



# SENSETRONICS

• NEWS LETTER •

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**ADITYA ENGINEERING COLLEGE (A)**  
APPROVED BY AICTE NEW DELHI AND AFFILIATED TO JNTU KAKINADA

## **ABOUT THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

The department of Electronics and Communication Engineering at Aditya strives to produce highly competent engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration and established as one of the major departments of the institute.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting-edge technologies with regular publications in Springer, Elsevier and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni.

The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities.

### **VISION OF THE DEPARTMENT**

- To become a centre of excellence in the field of Electronics and Communication Engineering with technological capability, professional commitment and social responsibility.

### **MISSION OF THE DEPARTMENT**

- Provide quality education, well-equipped laboratory facilities and industry collaboration.
- Promote cutting edge technologies to serve the needs of the society and industry through innovative research.
- Inculcate professional ethics and personality development skills.

## FACULTY PUBLICATIONS: JOURNALS

| S. No | Authors  | Title of the research paper   | Name of the journal  | Name of the Publisher/ ISSN Number | Year of publication | Impact factor |
|-------|--|---|--|------------------------------------|---------------------|---------------|
| 1     | Ms. Y. Leela Madhuri,<br>Ms. Md. Nafeesa Begum,<br>Mr. B. Srinivas           | Performance analysis of Fused Add-Multiply (FAM) architectures  | ADALYA Journal   | 1301-2747                          | 9-Dec 2020          | WOS           |
| 2     | Ms G. Nitya Sumanvika,<br>Mrs. P. Krishna Veni                               | Utility Impact Study of Bionic Communication System   | ADALYA Journal   | 1301-2747                          | 9-Dec 2020          | WOS           |
| 3     | Mr. P. Bhavana Varma,<br>Mr. R.Dheeraj,<br>Mr. N.Abhitej,<br>Mr. B. Srinivas | Development of FFT Processor: A Succinct Study  | Studia Rosenthaliana   | 1781-7838                          | 12-Dec 2020         | WOS           |
| 4     | Dr. N. R. Dhineshbabu  | Study of the magnetic properties of Mn-doped iron titanate nanoparticles fabricated using natural mineral | Micro and Nano Letters   | 1750-0443                          | 16-Jan 2021         | SCIE/S COPUS  |
| 5     | Dr. Songhita Misra,<br>Dr. G. Sridevi  | Modeling a Virtual Bare-Hand Interface System Using a Robust Hand Detection Approach for HCI              | International Journal of Pattern Recognition and artificial Intelligence | 1793-6381                          | 35/ Jan2021         | SCIE/S COPUS  |

## CONFERENCES

| S. No | Authors  | Title of the research paper  | Conference Details  |
|-------|--|--|---|
| 1     | D. Sundhari, N.R. Dhineshbabu, S. Sutha, M.E. Raja Saravanan | Encapsulation of bioactive agent (Curcumin, Moringa) in electrospun nanofibers - Some insights into recent research trends | 2nd International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering, Nitte, Karnataka, India SME 2020, 20-23 Dec 2020 |
| 2     | Dr. N. Radha   | A Slant Transform and $\hat{A}$ Diagonal Laplacian Based Fusion Algorithm  | International Conference on Computer Vision, High Performance Computing, Smart  |



|   |                                |  |  |
|---|--------------------------------|--|--|
|   |                                | for A Visual Sensor Network Applications                     | Devices and Networks,JNTUK,28-29 December 2020   |
| 3 | Dr. G. Sridevi, Ch. Hima Bindu | Transform Domain Analysis of Multimodal Medical Image Fusion | International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN 2020) 28th-29th, JNTUK, December2020 |

### SEMINARS / WORKSHOPS / FDPS ATTENDED

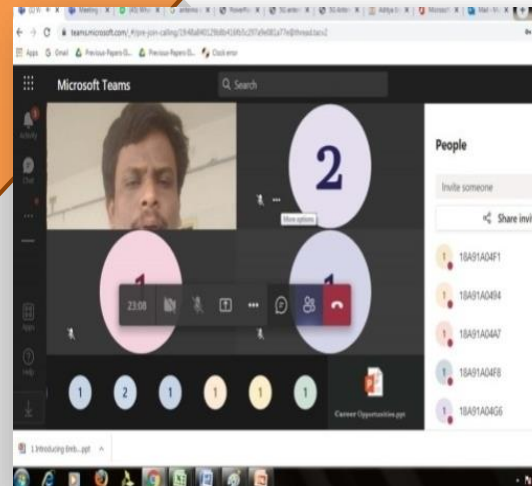
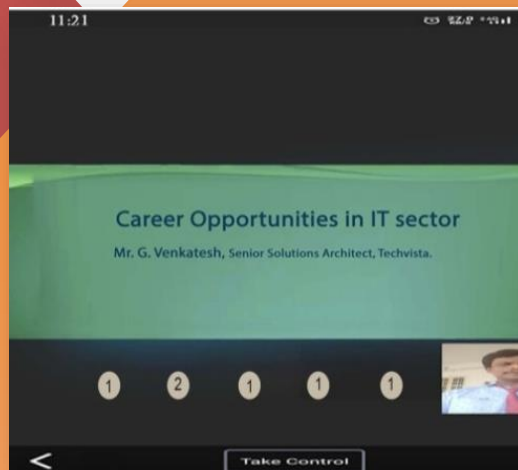
| S. No | Name of the Faculty    | Name of the Event   | Name of the organizer                                  | Duration & Dates                   |
|-------|------------------------|---|--|------------------------------------|
| 1     | Dr. Sridevi Gamini     | Industry standard online FDP on 5G technology                     | AP State Skill Development Corporation (APSSDC) Online | 23Days<br>21-12-2020 - 12-01-2021  |
| 2     | Katta Pavani           | Research Areas in Biomedical Signal Processing                    | Sri Vasai Engineering College, Tadepalligudem Online   | 14-19th December 2020.             |
| 3     | Chenna Veera Kiranmayi | Practical Approach to antenna design using EM Simulation software | SRKR Engineering College, Bhimavaram Online            | 08-02-2021 - 13-02-2021<br>6 days  |
| 4     | Rama Naidu Gangu       | Reliability Engineering and system safety                         | Vishnu Institute of Technology, Bhimavaram Online      | 07-12-2020 - 19-12-2020<br>14 days |
| 5     | Vella Satyanarayana    | Research Areas in Biomedical Signal Processing                    | Sri Vasavi Engineering College, Tadepalligudem Online  | 14-19th December 2020<br>6 days    |

### DEPARTMENT ACTIVITIES

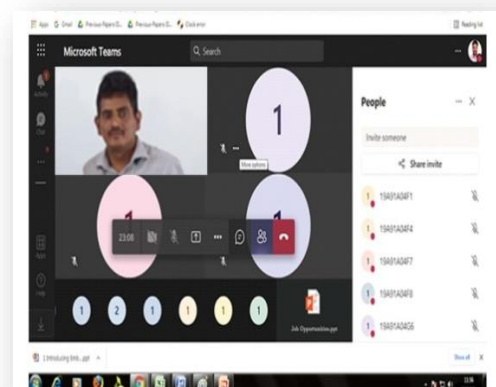
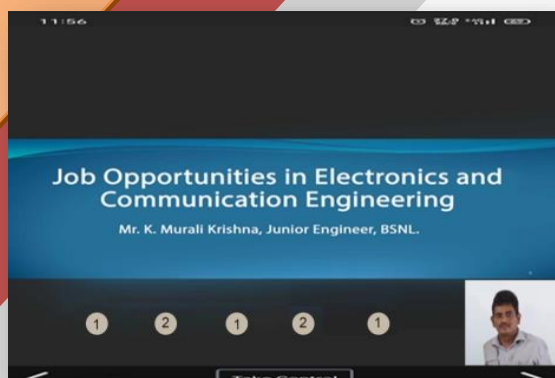
- A 5-Day Faculty Development Programme on " Hands on Training - MATLAB for Bio signal Processing " was conducted at Aditya Engineering College (A), Surampalem by Dr. Biswajith Karan, Asst.Prof, GIET University during 07-12-2020 to 11-12-2020.



- A One day Online Guest Talk by Mr. G.Venkatesh, Senior Solutions Architect, Techvista, Doha, Qatar on “Career Opportunities in IT sector” was organised by the department of ECE on 12-02-2021.


















- A Guest Talk by Mr.K.Murali Krishna,Jr,Engineer BSNL on “Job opportunities in Electronics and Communication Engineering” was organised on 20-01-2021 and 21-01-2021.



## PLACEMENTS

**ADITYA ENGINEERING COLLEGE (AUTONOMOUS)**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**DXC.technology** **SELECTED STUDENTS**

|   |  |  |  |  |
|---|--|--|--|--|
| <br><b>Mr. G. RAVINDRA REDDY</b><br>(17A91A0416) | <br><b>Mr. G. DEVANAND KUMAR</b><br>(17A91A0417)  | <br><b>Ms. G. HEMA MUTYA SRI</b><br>(17A91A0418)  | <br><b>Mr. K. YASWANTH</b><br>(17A91A0422)           | <br><b>Ms. L. LALITHA PRANEETHA</b><br>(17A91A0431) |
| <br><b>Ms. P. NEERAJA</b><br>(17A91A0445)        | <br><b>Ms. P. LAKSHMI MOUNIKA</b><br>(17A91A0447) | <br><b>Ms. P. MANI SAI JYOTHI</b><br>(17A91A0450) | <br><b>Ms. R. GAYATHRI SRI VIDYA</b><br>(17A91A0454) | <br><b>Ms. S. SANGEETHA</b><br>(17A91A0457)         |
| <br><b>Ms. G. SAI PRANATHI</b><br>(17A91A0475)   | <br><b>Ms. K.V.S.S. SRI KAVYA</b><br>(17A91A0486) | <br><b>Ms. M. VAISHNAVI</b><br>(17A91A0491)       | <br><b>Ms. P. BHAVANA VARMA</b><br>(17A91A04A3)      | <br><b>Ms. S. LALITHA SOWMYA</b><br>(17A91A04A9)    |

\*\*\* Congratulations \*\*\*

**ADITYA ENGINEERING COLLEGE (AUTONOMOUS)**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**Cognizant** **SELECTED STUDENTS**

  
**Ms. M. SONIKA**  
(17A91A04L0)

\*\*\* Congratulations \*\*\*

Management Staff & Students

**ADITYA ENGINEERING COLLEGE (AUTONOMOUS)**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**SELECTED STUDENTS**



**N.NIHRKA**

**17A91A04F6**



**Y.RENUKA**

**17A91A04H6**



**C.T.VAMSI KRISHNA**

**17A91A04I2**



**GSREE DIVYA**

**17A91A04J5**

**\*\*\* Congratulations \*\*\***

*Management  
Staff & Students*

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