detection And Classification Using Raspberry Pi”, The International journal of analytical and experimental modal analysis, Volume: 7, Issue: 3, March 2020, Page No.: 2131-2135, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **L.Sivayamini**, S.Karishma, M.Bharathkumar “Design of Voice Controlled Agri Robot Based on Arduino”, The International journal of analytical and experimental modal analysis, Volume: 7, Issue: 3, March 2020, Page No.: 2122-2126, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **L.Sivayamini**, M.Deepthi Kiran, B.Durga Prasad, M.Guru Sirisha “Segmentation Of Tumor From MR Brain Images Via Supervoxel Technique”, The International journal of analytical and experimental modal analysis, Volume: 7, Issue: 3, March 2020, Page No.: 2574-2579, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **K.Naganarasaiah Goud**, S.Supraja, M.Madhukar, B.Damodhar “Brain Tumor Detection From MR Images Using Anisotropic Diffusion Filter And Morphology”, The International journal of analytical and experimental modal analysis, Volume :XII, Issue: IV, March 2020, Page No.: 2280-2282, **ISSN NO. (Online):0886-9367 (UGC)**.
- **Y Pavan Kumar Reddy**, D. Saiteja,E. Raja Sekhar Reddy, P. Sai Aditya Yadav, **Dr.S. Fahimuddin** “Wound Image Segmentation Using Markov Random Field Master”, Journal of Information and Computational Science, Volume: 10, Issue: .3, March 2020, Page No.: 1490-1496, **ISSN NO. (Online): 1548-7741 (UGC)**.
- **Y Pavan Kumar Reddy**, S. Fahimuddin, B. Chaitanya Lahari, G. Chinna,S. Naveen Kumar Reddy “Wavelet And Cosine Transform Based Infrared And Visual Image Fusion”, Journal of Information and Computational Science, Volume: 10, Issue: .3, March 2020, Page No.: 789-795, **ISSN NO. (Online): 1548-7741 (UGC)**.
- **K. Naganarasaiah Goud**, D.Lokesh, K.Ashok Kumar, G.Chenna Krishna Reddy “A Hybrid Method for Brain Tumor Classification”, The International journal of analytical and experimental modal analysis, Volume :XII, Issue: III, April 2020, Page No.: 1213-1218, **ISSN NO. (Online):0886-9367 (UGC)**.
- **Dr. K.Riyazuddin**, C.Ramya, K.Poojitha “Performance Analysis of OFDM, FBMC and UFMC”, The International journal of analytical and experimental modal analysis, Volume: 29, Issue: 4, April 2020, Page No.: 603-613, **ISSN NO. (Online): 0886-9367 (UGC)**.
- **Basivi Prasanthi**, P.Suvarna, K.Venkateswarlu, B.V.Narayana Reddy “Plant Disease Classification Based On Improved K-means and SVM ”, The International journal of analytical and experimental modal analysis, Volume: XII, Issue: V, May 2020, Page No.: 313-320, **ISSN NO. (Online): 0886-9367 (UGC)**.

- **J. Chinna Babu**, C. Chinnapu Reddy, M. N. Giri Prasad “Implementation of Dynamic Decoders for Security Applications Using EG-LDPC Codes”, Lecture Notes in Electrical Engineering, Volume: 643, Issue: 1, May 2020, Page No.: 415-427, **ISSN NO. (Online): 1876-1100 (SCOPUS)**.
- **Syed Javeed Basha, Bepar Abdul Rahim**, “VLSI Floorplanning Using Nature-Inspired Hybrid Optimization Algorithm”, LECTURE NOTES IN ELECTRICAL ENGINEERING- SPRINGER, Volume: 601, May 2020, Page No.: 1959-1967, ISBN: 978-981-15-1420-3, <https://doi.org/10.1007/978-981-15-1420-3> (**SCOPUS**)
- **Shaik Karimullah**, D.Vishnuvardhan, “Iterative Analysis of Optimization Algorithms for Placement and Routing in ASIC Design”, LECTURE NOTES IN ELECTRICAL ENGINEERING- SPRINGER, Volume: 601, May 2020, Page No.: 1947-1958, ISBN: 978-981-15-1420-3, <https://doi.org/10.1007/978-981-15-1420-3> (**SCOPUS**)
- **Shaik Karimullah**, D.Vishnuvardhan, **Syed Javeed Basha**, “Floorplanning for Placement of Modules in VLSI Physical Design Using Harmony Search Technique”, LECTURE NOTES IN ELECTRICAL ENGINEERING- SPRINGER, Volume: 601, May 2020, Page No.: 1929-1938, ISBN: 978-981-15-1420-3, <https://doi.org/10.1007/978-981-15-1420-3> (**SCOPUS**)
- **K. Riyazuddin ,N. BalaDastagiri,S. Bajid Vali, Shaik Karimullah**“Design and Implementation of Novel 4-Bit ALU”, LECTURE NOTES IN ELECTRICAL ENGINEERING- SPRINGER, Volume: 601, May 2020, Page No.: 1916-1928, ISBN: 978-981-15-1420-3, <https://doi.org/10.1007/978-981-15-1420-3>(**SCOPUS**)
- **Shaik Karimullah**, D.Vishnuvardhan, “Experimental Analysis of Optimization Techniques for Placement and Routing in ASIC Design”, LECTURE NOTES IN ELECTRICAL ENGINEERING- SPRINGER, Volume: 601, May 2020, Page No.: 908-917, ISBN: 978-981-15-1420-3, <https://doi.org/10.1007/978-981-15-1420-3> (**SCOPUS**)
- **G.Thirumalaiah**, S.Immanuel Alex Pandian “An energy optimized object modeling technique for video synopsis using particle swarm optimization”, Journal of Green Engineering, Volume: 10, Issue: 06, June 2020, Page No.:2910-2924, **ISSN NO. (Online):2245-4586 (SCOPUS)**.

**SDP/FDP/MDP/Workshops:**

S.No	Name of Faculty	SDP/FDP/MDP/ Workshops	Organized Institution	Date(s)
1.	M Ravikishore	Latest Wireless And Computing Technologies (1 Week)	NITTR, Chandigarh	14 <sup>th</sup> to 18 <sup>th</sup> April 2020
2.	M Ravikishore	Tools For Online Teaching Learning Process (4 Weeks)	Dept.Of Pharmacy, Jalgaon	20 <sup>th</sup> April to 26 <sup>th</sup> May 2020

3.	M Ravikishore	Neural Network and CNN (1 week)	Nitrr, Chandigarh	20 <sup>th</sup> to 24 <sup>th</sup> April 2020
4.	M Ravikishore	"Managing Online Classes And Co-Creating Moocs" (2 Weeks)	Ramanujan College , University Of Delhi	20 <sup>th</sup> April to 6 <sup>th</sup> May 2020
5.	V Sai Anusha	Effective Online Engineering Education : Tips & Tricks	Ieee Sight, Ieee Banglore Section	26 <sup>th</sup> April 2020
6.	Jala Himabindhu	Effective Online Engineering Education: Tips & Tricks	Ieee, Bangalore	26 <sup>th</sup> April 2020
7.	Y Pavan Kumar Reddy	Advanced Simulation Tools for Electronics Engineers (1 week)	S.A Engineering College, Chennai	27 <sup>th</sup> April to 1 <sup>th</sup> May 2020
8.	V Sai Anusha	Advanced Simulation Tools for Electronics Engineers (1 week)	S.A Engineering College, Chennai	27 <sup>th</sup> April to 1 <sup>th</sup> May 2020
9.	Jala Himabindhu	Advanced Simulation Tolos For Electronics Engineering (1 Week)	S.A Engineering College, Chennai	27 <sup>th</sup> April - 5 <sup>th</sup> May 2020
10.	Y Pavan Kumar Reddy	Design And Implementation Of Dsp Using Xilinx (1 Week)	TechFLUENT Solutions Pvt. Ltd, Hyderabad	04 <sup>th</sup> to 08 <sup>th</sup> May 2020
11.	Dr. K. Shankar	NAAC Awareness Programme For Faculty (1 week)	Marathwada Mitramandals Institute Of Technology, Pune	08 <sup>th</sup> to 14 <sup>th</sup> May 2020
12.	Dr. K. Shankar	Online Teaching Etiquette And Best Practices (1 Week)	Santhiram Engineering College, Nandyal	10 <sup>th</sup> to 15 <sup>th</sup> May 2020
13.	M Ravikishore	NBA Accreditation of Engineering Programs (1 week)	NITTR, Chandigarh	11 <sup>th</sup> to 15 <sup>th</sup> May 2020
14.	Y Pavan Kumar Reddy	ICT Tools (1 week)	SVEC, Tirupathi in association with STP-IIT Bombay SVEC, Tirupathi	11 <sup>th</sup> to 16 <sup>th</sup> May 2020
15.	Dr.Fahimuddin Shaik	ICT Tools (1 week)	SVEC, Tirupathi in association with STP-IIT Bombay SVEC, Tirupathi	11 <sup>th</sup> to 16 <sup>th</sup> May 2020
16.	Jala Himabindhu	ICT Tools (1 week)	SVEC, Tirupathi in association with STP-IIT Bombay SVEC, Tirupathi	11 <sup>th</sup> to 16 <sup>th</sup> May 2020
17.	Dr. K Riyazuddin	ICT Tools (1 week)	SVEC, Tirupathi in association with STP-IIT Bombay SVEC, Tirupathi	11 <sup>th</sup> to 16 <sup>th</sup> May 2020

18.	V Sai Anusha	ICT Tools (1 week)	SVEC, Tirupathi in association with STP-IIT Bombay SVEC, Tirupathi	11 <sup>th</sup> to 16 <sup>th</sup> May 2020
19.	Dr. K. Shankar	Advanced Antenna Design Using Hfss (1 Week)	Santhiram Engineering College, Nandyal	12 <sup>th</sup> to 17 <sup>th</sup> May 2020
20.	Dr.Fahimuddin Shaik	Aicte Sponsored Hand-Son Workshop On Microchip (1 Day)	SVCE, Bengaluru	13 <sup>th</sup> May 2020
21.	Dr. K. Shankar	Artificial Intelligence (1 Week)	Santhiram Engineering College, Nandyal	13 <sup>th</sup> to 18 <sup>th</sup> May 2020
22.	Dr. K. Shankar	Insights Into Quality Research And Innovation (1 Week)	Vivekanandha College Of Engineering For Women, Tiruchengode	13 <sup>th</sup> to 20 <sup>th</sup> May 2020
23.	Jala Himabindhu	NBA Accreditation Process (1 day)	Snjbs College Of Engineering, Maharashtra	16 <sup>th</sup> May 2020
24.	Dr. K. Shankar	Emerging Technologies In Electronics And Communication Engineering (1 Week)	S V Engineering College, Tirupati	18 <sup>th</sup> to 22 <sup>th</sup> May 2020
25.	Y Pavan Kumar Reddy	Recent Trends in Electronics Industry (1 week)	Annamacharya institute of technology and sciences, RAJAMPET	18 <sup>th</sup> to 22 <sup>th</sup> May 2020
26.	V Sai Anusha	RECENT TRENDS IN ELECTRONICS INDUSTRY (1 week)	Annamacharya Institute of Technology and Sciences, Rajampet	18 <sup>th</sup> to 23 <sup>th</sup> May 2020
27.	Basivi Prasanthi	Recent Trends In Electronics Industry (Rtei-2020) (1 Week)	Aits Rajampet	18 <sup>th</sup> to 23 <sup>th</sup> May 2020
28.	Dr.K. Shankar	Recent Trends In Electronics Industry (Rtei-2020) (1 Week)	Aits Rajampet	18 <sup>th</sup> to 23 <sup>th</sup> May 2020
29.	Jala Himabindhu	Recent Trends In Electronics Industry (1 Week)	Aits,Rajampet	18 <sup>th</sup> to 23 <sup>th</sup> May 2020
30.	Y Pavan Kumar Reddy	Advances in Python (International, 1 week)	Chadalawada ranmanamaengineering college, Tirupathi	21 <sup>th</sup> to 27 <sup>th</sup> May 2020
31.	Basivi Prasanthi	Cyber Security (1 week)	Srinivasa Ramanujan Institute of Technology(Autonomous), Anantapur	23 <sup>th</sup> to 27 <sup>th</sup> May 2020

32.	Dr. K. Shankar	Matlab Applications In Process Simulation And Control (2 Days)	Sri Venkateswara College Of Engineering, Sriperumbudur	23 <sup>th</sup> to 24 <sup>th</sup> May 2020
33.	Dr. K Riyazuddin	Network Simulation And Protocol Analysis Using Ns2 Nsg 2.1 And Wireshark (3 Days)	Narasimha Reddy Engineering College, Secunderabad	23 <sup>th</sup> to 25 <sup>th</sup> May 2020
34.	M.Venkata dasu	Recent Trends, Advancements and Applications of Communication Technologies (1 week)	CMR Technical campus, Hyderabad	25 <sup>th</sup> to 29 <sup>th</sup> May 2020
35.	V Sai Anusha	Recent Trends, Advancements and Applications of Communication Technologies (1 week)	CMR Technical campus, Hyderabad	25 <sup>th</sup> to 29 <sup>th</sup> May 2020
36.	Dr. K. Shankar	R Programming (1 Week)	Sree Vidyanikethan Engineering College Tirupati	25 <sup>th</sup> to 29 <sup>th</sup> May 2020
37.	Y Pavan Kumar Reddy	Drone Workshop (4 Days)	Sreenidhi Educational Group, Hyderabad	26 <sup>th</sup> to 29 <sup>th</sup> May 2020
38.	Dr. K. Shankar	Design Of Drones (4 Days)	Sreenidhi Educational Group, Hyderabad	26 <sup>th</sup> to 29 <sup>th</sup> May 2020
39.	Dr. K Riyazuddin	Design Of Drones (4 Days)	Sreenidhi Educational Group, Hyderabad	26 <sup>th</sup> to 29 <sup>th</sup> May 2020
40.	Jala Himabindhu	Research Topics in VLSI and Industry Trends (3 days)	GMR Institute of Technology, Rajam	29 <sup>th</sup> to 31 <sup>st</sup> May 2020
41.	V Sai Anusha	Research Topics in VLSI and Industry Trends (3 days)	GMR Institute of Technology, Rajam	29 <sup>th</sup> to 31 <sup>st</sup> May 2020
42.	Dr. K. Shankar	Research Topics In VLSI and Industry Trends (3 Days)	GMR Institute of Technology, Rajam	29 <sup>th</sup> to 31 <sup>st</sup> May 2020
43.	Dr. K. Shankar	AI and IOT for Medical Applications	GMR Institute of Technology, Hyderabad	1 <sup>st</sup> to 3 <sup>rd</sup> June 2020
44.	Dr. Fahimuddin Shaik	Faculty Development Program on Cyber Security	Bapatla Engineering College, Bapatla	2 <sup>nd</sup> to 6 <sup>th</sup> June 2020
45.	Dr. K. Shankar	Emerging Technologies in Electronics and Communication Engineering and Computing	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai	4 <sup>th</sup> to 6 <sup>th</sup> June 2020



46.	V Sai Anusha	Recent Trends in Communication and Wireless Networks	KKR & KSR Institute of Technology and Sciences, Guntur	5 <sup>th</sup> to 9 <sup>th</sup> June 2020
47.	Basivi Prasanthi	Recent Trends in Communication and Wireless Networks	KKR & KSR Institute of Technology and Sciences, Guntur	5 <sup>th</sup> to 9 <sup>th</sup> June 2020
48.	Dr. K. Shankar	Recent Trends in Communication and Wireless Networks	KKR And KSR Institute of Technology and Sciences, Guntur	5 <sup>th</sup> to 9 <sup>th</sup> June 2020
49.	Dr. K. Shankar	Technologies for Healthcare	GMR Institute of Technology, Rajam	8 <sup>th</sup> to 10 <sup>th</sup> June 2020
50.	M Ravikishore	Cyber Security	NITTR , Chandigarh	8 <sup>th</sup> to 19 <sup>th</sup> June 2020
51.	M Ravikishore	Course Structuring	MREC, Hyderabad	11 <sup>th</sup> to 17 <sup>th</sup> June 2020
52.	Dr. K. Shankar	Digital Image Processing Using SCILAB	Adhiparasakthi College Of Engineering, Kalavai, Ranipet	15 <sup>th</sup> to 16 <sup>th</sup> June 2020
53.	V Sai Anusha	Smart Applications Development Using IOT-Arduino	Vaaggeswari College of Engineering, Karimnagar	17 <sup>th</sup> to 19 <sup>th</sup> June 2020
54.	Dr. K. Shankar	Smart Applications Development Using IOT-Arduino	Vaaggeswari College of Engineering, Karimnagar	17 <sup>th</sup> to 19 <sup>th</sup> June 2020
55.	Y Pavan Kumar Reddy	Cyber Security	Sreyas Institute of Engineering and Technology, Hyderabad	19 <sup>th</sup> to 24 <sup>th</sup> June 2020
56.	V Sai Anusha	Disruptive Technologies In Electronics and Communications	Vidya Jyothi Institute of Technology (Autonomous), Hyderabad	22 <sup>nd</sup> to 27 <sup>th</sup> June 2020
57.	Dr. K. Shankar	Disruptive Technologies In Electronics and Communications	Vidya Jyothi Institute of Technology, Hyderabad	22 <sup>nd</sup> to 27 <sup>th</sup> June 2020
58.	Basivi Prasanthi	Disruptive Technologies In Electronics and Communications	Vidya Jyothi Institute of Technology, Hyderabad	22 <sup>nd</sup> to 27 <sup>th</sup> June 2020
59.	Basivi Prasanthi	Time Triggered Architectures	Brindavan Institute of Technology and Science, Kurnool	24 <sup>th</sup> June 2020
60.	Dr. K Riyazuddin	Time Triggered Architectures	Brindavan Institute of Technology and Science, Kurnool	24 <sup>th</sup> June 2020

61.	Dr. K. Shankar	Time Triggered Architectures	Brindavan Institute Of Technology And Science, Kurnool	24 <sup>th</sup> June 2020
62.	M Ravi kishore	Current Research Trends in Electronics & Communication Engineering	RGMCE, Nandyal	29 <sup>th</sup> June to 3 <sup>rd</sup> July 2020
63.	Dr. K. Shankar	Recent Trends in Photonics	Dayananda Sagar University, Bengaluru	30 <sup>th</sup> June to 3 <sup>rd</sup> July 2020

**Patents:**

S.NO	Name of Applicant(s)	Name of other Inventor(s)	Title of the Invention	Application No	Date of Filing	Publication Date
1.	Dr.K.Prasad	Dr.K.Prasad	System for Walking Assistance Device for Visually Impaired Person Using Machine Learning	202041007351	20/02/2020	28/02/20
2.	N.BalaDastagiri M. Ravi Kishore Y. Pavan Kumar Reddy G. SudhaKiran S. Fayaz Begum G. Obulesu	N.BalaDastagiri M. Ravi Kishore Y. Pavan Kumar Reddy G. SudhaKiran S. Fayaz Begum G. Obulesu	Method For Analyzing The Weather Monitoring And Notification System	202041008891	02/03/2020	06/03/20
3.	Dr.Fahimuddin Shaik Dr.T.Karthikeyan	Dr.Fahimuddin Shaik Dr.T.Karthikeyan Dr.K.Shankar	Computer-Implemented System For Analyzing Human Brain Images Using Functional Imaging Data	202041011316	16/03/2020	27/03/20

### **Books published:**

<b>S.No</b>	<b>Author</b>	<b>Title of the Book/Chapter book</b>	<b>Publisher</b>	<b>ISBN No.</b>	<b>Date of Published</b>	<b>Academic Year</b>
1.	Dr.FahimuddinShaik Dr.K.Riyazuddin	Image Processing- Algorithms And Applications	Orange Books Publication	978-81-945405-7-1	May 2020	2019-2020

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