

DEPARTMENT OF ECE
A HALF-YEARLY NEWSLETTER

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ADITYA
Institute of Technology and Management
(An autonomous institution)

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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. D.V.L.N.Sastry, B. Anil Kumar, P.Kameswar Rao, V.Laxmi, A.Jayalaxmi, Assist.Prof, published a paper titled A COMPARATIVE STUDY OF WINDOWS FOR SPECTRAL ANALYSIS *International Journal of Engineering Applied Sciences and Technology*, 2019 Vol. 4, Issue 3, ISSN No. 2455-2143, Pages 302-304
2. M. Lakshmu Naidu, Dr.B. Rama Rao, Assist.Prof, Prof. published a paper titled Design and Performance Research of SlottedII Microstrip Patch Antenna for LTE Applications
3. P. Sirish Kumar, K. Krishnam Raju , G.Sateesh Kumar, M. Bala Krishna, P. Krishna Rao Assist.Prof, published a paper titled Evaluation of Radar Cross Section in Aerial Operations by using POFACTS for a standard Unmanned Aerial Vehicle (UAV)
4. P Sirish Kumar Assist.Prof, published a paper titled A Hypothetical Analysis on GPS Evolution, Error Sources, Accuracy Measures and Positioning Services
5. Dr. V. Ashok Kumar, A. Jaya Lakshmi Prof , Assist.Prof, Prof published a paper titled Performance Evaluation of Gate Diffusion Input and Modified Gate Diffusion Input Techniques for Multipliers and Fast Adders design
6. Karedla Chitambar Rao Assocs.Prof, Prof published a paper titled Design, Simulation and Experimental Validation of Wideband DGS Circularly Polarized Micro Strip Patch Antenna For C-Band Satellite Communication Applications
7. Dr.B. Rama Rao Prof published a paper titled Implementation of CPW -Fed Hilbert curve Fractal Antenna for UWB Applications
8. Dr.A. S. Srinivasa Rao, M. Bala Krishna, P. Sirish Kumar Prof and Assist.Prof published a paper titled Implementation of Hybrid Algorithm Based on NSCT for Medical Image Fusion
9. Dr.B.Rama Rao Prof published a paper titled Compact Rhombus Ring Dual Frequency Microstrip Antenna for Wireless Applications
10. P. Sirish Kumar Assist.Prof published a paper titled GPS Receiver Position Interpretation using Single Point PVT Estimation Algorithm
11. Eppili Jaya Assist.Prof published a paper titled Adaptive Genetic Fuzzy Decisive Technique Based Moving Target Identification using Multichannel SAR Set-up
12. Y. Srinivasa Rao Assist.Prof published a paper titled Millimeter Wave Channel Estimation and Beam forming Techniques

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	Dr. A.S. Srinivasa Rao	Accreditation and outcome based learning	Elite	8
2	Dr. G. Sateesh Kumar	Accreditation and outcome based learning	Gold medal	8
3	Dr. B. Rama Rao	Accreditation and outcome based learning	Elite	8
4	Sri M.V.H.B. Murthy	Accreditation and outcome based learning	Elite	8

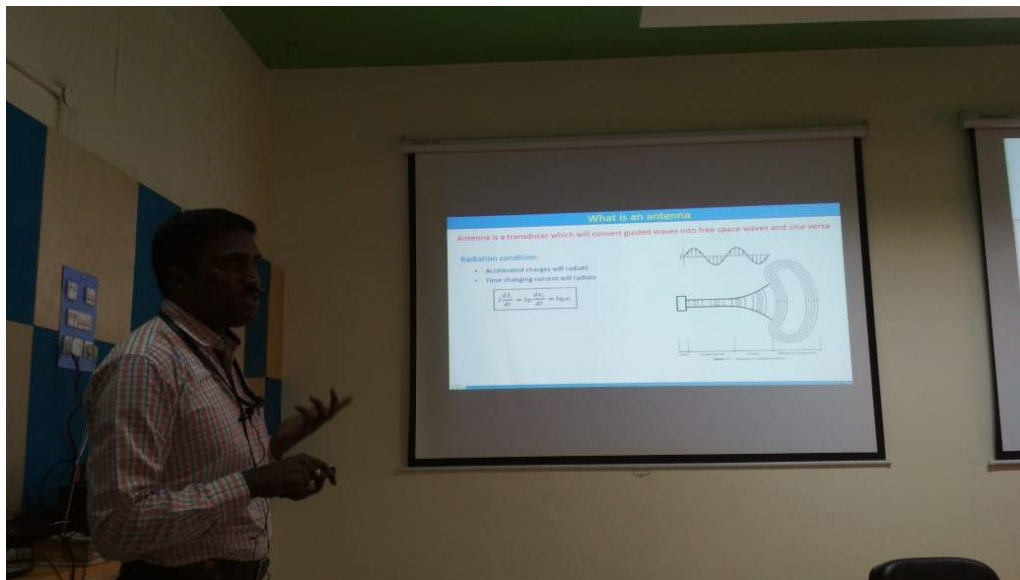
5	<i>Sri G.S.S.S.S.V.K. Mohan</i>	Accreditation and outcome based learning	Elite	8
6	<i>Dr.D. Yugandhar</i>	IOT	Elite	8
7	<i>Dr. V. Ashok Kumar</i>	Accreditation and outcome based learning	Elite	8
8	<i>Dr. M.Jayamanamdha Rao</i>	Accreditation and outcome based learning	Elite	8
9	<i>Sri M. S. R. Naidu</i>	Accreditation and outcome based learning	Gold medal	8
10	<i>Smt. K. V. L. Bhavani</i>	Accreditation and outcome based learning	Gold medal	8
11	<i>D.H.H.Santosh Kumar</i>	Accreditation and outcome based learning	Gold medal	8
12	<i>Sri M.L Naidu</i>	Accreditation and outcome based learning	Elite	8
13	<i>Smt. A. Jayalaxmi</i>	Accreditation and outcome based learning	Gold medal	8
14	<i>Sri M. Balakrishna</i>	Accreditation and outcome based learning	Gold medal	8
15	<i>Sri DVLN Sastry</i>	Accreditation and outcome based learning	Gold medal	8
16	<i>Sri K.Krishnam Raju</i>	Accreditation and outcome based learning	Gold medal	8
17	<i>Sri. M.Chaitnya Kumar</i>	Accreditation and outcome based learning	Gold medal	8
18	<i>Sri. P Krishna Rao</i>	Accreditation and outcome based learning	Elite	8
19	<i>Sri S.Umamaheswara Rao</i>	Accreditation and outcome based learning	Gold medal	8
20	<i>Dr.Kiran kumar Pataro</i>	Accreditation and outcome based learning	Elite	8
21	<i>Ms. Vandana Laxmi</i>	Accreditation and outcome based learning	Gold medal	8
22	<i>Smt. J. Swathi</i>	Accreditation and outcome based learning	Gold medal	8
23	<i>Sri P. Kameswara Rao</i>	Accreditation and outcome based learning	Elite	8
24	<i>Sri P. SirishKumar</i>	Accreditation and outcome based learning	Gold medal	8
25	<i>Sri V. Lokesh Raju</i>	Accreditation and outcome based learning	Elite	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 food ball 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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