

## **DEPARTMENT OF ECE**

### **A HALF-YEARLY NEWSLETTER**

AY: 2013-14	July-Dec	Vol. 6	Issue - 2
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# **ADITYA**

## **Institute of Technology and Management**

Tekkali-532 201, Srikakulam Dist., AP  
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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 instills 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. A. S. Srinivasa Rao, H.O.D of ECE**



Aditya Institute of Technology and Management (AITAM) is one among reputed technical institutes imparting finest quality education. The Electronics and Communication Engineering Department of this institute over the past twelve years has witnessed strong blend of state-of-the-art infrastructure and intricately intertwined human resource committed to provide professional education with thrust on creativity and innovation. The motivating environment in AITAM for knowledge assimilation, generation and dissemination with a sense of social responsibility, human values and concern for environment has carved a niche for itself among the best technical institutes.

In AITAM especially Electronics and Communication Engineering, it is believed and practiced that excellence is a continuous process and in pursuit of which the institute has made deep forays into contributing world renowned technocrats, successful entrepreneurs, competent leaders, innovative scientists and researchers.

Dear Students,

"A desire can change nothing, a decision can change something but a determination can change everything".

Life is a set of problems. You have to solve problems in the domain areas with strong innovative ideas with scientific knowledge. Your commitment to become an engineer by devoting four year academic journey in Electronics and Communication Engineering of AITAM will be fruitful and enjoyable in every aspect and the experience you gain from here and the moments you spend here will be cherished by you throughout your life.

## **JANUARY 2014-JUNE 2014**

### **FACULTY PUBLICATIONS**

1. Sri P. Sirish Kumar, Sri M. Bala Krishna, Sri M. Chaitanya Kumar Assistant Professors, published a paper titled Analysis of biological signals using wave let coefficients for finding the cardiac diseases and their severity Vol.4, Issue 3, Pp 111-117 June, 2014
2. Sri B. Anil Kumar, P. Kameswara Rao, Sri D.V.L.N. Sastry Assistant Professors, G.S.S.S.V. Krishnna Mohan Associate Professor, published a paper titled Tuning of Fractional order PID controller for interacting systems by different methods Volume 2, Issue 3, Pp 19-24 May, 2014 e-ISSN:2321 -1148 P-ISSN:2321-113X
3. Sri D. Yugandhar Associate Professor, published a paper titled Performance analysis of median filtering approches for image De-noising in the presence of impulsive noise Volume 10, Issue 15, PP 537-544 May, 2014 e-ISSN: 1857-743 P-ISSN:1857-7881
4. Sri S. Umamaheswara rao, Miss Laxmi Vandana, Smt. A. Jayalaxmi, Assistant Professors, published a paper titled Performance Analysis of Haar Wave let Based BPSK OFDM System with Reduced PAPR Vol.3, Issue 4, Pp 2005-2009 April, 2014 2278-181
5. Dr. MNVSS Kumar Satellite Clock Error and Orbital Solution Error Estimation for Precise Navigation Applications Vol 5, Issue 1, Pp:22-26, Feb, 2014 2150-8526

### **FACULTY CONFERENCES**

1. Sri M.L. Naidu Assistant Professor has presented a paper titled Design of Small Antennas for Mobile Communication to Minimize Electro Magnetic Interference NCACT-14 GITAM University, Vizag, Feb 14 & 15, 2014
2. Smt A. Jayalaxmi Assistant Professor has presented a paper titled Novel Digital Integrator and Differentiator using Shadow Technique RCECE-14 JNTUV, VZM, March 14&15, 2014
3. Sri V. Ashok Kumar Associate Professor, has presented a paper titled Performance Evaluation of Digital Water Marking using DCT-DWT and Modified Bilinear Interpolation Technique NCACT-14 GITAM University, Vizag, Feb 14 & 15, 2014

### **FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS / CONFERENCES ATTENDED**

1. Sri. M. Balakrishna Asst.Prof has attended Workshop 06th & 07th Feb, 2014 VLSI & EDA Tools (VLSI-2014) JNTU, Vizianagaram
2. Dr. MNVSS Kumar Associate Professor, has attended Workshop 27th & 28th, Feb -2014 National Workshop on Advances in Signal and Image Processing, Computer Vision (ASIC Vision - 2014) ANITS, Visakhapatnam

3. Sri. V. Ashok kumar Associate Professor, has attended Workshop 28th Feb to 1st March, 2014 National workshop on VLSI Applications to Radar & Image Processing (VARIP - 2014) GMRIT, Rajam.

### **FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS ORGANIZED**

1. A One Day Workshop on '*Outcome Based Education*' was conducted on 20th June, 2014. The speaker was renowned Professor Dr. N.C. Shivaprakash, IISc, Bangalore.
2. A One Day Workshop on '*Outcome Based Education*' was conducted in Association with IUCEE on 9th March, 2015. The speaker was Prof. Claire Komives, San Jose State University, USA.
3. A One Day Workshop on '*Outcome Based Education*' was conducted in Association with IUCEE on 18th April, 2015. The speaker was Prof. R. Mahadevan Aasaan eduCare Pvt. Ltd., Chennai..
4. A One Day Workshop on '*Outcome Based Education*' was conducted in Association with IUCEE on 25th April, 2015. The speaker was Dr. K. Chandra Bhushana Rao, JNTUK, Vizayanagaram.

### **STUDENTS PARTICIPATION**

1. D.R.S BHARAT 11A51A0435 of IIIECE-A, a PPT RADAR in an event on IITM IGIT,SARANG 24<sup>th</sup> JAN2014 , organized by IITM
2. K.LALITKUMAR 11A51A0453 of IIIECE-A a PPT RADAR in an event on IITM IGIT,SARANG 24<sup>th</sup> JAN2014 , organized by IITM
3. K.HEMANT 11A51A0463 of IIIECE-B TECHNOPHILA a PPT ON SPEECH RECONIZATION in an event on 31<sup>ST</sup> JAN 2014AITAM
4. B.MANIKANTA 11A51A04A0 of IIIECE-B TECHNOPHILA a PPT ON SPEECH RECONIZATION in an event on 31<sup>ST</sup> JAN 2014AITAM
5. M.V.VIKAS 11A51A0419 of IIIECE-A TECHNOPHILA a PPT ON SPEECH RECONIZATION in an event on 31<sup>ST</sup> JAN 2014AITAM
6. CH.PRADEEP 11A51A0424 of IIIECE-A TECHNOPHILA a PPT ON SPEECH RECONIZATION in an event on 31<sup>ST</sup> JAN 2014AITAM
7. M.KAVITHA 11A51A0470 of IIIECE-B INTERNATIONAL WOMENS DAY a PPT ON MICRO STRIP ANTENNA an event on 08<sup>TH</sup> MARCH 2014AITAM
8. P SWATHI 11A51A0483 of IIIECE-B INTERNATIONAL WOMENS DAY a PPT ON MICRO STRIP ANTENNA an event on 08<sup>TH</sup> MARCH 2014AITAM

## STUDENT ACHIEVEMENTS

S.No.	Nature of the Activity	Student Name & Regd. No.	Class	Name of the Event and Venue	Dates	Awards
1	PPT on RADAR	D.R.S.BHARAT 11A51A0435	III-A	HORIZON 14 IGIT,SARANG	24-Jan-14	1ST
2	PPT On RADAR	K.LALIT KUMAR 11A51A0453	III-A	HORIZON 14 IGIT,SARANG	24-Jan-14	1ST
3	PPT on Speech Recognition	K.HEMANTH 11A51A0463	III-B	TECHNOPHILA AITAM,TEKKALI	31-Jan-14	1ST PRIZE - ROBOTICS
4	PPT on Speech Recognition	B.MANIKANTA 11A51A04A0	III-B	TECHNOPHILA AITAM,TEKKALI	31-Jan-14	1ST PRIZE - ROBOTICS
5	PPT on Speech Recognition	M.V.VIKAS 11A51A0419	III-A	TECHNOPHILA AITAM,TEKKALI	31-Jan-14	1ST PRIZE - ROBOTICS
6	PPT on Speech Recognition	CH.PRADEEP 11A51A0424	III-A	TECHNOPHILA AITAM,TEKKALI	31-Jan-14	1ST PRIZE - ROBOTICS
7	PPT on Micro strip Antenna	M.KAVITHA 11A51A0470	III-B	INTERNATIONAL WOMEN'S DAY AITAM,TEKKALI	08-Mar-14	2ND PRIZE GD
8	PPT on Micro strip Antenna	P.SWATHI 11A51A0483	III-B	INTERNATIONAL WOMEN'S DAY AITAM,TEKKALI	08-Mar-14	2ND PRIZE GD

## INDUSTRIAL TOURS

Year	Section	Date of visit	Place
II	II ECE-B	30/01/2014	RADAR STATION VSKP
II	II ECE-A	05/02/2014	VSKP
III	III ECE-A	07/02/2014	VSKP
III	III ECE-B	21/02/2014	VSKP
II	II ECE-B	30/01/2014	RADAR STATION VSKP











## STUDENTS PLACEMENT

The following students were placed in different companies visited this year:

s.no	roll no	Name	branch	company	package
1	10A51A0412	BODASINGI VASANTHI	ECE	Tech Mahindra	3,06,000
2	10A51A0444	INJARAPU ANUSHA	ECE	Tech Mahindra	3,06,000
3	10A51A0463	KUTIKUPPALA RUPAVATHI	ECE	Tech Mahindra	3,06,000
4	10A51A0404	BAGADHI DHANALAXMI	ECE	Tech Mahindra	3,06,000
5	10A51A04B7	MANAM HEMANTH KUMAR	ECE	Tech Mahindra	3,06,000
6	10A51A04B2	YENNI MEGHAMALA	ECE	Tech Mahindra	3,06,000
7	10A51A0423	CHADUVULA SRAVANA KUMAR	ECE	Tech Mahindra	3,06,000
8	10A51A0456	KONDALA PRADEEP KUMAR	ECE	Larsen & Toubro	4,32,000
9	10A51A0426	CHINTU SWATHI	ECE	IBM	3,60,000
10	10A51A0423	C SRAVAN KUMAR	ECE	TCS	3,26,000
11	10A51A0417	BOINA MRUDULA	ECE	INFOSYS	3,50,000
12	10A51A0437	GUDLA RAVIKIRAN	ECE	INFOSYS	3,50,000
13	10A51A04B2	YENNI MEGHAMALA	ECE	INFOSYS	3,50,000
14	10A51A0437	GUDLA RAVI KIRAN	ECE	ACROPETAL	2,16,000
15	10A51A04B8	P AVINASH	ECE	MAHA	1,80,000



				ELECTRONICS	
16	10A51A0483	P NAVEEN KUMAR	ECE	MAHA ELECTRONICS	1,80,000
17	10A51A0440	G ANIL KUMAR	ECE	MAHA ELECTRONICS	1,80,000
18	10A51A0416	P CHATURVEDI	ECE	MAHA ELECTRONICS	1,80,000
19	10A51A04A8	V MANI KRISHNA	ECE	Maha Electronics	1,80,000
20	10A51A0412	BODASINGI VASANTHI	ECE	Tech Mahindra	3,06,000
21	10A51A0444	INJARAPU ANUSHA	ECE	Tech Mahindra	3,06,000
22	10A51A0463	KUTIKUPPALA RUPAVATHI	ECE	Tech Mahindra	3,06,000
23	10A51A0404	BAGADHI DHANALAXMI	ECE	Tech Mahindra	3,06,000
24	10A51A04B7	MANAM HEMANTH KUMAR	ECE	Tech Mahindra	3,06,000
25	10A51A04B2	YENNI MEGHAMALA	ECE	Tech Mahindra	3,06,000
26	10A51A0423	CHADUVULA SRAVANA KUMAR	ECE	Tech Mahindra	3,06,000
27	10A51A0456	KONDALA PRADEEP KUMAR	ECE	Larsen & Toubro	4,32,000
28	10A51A0426	CHINTU SWATHI	ECE	IBM	3,60,000
29	10A51A0423	C SRAVAN KUMAR	ECE	TCS	3,26,000
30	10A51A0417	BOINA MRUDULA	ECE	INFOSYS	3,50,000
31	10A51A0437	GUDLA RAVIKIRAN	ECE	INFOSYS	3,50,000

## GUEST LECTURES

1. Prof G.Tirumalarao has delivered a guest lecture on Filters in dsp on 01-02-14



2. Dr. D.Ranghanath, Deputy director Doordarshan has delivered a guest lecture on Advances in satellite communication on 15-02-14
3. Prof S.K.Nayak has delivered a guest lecture on Embedded system design challenges on 22-02-14
4. Sri K.Maleeswararao, associate consultant, TCS Hyderabad has delivered a guest lecture on Software skills on 15-03-14
5. Sri R.Radhakrishna, senior consultant CTS, Hyderabad has delivered a guest lecture on Personality development & Employability skills on 29-03-14



**Editorial Board  
Faculty**

1. P.Kameswara Rao
2. L Rambabu

**Students**

1. D.Manohar, IV-ECE-A
2. K.Sravani, VECE-A
3. P.Gopi, IVECE-B



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