

## DEPARTMENT OF ECE

### A HALF-YEARLY NEWSLETTER

AY: 2020-21	July-Dec	Vol. 13	Issue - 1
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# **ADITYA**

Institute of Technology and Management  
(An autonomous institution)

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# **ADVITYA 2K20**

## **ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI (AUTONOMOUS)**

### **Department of Electronic and Communication Engineering**

#### **Vision of the Institute:**

To evolve into a premier engineering institute in the country by continuously enhancing the range of our competencies, expanding the gamut of our activities and extending the frontiers of our operations.

#### **Mission of the Institute:**

Synergizing knowledge, technology and human resource, we impart the best quality education in Technology and Management. In the process, we make education more objective so that the efficiency for employability increases on a continued basis.

#### **Vision of the Department:**

Create high-quality engineering professionals through research, innovation and teamwork for a lasting technology development in the area of Electronics and Communication Engineering.

#### **Mission of the Department:**

1. To offer a well-balanced Program of instruction, lab practices, research & development activities, product incubation.
2. Develop accomplished technical personnel with a strong background on fundamental and advanced concepts, have excellent professional conduct.
3. Enhance overall personality development which includes innovative and group work exercises, entrepreneur skills, communication skills and employability.
4. Ensuring effective teaching–learning process to provide in-depth knowledge of principles and its applications pertaining to Electronics & Communication Engineering and interdisciplinary areas.
5. Providing industry and department interactions through consultancy and sponsored research.

### **Message from Dr. K. Someswara Rao, CHAIRMAN**



At AITAM, we are committed to excellence in everything we do. We strive to mould the students in balancing intellectual and practical skills to become leaders in all the fields of Technical know-how and Management. We have created the finest facilities for the students to make the most of their scholastic pursuits. We are closely aligned with the corporate world which ensures exchange of ideas and experiences that keep our curricula focussed on current developments and challenges in the field of engineering. We are firmly committed to research and consulting activities to contribute to the development of the discipline of engineering. Our vitality lies in our spirit of innovation. Our strength lies in our pragmatic approach. Our success lies in our will to do.

### **Message Sri L.L. Naidu, SECRETARY**



Aditya Institute of Technology and Management is founded to meet the increasing demand for competent engineering graduates. Within a short span of its inception, AITAM has grown to be a premier engineering college of its kind and has won laurels and kudos from the industry. The faculty and staff in AITAM are dedicated to providing first-class education that instils strong and potent basic knowledge for sound practice in science and engineering for the well-being of the society. The Institute offers curricula that nurtures creative thinking and prepares students for productive and rewarding careers. The Institute offers programmes that deepen learning experiences of our students and prepare them for successful careers as engineers.

### **Message from Prof. V.V. Nageswara Rao, DIRECTOR**



Engineering education at AITAM is indeed a rewarding intellectual experience. The Institute prepares the engineering professionals of tomorrow imbued with insight, imagination and ingenuity to flourish as successful engineers. Our programs are attuned to the needs of the changing times. The classrooms are ultra-modern; the library and labs are cutting-edge; and all the members of the faculty are workaholic professionals and masters in their fields. Not surprisingly, our students are recruited by such renowned organizations as HCL, Satyam, WIPRO, INFOSYS, TCS, Visual Soft, Innova-Solutions and InfoTech. The exceptional dedication of our students, faculty and staff, and our collaborations with Industry and other institutions ensure that the Institute is well-poised to create a unique niche in the horizons of engineering education.

### **Message from Dr. A. S. Srinivasa Rao, PRINCIPAL**



It is only through knowledge that man attains Prosperity. Prosperity has to expand or grow to become excellence. The road to excellence is toughest, roughest and steepest in the universe. The world requires and honours only excellence. Excellence has to be acquired from wisdom and intelligence to establish innovation. Promotion of innovation is the new role of education. It is only through innovative thinking the present and the future challenges can be addressed to find dynamic solutions. Technology, a part of excellence, is helpful in removing poverty from the world. According to the statistics 40% of the world's poor are in India. Solution to this challenge relies on Technocrats with confidence and self-reliance. AITAM is the pioneering platform for this expected output. The institution mends the students in building character, strengthening mind, expanding intellect and establishing the vision with a new perspective. The student of AITAM is prepared through rigorous training that makes him to stand on his own feet to lead a prosperous career and life.

### **Message from Dr. D YUGANDHAR, H.O.D of ECE**



Aditya Institute of technology and management (AITAM) is one among the reputed engineering colleges imparting finest quality education. The department of Electronics and Communication Engineering was established in the year 2001. The department has experienced and well qualified faculty members, well equipped laboratories such as Digital Signal Processing Laboratory, Communication and Microwave Engineering Laboratory, VLSI Design Laboratory, Microprocessor Laboratory and Antenna Design/ Simulation Laboratory etc. Our aim is to produce graduates capable of effectively using professional skills with values for betterment of society and to meet the varying demands of industry and research environment. Our department has a fine blend of a team of qualified and experienced faculty. We are committed to give our students an outcome based education through outcome based teaching and learning process which provides them an environment to develop critical thinking and problem-solving skills as they advance through the programme. The faculty and students are associated with memberships of professional bodies such as Institution of Electronics and Telecommunications Engineering (India), Institution of Engineers (India), Indian Society for Technical Education. Our students earned name and fame all over the globe and rendering best of their services to topmost companies. We as a team resolve to take the department to heights of success and prepare our students for future challenges. The activities like Expert Lectures, Site Visits, Technical Events, Sports and Cultural Events, Soft Skills etc widens their horizon and avert them from being monotonous with academics. To conclude, the department catalyzes and assures a very healthy, amicable but a competitive ambience for our future engineers.

## Faculty Achievements

1. Dr.B. Rama Rao Prof, Dr Karedla Chitambara Rao Assocs.Prof published a paper titled **An 8x1Sierpinski Carpet Fractal linear Array Antenna design for Multiband Applications Journal of University of Shanghai for Science and Technology Volume 22, Issue 11, November - 2020,pages:1609-1622 ISSN: 1007-6735**
2. **Eppili Jaya** Assist.Prof published a paper titled A Particle Fuzzy Decisive Framework for Moving Target Detection in the Multichannel SAR Framework International Journal of Computational Intelligence and Applications, World Scientific Publishers Vol. 19, No. 4, 2050032-1 to 2050032-24 & 24 October 2020 1469-0268 | ISSN (online): 1757-5885
3. **D. Chiranjeevulu** Assist.Prof published a paper titled SECURE MEDICAL DATA TRANSMISSION MODEL FOR IOTBASED HEALTHCARE SYSTEMS Mukta Shabd Journal Volume IX, Issue IX, SEPT/2020 2347-3150
4. Dr. P. Sirish Kumar, Assist.Prof, published a paper titled HYBRID ALGORITHM BASED ON KALMAN FILTER AND CROSS CORRENTROPY FOR GPS RECEVIER POSITION AUGMENTATION International Research Journal of Engineering and Technology (IRJET) Volume: 07 Issue: 09,Page:343-346 e-ISSN: 2395-0056
5. Dr. P Sirish Kumar Assist.Prof, published a paper titled Noise removal in long term ECG signals using EMD based threshold method Interpretation of Statistical Errors for Precise GPS Communication Software and Networks, SPRINGER Vol.No:134, Page No: 415-423 ISSN : 2367-3370
6. P Sirish Kumar Assist.Prof, published a paper titled A Mutual Extension to Kalman Filter for Interpretation of the GPS Ambiguities Journal of Applied Science and Engineering Vol. 24, No. 1, Page 73-75 ISSN:1560-6686
7. Y.SRINIVASARAO Assist.Prof, published a paper titled Hybrid Dragonfly with Electric Fish Optimization-Based Wireless Personal Communications,SPRINGER
8. Dr. G. Sateesh Kumar. Prof , published a paper titled Enhancing the Energy Efficiency in Wireless Sensor Network Using Extended S-MAC (ES-MAC) Protocol Turkish Journal of Computer and Mathematics Education Vol.11 No.3 (2020), 911-926
9. Dr. M. N. V. S. S. Kumar Assocs.Prof published a paper titled Skin cancer detection and classification using machine learning Materials today Proceedings, Elsevier Volume 33, Part 7, 2020, Pages 4266-4270 2214-7853 2214-7853
10. Dr. M. N. V. S. S. Kumar Assocs.Prof published a paper titled Designing of wireless sensor nodes for providing good quality drinking water to the public Materials today Proceedings, Elsevier Volume 33, Part 7, 2020, Pages 4250-4254 2214-7853 2214-7853
11. Dr. M. N. V. S. S. Kumar Assocs.Prof published a paper titled Detection and analysis of Alzheimer's disease using various machine learning algorithms Materials today Proceedings, Elsevier In Press (Accepted on 10 September 2020) 2214-7853
12. Dr. M. N. V. S. S. Kumar Assocs.Prof published a paper titled A Compact Grounded Asymmetric Coplanar Strip-Fed Flexible Multiband Reconfigurable Antenna for Wireless Applications IEEE Access ( IF 3.745 ) Vol. 8, Pg. No. 194497 - 194507, 26 October 2020 2169-3536
13. Dr. M. N. V. S. S. Kumar Assocs.Prof published a paper titled Enhancing the spectral efficiency and energy efficiency of underwater channel communication by optimal cooperative spectrum sensing using hybrid optimization International Journal of Communication Systems, Wiley Vol. 33, Issue. 11, 1-24, 25 July, 2020 1099-1131

14. Dr. M. N. V. S. S. Kumar Assoc.Prof presented a paper titled Online Ocean Monitoring using Edge IoT OCEANS 2020 Singapore, 5th - 30th October, 2020
15. Dr. M. N. V. S. S. Kumar Assoc.Prof presented a paper titled Design of Underwater Software Acoustic Modem (USAM) for the Applications of Acoustic Data Communication OCEANS 2020 Singapore, 5th - 30th October, 2020
16. Dr.B. Rama Rao Prof, personated a paper titled Impact of SRR on Defected Metallic Antenna for Biomedical and Wireless Applications NECACAC-2020 Pragathi college of engineering,kakinada,28/11/20
17. Dr. G. Sateesh Kumar. Prof , published patent on MULTI-WATCHDOG BASED INTRUSION DETECTION SYSTEM USING HIDDEN WATCHDOGS IN RANDOM WIRELESS SENSORS NETWORKS 30/10/2020, 55379
18. Dr. G. Sirish Kumar. Asst Prof , published patent on ANT- VEHICLE SPEEDING DETECTION: AUTOMATIC VEHICLE SPEEDING DETECTION, NOTIFICATION AND TRACKING SYSTEM. 24/11/2020
19. P Krishna Rao Asst.Prof , published patent on ANT- VEHICLE SPEEDING DETECTION: AUTOMATIC VEHICLE SPEEDING DETECTION, NOTIFICATION AND TRACKING SYSTEM. 24/11/2020
20. Dr. Kiran Kumar Patro, Assist.Prof published patent on Breather Bag Controlling System and Method for maintaining pressure in controlled atmosphere 11-12-2020
21. Dr. Kiran Kumar Patro, Assist.Prof published patent Vehicle speeding detection: Automatic vehicle speeding detection, notification and tracking system 04-12-2020
22. Dr.B.Ramarao, Prof,M.Balakrishna Asst.Prof published patent on CORONA VIRUS DETECTION 5-G MOBILE APP: AN APP WHICH ENABLES A MOBILE PHONE TO DETECT THE CORONA VIRUS” 03/07/2020,
23. Dr.B.Ramarao, Prof,M.Balakrishna Asst.Prof published patent on DESIGN AND DEVELOPMENT OF PLANARMICROSTRIP ANTENNA FOR WIRELESS SENSOR NETWORKCOMMUNICATION 04/09/2020,

## **FDP Attended by the faculty**

### **S. Umamaheswararao**

1. AICTE SPONSORED STTP-1 on Antenna Design and Analysis using Mathematical Solvers on 27th July-01 Aug 2020
2. AICTE SPONSORED STTP-2 on Antenna Design and Analysis using Mathematical Solvers on 7th -12th September 2020
3. AICTE SPONSORED STTP-3 on Antenna Design and Analysis using Mathematical Solvers on 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020

### **KAMESWARA RAO PEDADA**

1. AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
2. AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
3. AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
4. Nanoelectronics Devices and Circuits Design 06/07/2020 to 10/07/2020

### **Chaitanya Kumar Marpu**

1. AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
2. AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
3. AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
4. Microchip Academy Educator Training Program 20/12/2020 to 22/12/2020

**Dr.G. Sateesh Kumar**

1. Machine Learning and its Applications on 18th Dec to 22nd Dec 2020
2. AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
3. AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
4. AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
5. Global Navigation Satellite Systems (GNSS) on 18th Dec to 22nd Dec 2020

**Dr. Harihara Santosh Dadi**

1. Design and Simulation of Miniature Antenna for IoT Applications (DMAIA – 2020) 23rd to 28th November, 2020
2. AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
3. AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020

**Dr.GSSSSV Krishna Mohan**

1. AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
2. AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
3. AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
4. Perspectives of AI Applications on 27th July to 01st Aug, 2020
5. Simulation and Modeling of Data Communications & Networks on 27th to 31st July, 2020
6. Scilab – A practical approach on 23rd to 25th July, 2020
7. Challenges and Research Opportunities in the area of Communication & Signal Processing 20th to 24th July, 2020
8. Recent Advances in Biomedical Applications and communication Networks 13th to 18th July, 2020
9. Future Nano Electronic Devices & Circuits 6th to 10th July, 2020

**V.Lokesh Raju**

1. AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
2. AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
3. AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020

**P KRISHNA RAO**

1. AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020



- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
- 4 Communication, VLSI, Image processing and Design of Antennas (COVID) 3rd sep 2020 to 4th sep 2020
- 5 Accelerating Research 27th Aug 2020 to 29th Aug 2020
- 6 Synthesis Characterization and Its Applications of Nanomaterials 24th Aug 2020 to 29th Aug 2020
- 7 Technologies for Teaching Learning Pedagogy 6th Aug 2020 to 9th Aug 2020
- 8 Technologies with Social Relavance 27th Jul 2020 to 1st Aug 2020
- 9 Antenna design and Analysis using mathematical solvers 27th Jul 2020 to 1st Aug 2020
- 10 Recent Advances in Bio Medical Applications and Communication Networks 13th Jul 2020 to 18th Jul 2020
- 11 Role of Academia in Sustainable Development 25th Jun 2020 to 8th Jul 2020
- 12 An Insight Into Revised Accreditation Framework of NAAC 1st Jul 2020 to 6th Jul 2020

**Dr Kiran Kumar Patro**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020

**D.V.L.N.Sastry**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
- 4 Nanoelectronics Devices and Circuits Design 06/07/2020 to 10/07/2020

**Smt. Eppili Jaya**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
- 4 Overcome Your Mental Barriers-Unleash Your Inner Potential on 1st July to 5th July 2020
- 5 AI and Deep Learning on 1st July to 28th July 2020
- 6 Machine Learning and its Applications on 4th July to 8th July 2020
- 7 Recent Advances in Biomedical Applications and Communication Networks on 13th July to 18th July 2020

**Dr.K.Venkata Lalithabhavani**

- 1 Information Security and privacy in cyber space 27th July to 31st July 2020
- 2 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 3 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020



- 4 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020

**LAXMI VANDANA**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
- 4 Digital and Analog VLSI Design 3thAug-08 Aug 2020
- 5 Nanoelectronics Devices and Circuits Design 06/07/2020 to 10/07/2020

**Dr.P.SIRISH KUMAR**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
- 4 VLSI & EMBEDDED SYSTEMS DESIGN FOR AEROSPACE & DEFENCE APPLICATIONS 10<sup>th</sup>Aug-14 Aug 2020

**M.Balakrishna**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 4 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
- 5 Recent Trends in Internet of Things, Industry 4.0 and Machine Learning 11th-15<sup>th</sup> August, 2020
- 6 AI and Deep Learning 1st July 2020 to 28th July 2020
- 7 Communication,Vlsi,Image processing and design of antenna 03.09.20-04.09.20'
- 8 Research Opportunities in Image Processing and Machine Learning 29th June to 03rd July 2020
- 9 Advanced Communication Laboratory July 22-24,2020
- 10 Perspectives of AI applications 1. 27.07.20 to 01.08.20.
- 11 Recent advances in biomedical applications and communication networks 13-18 july 2020
- 12 Satellite Photogrammetry and its Application 29-06-2020 to 03-07-2020

**A JAYALAXMI**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
- 4 Digital and Analog VLSI Design 3thAug-08 Aug 2020
- 5 Nanoelectronics Devices and Circuits Design 06/07/2020 to 10/07/2020
- 6 Recent Advances in Bio Medical Applications and Communication Networks on 13/07/2020 to 18/7/2020

7 Fragnace of signal processing 10/07/2020 to 14/7/2020

### **JALLU SWATHI**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020
- 4 Digital and Analog VLSI Design 3thAug-08 Aug 2020
- 5 Nanoelectronics Devices and Circuits Design 06/07/2020 to 10/07/2020

## **FDP organized by the faculty**

**Dr.A.S.Srinivasa rao,Dr.B.Ramarao,Dr.K.Chitambara rao,M.Balakrishna**

- 1 AICTE SPONSORED one week online STTP-1 on Antenna Design and Analysis using Mathematical Solvers 27th July-01 Aug 2020
- 2 AICTE SPONSORED one week online STTP-2 on Antenna Design and Analysis using Mathematical Solvers 7th -12th September 2020
- 3 AICTE SPONSORED one week online STTP-3 on Antenna Design and Analysis using Mathematical Solvers 29<sup>th</sup> OCT-03<sup>rd</sup> NOV 2020

### **Webinar attended by faculty**

**Pendyala v.muralidhar**

15th SEPT 2020 on National Education Policy 2020 AITAM

7h sep, 2020-12 th sep.2020 on Antenna and analysis using mathematical solvers AITAM

29th oct., 2020-3 rd.Nov..2020 on Antenna and analysis using mathematical solvers AITAM

**G. Sateesh Kumar**

15th Sept, 2020 on Challenges in Good learning and assessment - post COVID 19 AITAM

09th Aug, 2020, on Preparation of Quality Journal Papers and Book Chapters AITAM

**Dr. Harihara Santosh Dadi**

15th September 2020 National Education Policy 2020 – What is it that we can do?AITAM,

5th September 2020 Challenges in Good Learning and Assessment – post COVID 19 AITAM,

9th August 2020 on Preparation of Quality Journal Papers and Book ChaptersAITAM, TEKKALI

**GSSSSV Krishna Mohan**

15th Sept, 2020 National Education Policy 2020 - What is it that we can do?AITAM

05th Sept, 2020 on Challenges in Good learning and assessment - post COVID 19 AITAM

09th Aug, 2020 Preparation of Quality Journal Papers and Book Chapters AITAM

15th Aug, 2020 Making Education Relevant International Chamber for Services Industry

29th July, 2020 Webinar on History and Future of Radar St.Joseph's Institute of

Technology, Chennai

27th July, 2020 Impact of Covid19 on The Development of Rural Economy - Challenges and Opportunities Lead India Foundation (USA), JNTUA Ananthapuramu

27th July, 2020 Biomedical Signal Processing in Electrophysiology and Occulography using Machine Learning Methods St.Joseph's Institute of Technology, Chennai

23rd July, 2020 Energy-Efficient Data Collection in Cellular IoT Networks St.Joseph's Institute of Technology, Chennai

22nd July, 2020 Recent Trends in Autonomous Robots K.J.S. Institute of Engineering and Information Technology, Mumbai

19th July, 2020 National Level Webinar on IoT K.J.S. Institute of Engineering and Information Technology, Mumbai

18th July, 2020 Webinar on Artificial Intelligence St.Joseph's Institute of Technology, Chennai

15th July, 2020 3D Printing: The Key to 4th Industrial Revolution K.J.S. Institute of Engineering and Information Technology, Mumbai

14th July, 2020 Virtual Reality St.Joseph's Institute of Technology, Chennai

11th July, 2020 Applications of Artificial Intelligence to Biosignal Analysis BSARC Institute of Science & Technology, Deemed to be University

7th July, 2020 National Level Webinar on Art of Teaching GVP College of Engineering

4th July, 2020 National Webinar on Protection of Inventions and Patent Rights Govt. Kaktiya PG College & Govt.TCL PG College, Chattisgarh

1st July, 2020 Outcome Based Education and Accreditation post Covid ASM Group of Institutes

#### **V.Lokesh Raju**

27th July 2020 Impact of COVID-19 on the Development of Rural Economy-Challenges and Opportunities JNTUA, Ananthapuramu

15th Sep 2020 National Education Policy 2020- What is it that we can do? AITAM, Tekkali

#### **P KRISHNA RAO**

15th Sep 2020 "National Education Policy 2020-what is that we can do?" AITAM, TEKKALI

5th Sep 2020 Challenges in good learning and assessment-post COVID-19 AITAM, TEKKALI

31st Aug 2020 How to use google classroom as a learning tool WELFARE ISTITUTE

9th Aug 2020 Preparation of quality Journal papers and Book chapters AITAM, TEKKALI

1st Aug 2020 I Change the world, I am an Engineer RAGHU Clg, VSP

30th Jul 2020 IoT 2020 challenges St Peter's Engg College, Hyd

27th Jul 2020 Impact of COVID - 19 on the development of Rural economy-challenges and opportunities JNTUA, ANANTHAPUR

25th Jul 2020 Optical Communication APSSDC, AP

25th Jul 2020 Introducing Software life cycle V model St Joseph's Institute, Chennai association with IEEE RAS society

23rd Jul 2020 Energy Efficient Data Collection in Cellular IoT Networks St Joseph's Institute, Chennai association with IEEE Photonics society

14th Jul 2020 Virtual reality St Joseph's Institute, Chennai association with IEEE EMBS society

#### **Dr.Kiran Kumar Patro**

5th SEPT 2020 Challenges in good learning and assesment post covid-19 AITAM

15th SEPT 2020 National Education Policy 2020 AITAM

#### **Smt. Eppili Jaya**

Knowledge 4.0, Technical Webinar Series 1 st July 2020 Methods and mechanism of CO2 and H2 adsorption in Metal-Organic frameworks Chennai Institute of Technology, Sarathy Nagar, Chennai

11 th July 2020 Applications of Artificial Intelligence to Biosignal Analysis B.S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY

25 th July 2020 Latest trends in Radar Signal Processing and its Applications Visakha Institute of Engineering and Technology, Visakhapatnam

GLOBAL WEBINAR 27 th July 2020 IMPACT OF COVID19 ON THE DEVELOPMENT OF RURAL ECONOMY - CHALLENGES AND OPPORTUNITIES Lead India Foundation (USA) in association with JNTUA Ananthapuramu

9th August 2020 Preparation of quality journal papers and book chapters AITAM, Tekkali

05th September, 2020 Challenges in Good learning and assessment - post COVID 19 AITAM, Tekkali

15th September, 2020 National Education Policy 2020 - What is it that we can do? AITAM, Tekkali

08th November 2020 Boosting Immunity through Holistic Healthcare Lead India Foundation (USA) in association with JNTUA Ananthapuramu

#### **K.Venkata Lalithabhavani**

GLOBAL WEBINAR 27 th July 2020 IMPACT OF COVID19 ON THE DEVELOPMENT OF RURAL ECONOMY - CHALLENGES AND OPPORTUNITIES Lead India Foundation (USA) in association with JNTUA Ananthapuramu

9 th August 2020 Preparation of quality journal papers and book chapters AITAM, Tekkali

05th September, 2020 Challenges in Good learning and assessment - post COVID 19 AITAM, Tekkali

15th September, 2020 National Education Policy 2020 - What is it that we can do? AITAM, Tekkali

08th November 2020 Boosting Immunity through Holistic Healthcare Lead India Foundation (USA) in association with JNTUA Ananthapuramu

07th December 2020 AICTE's Leelavati's award AICTE

#### **LAXMI VANDANA**

October 17th 2020 "Environmental Sustainability Through Green Technologies: Present & Future" Jhargram Raj College Physics Alumni Association (JRCPAA)

18th to 20th July-2020. "Recent Trends in VLSI Design & Fabrication Technology" QUBA College of engg, SPSR Nellore

25-Jul-20 Virtual and augmented reality in education GMRIT, Rajam

#### **P.SIRISH KUMAR**

"10th November 2020" PLAGIARISM IN RESEARCH Anjuman Institute of Technology and Management, Karnataka

"15th September 2020" NATIONAL EDUCATION POLICY 2020-WHAT IS THAT WE CAN DO? AITAM

5th September 2020" CHALLENGES IN GOOD LEARNING AND ASSESSMENT-POST COVID 19 AITAM

#### **M.Balakrishna**

15th September, 2020 "National Education Policy 2020 - What is it that we can do?" AITAM

05th September, 2020 "Challenges in Good learning and assessment - post COVID 19" AITAM

15th & 16th July 2020 Empathy and creativity The oxford college of engineering, Bengaluru (online mode)

## Workshops attended by faculty

1. Dr. G. Sateesh Kumar attended Workshop Communication, VLSI, Image processing and Design of antennas, Sep 03-04, 2020 UCEV, JNTUK Vizianagaram.
2. Dr Kiran Kumar Patro attended Workshop One day Workshop on Simulation of smart home using CISCO packet tracker IIIT Kottayam, 29th July
3. Smt. Eppili Jaya attended Five Day online Workshop Python Programming 360 DigiTMG,INDIA, 3rd Aug to 7th Aug 2020
4. P.SIRISH KUMAR attended WORKSHOP FIGHT COVID-19 USING “IOT” GVP COE for Women, Visakhapatnam, 6th -10th July, 2020
5. Chiranjeevulu Divvala attended FDP Online Library and Information Center, P. E. S. College of Engineering, 30-03-2021 to 03-04-2021

## NPTEL COURSES DONE BY FACULTY

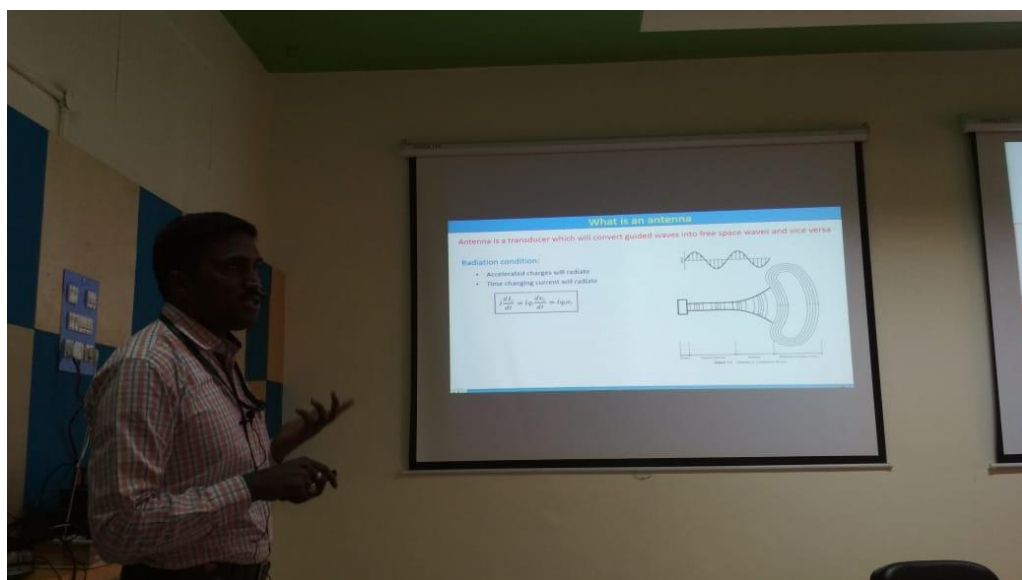
S.No.	Name of the faculty	Name of the NPTEL course registered	Certificate awarded:Elite+Gold/Elite/Successful completion etc.	Duration of the course (in Weeks)
1	Ms. Vandana Laxmi		Gold medal	8

## Guest lecture

1. Sri. A Rajesh gave a guest lecture on wireless communication



2. Sri. Dr.K. Ranga Rao gave a guest lecture on patch antenna



3. Dr. S. Ramarao gave a guest lecture on Faculty development



## EXTENSION ACTIVITIES

### Programme 1

**Activity name :** Food ball

**Date :** 09-11-2019



### **Brief report:**

As a part of college level football championship at LBRC Millavaram students got a first place

### **Programme 2**

**Activity Name :** Free Dental check up

**Date** : 28-12-2019





### **Brief report:**

As a part of health check-up, a free dental check-up camp was successfully organized in the college campus by Dr. J.Bala Prasad dental hospital, Tekkali. The camp was conducted for drivers, sweepers and students.

No of students attended : 300

No of Faculties attended : 20

## **Editorial Board**

### **STAFF:**

P.Kameswara Rao

### **STUDENTS:**

K.Santhosh Kumar, II- ECE-C

P.Sandeep, III-ECE-C

L.Sravni, IV- ECE-B



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