DEPARTMENT OF ECE

A HALF-YEARLY NEWSLETTER

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ADITYA
Institute of Technology and Management

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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 PUBLICATIONS

1. G Sateesh Kumar has published a paper titled Design os EEG Signal Using FRFT BASED Barlett Windowi-manager's Journal on Image ProcessingVol-5 No.1 March 2017
2. Jayalaxmi Anem has published a paper titled Design os EEG Signal Using FRFT BASED Barlett Window i-manager's Journal on Image Processing Vol-5 No.1 March 2017
3. D.V.L.N.Sastry has published a paper titled De-noising of ECG signals using hybrid adaptive filter i-manager's Journal on Image Processing vol 5,page 7-11,march 2017
4. Laxmi.Vandana has published a paper titled De-noising of ECG signals using hybrid adaptive filter i-manager's Journal on Image Processing vol 5,page 7-11,march 2017
5. J.Swathi has published a paper titled De-noising of ECG signals using hybrid adaptive filter i-manager's Journal on Image Processing vol 5,page 7-11,march 2017
6. MSR Naidu has published a paper titled Shannon and Fuzzy entropy based Evalutionary Image Thresholding for Image Segmentation Alexandria Engineering Journal hosted by ELSEVIER (ACCEPTED on 21-05-2017)
7. MSR Naidu has published a paper titled Multilevel Image Thresholding for Image International Journal of Engineering and Technology (IJET) Vol 9 No 2 Apr-May2017
8. MSR Naidu has published a paper titled Segmentation by Optimizing Fuzzy Entropy using Firefly Algorithm International Journal of Digital Content Technology and its Applications(JDCTA)Volume11, Number1, March 2017

FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS/CONFERENCES ATTENDED

1. T.Viswanadham Assoc. Professor, has presented a paper titled Performance Improvement of conventional windows using polynomial windows and Fractional Fourier transform for FIR filters for ECG De-noising National conference on Recent advances in bio-medical signal ,image and video processing(RABSIVP-2017) Feb 24,25 2017,AITAM
2. K.Krishnamraju Assist. Professor, has presented a paper titled Performance improvement of conventional windows using polynomial windows and Fractional Fourier transform for FIR filters for ECG De-noising National conference on Recent advances in bio-medical signal ,image and video processing(RABSIVP-2017) Feb 24,25 2017,AITAM
3. P.KrishnaRao Assist. Professor, has presented a paper titled Performance Improvement of conventional windows using polynomial windows and Fractional Fourier transform for FIR filters for ECG De-noising National conference on Recent advances in bio-medical signal ,image and video processing(RABSIVP-2017) Feb 24,25 2017,AITAM
4. M.Balakrishna Performance Improvement of conventional windows using polynomial windows and Fractional Fourier transform for FIR filters for ECG De-noising National conference on Recent advances in bio-medical signal ,image and video processing (RABSIVP-2017) Feb 24,25 2017,AITAM

Organized workshops

1. National Conference on Recent Advances in Biomedical Signal, Image and Video Processing(RABSIVP 2017) during Feb 24-25,2017 Organized by D.Yugandhar
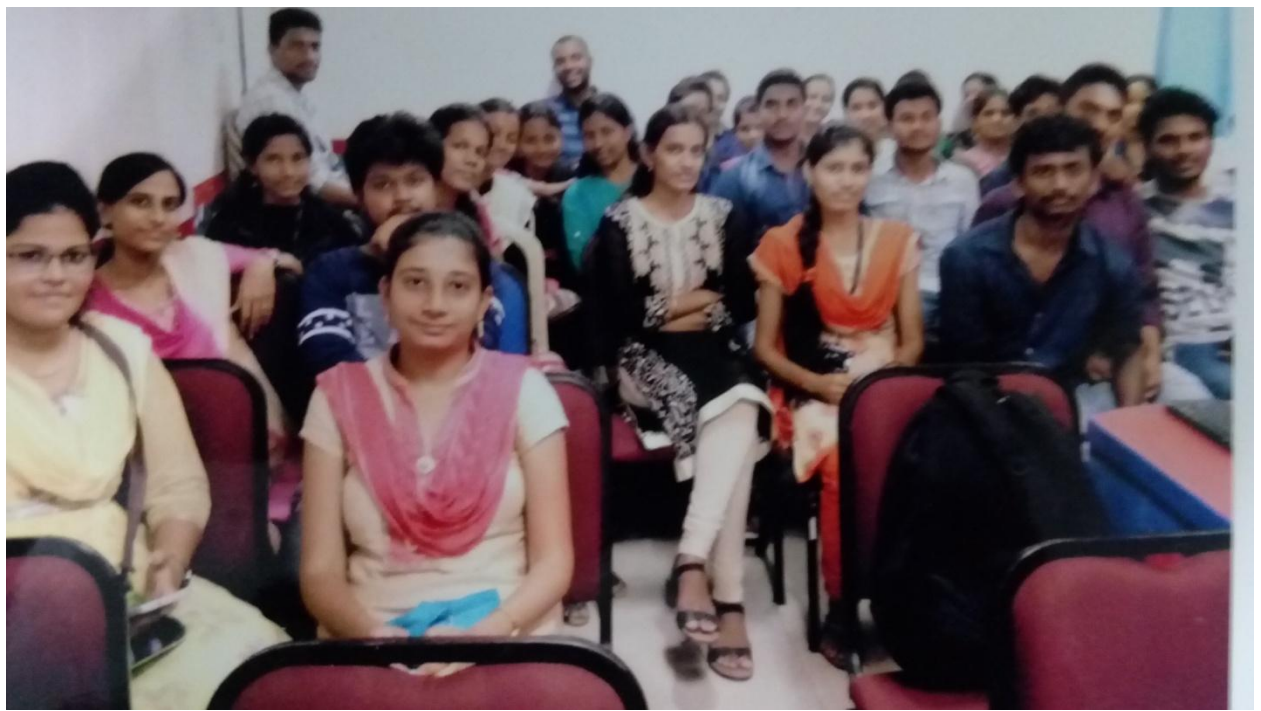
STUDENTS ACHIVEMENTS

S.No.	Nature of the Activity	Student Name & Regd. No.	Class	Name of the Event and Venue	Dates	Awards
1	Robo Contest	A V B TANOJ 14A51A0401	III-A	STEPCONE 2K17, GMRIT, RAJAM	27th -29th Jan,2017	First Prize
2	Robo Contest	IPPILI KALKI DEV 14A51A0456	III-A	STEPCONE 2K17, GMRIT, RAJAM	27th -29th Jan,2017	First Prize
3	Robo Contest	G VIDYA SAGAR 14A51A0453	III-A	STEPCONE 2K17, GMRIT, RAJAM	27th -29th Jan,2017	First Prize
4	SOURCE CODE	M akhil 14A51A0488	III-B	KSHITIJ IIT, Kharagpur	27th -29th Jan,2017	Second Prize
5	SOURCE CODE	L Aravind 14A51A0485	III-B	KSHITIJ IIT, Kharagpur	27th -29th Jan,2017	Second Prize
6	SOURCE CODE	R Yaswanth 14A51A04B8	III-B	KSHITIJ IIT, Kharagpur	27th -29th Jan,2017	Second Prize

INDUSTRIAL TOURS

Year	Section	Date(s) of visit	Place
IV	ECE-B	31/03/2017	Millenium soft solution VSKP
IV	ECE-C	25/03/2017	Millenium soft solution VSKP
IV	ECE-A	25/03/2017	Grafix IT solutions VSKP
II	ECE B	11/01/17	Miracle soft solutions VSKP
II	ECE A	11/01/17	Media3 international VSKP

11/01/2017

PLACEMENTS

SNO	ROLL NO	NAME	BRANCH	COMPANY	package	DESIGNATION
1	13A51A0402	Allada Manoj Kumar	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
2	13A51A0424	Boyina Suma	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
3	13A51A0425	Boyina Swapna	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
4	13A51A0430	Priyanka Chelluru	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER

5	13A51A0434	Chowdari Lakshmi	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
6	13A51A0440	Dola Tejesh	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
7	13A51A0442	Dumpala Priyanka	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
8	13A51A0449	Gudla Divya	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
9	13A51A0462	Kalla Raviteja	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
10	13A51A04A4	Mylapilli Adharsh	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
11	13A51A04A5	N.Lokes Wara Rao	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
12	13A51A04D0	Priyanka Mavuduru	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
13	13A51A04F0	Silla Pravallika	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
14	13A51A04F8	Tangudu Reshma	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
15	14A55A0418	Das Muktheswara	ECE	CAPGEMINI	3.25	SOFTWARE ENGINEER
16	13A51A0403	ANDHAVA RAPU SANGHAVI	ECE	RISING STARS MOBILE	1.29	CORE

17	13A51A0411	BALLA USHA	ECE	RISING STARS MOBILE	1.29	CORE
18	13A51A0416	BHASKARA BHATLA ANUSHA	ECE	RISING STARS MOBILE	1.29	CORE
19	13A51A0428	BUSI YOGITHA	ECE	RISING STARS MOBILE	1.29	CORE
20	13A51A0435	CHOWDARI SARITHA	ECE	RISING STARS MOBILE	1.29	CORE
21	13A51A0458	IPPILI PRAJNA	ECE	RISING STARS MOBILE	1.29	CORE
22	13A51A0469	KASI MOUNIKA SAI	ECE	RISING STARS MOBILE	1.29	CORE
23	13A51A0494	MAKKA HARIKA REDDY	ECE	RISING STARS MOBILE	1.29	CORE
24	13A51A04A0	MIRTIPATI ROJA	ECE	RISING STARS MOBILE	1.29	CORE
25	13A51A04A2	MUKALLA GAYATHRI	ECE	RISING STARS MOBILE	1.29	CORE
26	13A51A04F6	TADELA SARANYA	ECE	RISING STARS MOBILE	1.29	CORE
27	13A51A04G1	THOTA CHANDAN	ECE	RISING STARS	1.29	CORE

			A		MOBILE		
28	13A51A04H0	VARUDU SWATHI	ECE	RISING STARS MOBILE	1.29	CORE
29	13A51A04H8	YENNETI HARIKA	ECE	RISING STARS MOBILE	1.29	CORE
30	14A55A0421	POGIRI MALATHI	ECE	RISING STARS MOBILE	1.29	CORE
31	13A51A0443	DURGA NIRUPAMA	ECE	MIRACLE	1.8	Software Trainee
32	13A51A0465	KANITHI POOJA	ECE	MIRACLE	1.8	Software Trainee
33	13A51A04G3	VADDADI SRIVANI	ECE	MIRACLE	1.8	Software Developers

GUEST LECTURES

1. Dr. D.Ranghanath,Deputy director doordarshan, has delivered a guest lecture on Satellite communication On 02-01-17

2. Sri Y.Gopala rao, Rtd Professor A.U has delivered a guest lecture on Transmission lines on 30-01-17
3. Sri G.Tirumalarao , Rtd Professor delivered a guest lecture on Wavelets in image processing on 27-02-17

4. Sri J.Lakshman kumar TTA Real time problems In Telecommunications on 02-04-17

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