

DEPARTMENT OF ECE
A HALF-YEARLY NEWSLETTER

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ADITYA
Institute of Technology and Management
(An autonomous institution)

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ADVITYA 2K17

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. K.B. Madhu Sahu, PRINCIPAL



It is only through knowledge that man attains immortality. Knowledge has to expand or grow to remain as knowledge. The road to excellence is toughest, roughest and steepest in the Universe. The world requires and honors only excellence. Available information has to be directed by wisdom and intelligence to create new knowledge. Promotion of creativity is the new role of education. It is only through creative thinking that the present and future problems can be addressed to find dynamic solutions. Technology should be used to help remove poverty from the world. In fact forty per cent of the world's poor are in India. Confidence leads to capacity. It is faith in oneself that produces miracles. Education at AITAM helps build character, strengthen the mind, expand the intellect and establish a culture of looking at problems in a new perspective. The student is put through rigorous training so that he can stand on his own feet after leaving the portals of the Institute.

Message from Dr. Sateesh Kumar, 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. 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. The department is well equipped with significant infrastructural design and state of art laboratories for both academics and research purpose.

Our department has a fine blend of a team of qualified and experienced faculty. The faculty members have excellent academic credentials. The notable asset of our department is the available diversity of expertise and highly motivated, well experienced faculty members ensure quality education from our department. 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. The department of ECE endeavors to provide to our students best professional opportunities and look forward their bright future. We as a team resolve to take the department to heights of success and prepare our students for future challenges. We are striving hard continuously to improve upon the quality of education. Our goal is to ensure that the education we provide opens the doorway to greater opportunities.

Faculty Achievements

1. MSR Naidu, Assoc.Prof, published a paper titled Shannon and Fuzzy entropy based Evaluationary Image Thresholding for Image Segmentation Alexandria Engineering Journal hosted by ELSEVIER (2018) 57,1643-1655
2. B.Anil kumar,P.Kameshwara Rao,D.V.L.N.sastry Asst.Prof, published a paper titled Medical image processing by hybrid image fusion technique IJCERT vol-5 dec-2017
3. G.sateesh kumar,D.V.L.N.Sastry Professor, Asst.Prof, published a paper titled Multi image signature scheme based on DWT-SVD in YCbCr colour space International journal on artificial intelligent systems and machine learning Vol-9 Oct-2017
4. G.sateesh kumar, Professor, published a paper titled Advanced carrier aggregation in LTE for functionality IJPAM Vol-115 Oct-2017
5. G.sateesh kumar, S.Umamaheswararao, Professor,Asst. Prof published a paper titled A new modified threshold sensitive distributed energy efficient clustering routing protocol heterogeneous for wireless sensor networks IJETAE Vol-7 Oct-2017
6. Ch. Rajasekhara Rao, Dr. MNVSS Kumar Assoc.Prof presented a paper titled A novel segmentation algorithm for feature extraction of brain MRI tumor 6th International conference on frontier of intelligent computing : Theory and Applications KIITU, Bhubaneswar,14,15 October 2017
7. Ch. Rajasekhar Rao Assoc.Prof, published a paper titled, MRI BRAIN TUMOUR SEGMENTATION AND IT'S 3D CONSTRUCTION ARPN Journal of Engineering and Applied Sciences,VOL. 12, NO. 17 01-09-2017

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	D. YUGANDHAR	Effective engineering teaching	Successful completion	8
2	P. KAMESWARA RAO	Control Engineering	Successful completion	12

STUDENT ACHIEVEMENTS

S. No	Title	Student name & Reg.no	Class	Name of event and venue	Date(s)	Awards
1	Academics	SIRISHA GIRIJALA 16A51A0285	II	ASPIRE2K18,AITAM	Feb,2018	Gold medal

S.NO	NAME OF THE STUDENT	ROLL NO	DEPT	CLAS S & SECTI ON	DETAILS OF PAPER/ PROJECT PRESENTA TION	DETAILS OF PAPER/ PROJECT PRESENT ATION	AMOUNT OF CASH AWARD
1	A V B TANOJ	14A51A0401	ECE	III-A	ROBO CONTEST	STEPCO NE 2K17, GMRIT, RAJAM	1000
2	IPPILI KALKI DEV	14A51A0456	ECE	III-A	ROBO CONTEST	STEPCO NE 2K17, GMRIT, RAJAM	1000
3	G VIDYA SAGAR	14A51A0453	ECE	III-A	ROBO CONTEST	STEPCO NE 2K17, GMRIT, RAJAM	1000
4	S SANTHOSH KRISHNA	14A51A04C9	ECE	III-C	ROBOGENE SIS	TECHNO ZION NIT,WAR ANGAL.	2000
5	S VINOD	14A51A04D1	ECE	III-C	ROBOGENE SIS	TECHNO ZION NIT,WAR ANGAL.	2000
6	S SRIKANTH	14A51A04C7	ECE	III-C	ROBOGENE SIS	TECHNO ZION NIT,WAR ANGAL.	2000
7	M AKHIL	14A51A0488	ECE	III-B	SOURCE CODE	KSHITIJ IIT, KHARAG PUR	2000
8	L ARAVIND	14A51A0485	ECE	III-B	SOURCE CODE	KSHITIJ IIT, KHARAG PUR	2000

9	R YASWANTH	14A51A04B8	ECE	III-B	SOURCE CODE	KSHITIJ IIT, KHARAG PUR	2000

Guest lectures

1. Sri. Sameera Nandan gave a guest lecture on carrier awareness



2. Sri. Sameera Nandan gave a guest lecture on RADAR



EXTENSION ACTIVITIES

Programme 1

Activity name : Rally for Rivers

Date : 01-02-2018

Brief report:

As it is our responsibility to save our rivers, we must do something. We had a campaign in the surrounding colleges of Tekkali to make more aware of rivers. A toll free no was given to all the students and they were asked to give missed call to take further steps of saving our rivers.

No of students attended : 350

No of faculty attended : 03



Programme 2

Activity Name : Free Eye check up

Date : 01-02-2018

Brief report:

As a part of health check-up, a free eye check-up camp was successfully organized in the college campus by Dr. Sheila's eye hospital, Sompeta. The camp was conducted for drivers, sweepers and students.

No of students attended : 300

No of Faculties attended : 20



Programme 3

Activity Name: Mahasivaratri festival

Date:04-03-2018

Brief report:

On the occasion of Maha siva ratri festival the NSS volunteers served the devotees at lord siva temple in Ravivalasa village with the help of village committee.

No of students attended : 120

No of faculty attended :02

Programme 4

Activity Name: International Yoga day

Date: 21-06-2018





CULTURAL PROGRAMMES (ASPIRE2K18)

EEE department students participated in cultural programmes in ASPIRE2K18.







Editorial Board

STAFF:

P.Kameswara Rao

STUDENTS:

Yaswanth Kumar, II- ECE-C

P.Sunil, III-ECE-C

L .Aravind Kumar, IV- ECE-B



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