DEPARTMENT OF ECE

A Half-Yearly Newsletter

AY: 2015-16	Jan-June	Vol. 8	Issue - 2

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.

JANUARY 2016- JUNE 2016

FACULTY PUBLICATIONS

1. M N V S Santosh Kumar, "Orthogonal Decomposition Algorithm for Ionospheric Delay Estimation for Precise GPS Applications", Elsevier International Conference on Computational Modelling and Security, Bangalore, pp: 620-625, Feb-2016. (Procedia Computer Science Journal).

2. M.N.V.S.S.Kumar, "TDOA measurement based GDOP analysis for radio source localization", Elsevier International Conference on Computational Modeling and Security, Bangalore, pp: 722-728, Feb-2016. (Procedia Computer Science Journal).

3. Smt E.Jaya, "Power,Area and delay comparision of different multipliers", IJSETR& IJSETR, Volume 5, Number 6,June2016pp 2093-2100, ISSN 2278-7798.

4. Sri P.Sirish kumar, Dr.M.N.V.S.S.Kumar, Sri S.Umamaheswara rao, "Design of high directive planar antenna using schelkunnof polynomial", CiiT International journal of wireless communication& coimbattore institute of information technology, Volume 8, Number 4,April 2016,pp 140-143, 0974-9756..

5. Sri M.Balakrishna,Sri K.Krishnamraju,Sri M.Chaitanya kumar, Sri L.Rambabu, "POLY-FIR filtered ECG for better diagnosis of cardiac disorders", International Journal of Science, Engineering and Technology Research (IJSETR)&IJSETR, Volume 5, Issue 4, April 2016, PP 1094-1097, ISSN: 2278 – 7798.

6. Sri P.Krishnarao, SmtA.jayalaxmi,Ms V.Laxmi, Sri Y.srinivasarao, "DENOISING OF ECG USING COMBINED WINDOW TECHNIQUE", International Journal of Science, Engineering and Technology Research (IJSETR)&IJSETR, Volume 5, Issue 5, May 2016 pp 1635-1638, ISSN: 2278 – 7798.

7. Dr.B.Ramarao, "Design and Analysis of a Novel compact C-band Antenna for Wideband Applications", International Journal of Electronics Communication and Computer Engineering, Volume 6, Issue 4, , 2016, ISSN (Online): 2249–071X, ISSN (Print): 2278–4209.

FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS/CONFERENCES ATTENDED

1. Smt KVL Bhavani attented workshop 16-21 nov, 2015 MHRD's National Mission for Teachers and Administrators Management Capacity Enhancement Programme atIIM, Trichy
2. Sri. P.V. Muralidhar attented workshop 23-28 Jan, 2015MHRD's National Mission for Teachers and Administrators Management Capacity Enhancement Programme at IIM, Trichy
3. Sri. V. Lokesh Raju attented workshop 17-21 nov , 2015short Term Course on Design and analysis of DRA at IIT, Kharagpur
4. Sri K. Chidambara Rao attented workshop 09-11 dec, 2015 Analog and Digital IC Design using CADENCE tools at GVP.Vizag
5. Sri. M.S.R.Naidu attented workshop 09-11 dec, 2015 Analog and Digital IC Design using CADENCE tools at GVP.Vizag
6. Sri. N. Ashok Kumar attented workshop 25 - 26,sep 2015 Cognitive Radio Technologies at GVP.Vizag
7. T Viswanadham, "An Efficient Signal Processing Algorithm for accurate detection of Characteristic points in Abnormal ECG signals", International Conference on Electrical, Electronics, and Optimization Techniques, March, 2016, Chennai
8. Sri. B. Rama Rao attented workshop 6 - 10,july 2015 Practical RF Antenna at NIT Warangal
9. Sri. A.S.Srinivasa Rao 6 - 10,july 2015 Practical RF Antenna at NIT Warangal
10. Sri M.Balakrishna attented workshop 18-19 dec2015 Building Embedded systems with ARM Cortex-M MCUs at Jntuk,Kakinada
11. Sri Y.Srinivasarao attented workshop 18-19 dec2015 Building Embedded systems with ARM Cortex-M MCUs at Jntuk,Kakinada
12. Sri P.Krishna rao attented workshop 20-21 july 2015 pre conference workshop on Electro magnetic interferenceand compatibility INCEMIC at AU,Visakhapatnam
13. Sri P.Krishna rao attented workshop 4-14 dec 2015 Lines Waves and Fields transmission of energy at Sri Vasavi engg college,Tadepalligudem

ORGNISED WORKSHOPS

Dr.A.S.S.Rao organized National Conference on "Antenna Innovation and Modern Technologies" being held during 29-30 Apr., 2016

STUDENT ACHIVEMENTS

S.No.	Nature of the Activity	Student Name & Regd. No.	Class	Name of the Event And Venue	Dates	Award / Reward
1	PPT on WCDMA	TANGUDU RESHMA 13A51A04F8	III-C	SARABOTSAV-2016 Sarada Institute of Technology and Management	18-19th march-2016	Second Prize
2	Poster presentation	SOLANKI HETAL KUMARI (15A55A0425)	III-B	DAKSHATA-2016 Sri sivani college of engineering	11-12th march-2016	Second Prize
3	Poster presentation	BALARAMAMAHANTHY MANASA 13A51A0410	III-A	DAKSHATA-2016 Sri sivani college of engineering	11-12th march-2016	Second Prize
4	PPT on Nanotechnology	PinnintiSrikanth (13A51A0489)	IV-B	DAKSHATA-2016 Sri sivani college of engineering	11-12th march-2016	Second Prize
5	Poster presentation	YENDUVA VAMSI (13A51A04H7)	III-C	STEOCONE-2016 GMRIT, Rajam	8, 9,10th January -2016	Second Prize

6	PPT on GFDM	SILLA PRAVALLIKA (13A51A04F0)	III-C	STEOCONE-2016 GMRIT, Rajam	8, 9,10th January -2016	Third Prize
7	Poster presentation	NAKKA REVATHI 13A51A04A3	III-B	STEOCONE-2016 GMRIT, Rajam	8, 9,10th January -2016	Second Prize
	PPT on Blue eye technology	MUNI ROHIT RUSHI 13A51A04A3	III-B	STEOCONE-2016 GMRIT, Rajam	8, 9,10th January -2016	Third Prize

INDUSTRIAL TOURS

Year	Section	Date(s) of visit	Place
II	II ECE-A	18/04/2016	VSKP
III	III-ECE B	07/04/2016 - 16/04/2016	LONG TOUR

PLACEMENTS

SNO	ROLL NO	NAME	BRANCH	COMPANY	package	DESIGNATION
1	12A51A04D0	Sasanapuri Prudhvi Raj	ECE	RETAILON	3.5	SOFTWARE DEVELOPER
2	12A51A0479	LENKA TEJA	ECE	GOOD THROUGH	2.4	Sales and Marketing

3	12A51A0459	KONA VENKATA ANUSHA DEVI	ECE	GOOD THROUGH	2.4	Jr Associate Engineer
4	12A51A0407	V MOUNICA	ECE	Overt Technologies	2.4	JR.SOFTWARE DEVELOPER
5	12A51A0414	B VANI VIDYA	ECE	Overt Technologies	2.4	JR.SOFTWARE DEVELOPER
6	12A51A0429	D L PRASANNA	ECE	Overt Technologies	2.4	JR.SOFTWARE DEVELOPER
7	12A51A0439	G SUNIL KUMAR	ECE	Overt Technologies	2.4	JR.SOFTWARE DEVELOPER
8	12A51A0457	K SASHI DHAR	ECE	Overt Technologies	2.4	JR.SOFTWARE DEVELOPER
9	12A51A0486	M KRISHNA SWETHA	ECE	Overt Technologies	2.4	JR.SOFTWARE DEVELOPE

					R
10	12A51A0493	M NEELIMA	ECE	Overt Technologies	JR.SOFTWARE DEVELOPER
				2.4	
11	12A51A04D1	S RAM PRAKASH	ECE	Overt Technologies	JR.SOFTWARE DEVELOPER
				2.4	
12	12A51A04E2	T ANJANI	ECE	Overt Technologies	JR.SOFTWARE DEVELOPER
				2.4	
13	13A55A0401	A RAJESWARI	ECE	Overt Technologies	JR.SOFTWARE DEVELOPER
				2.4	
14	12A51A04G1	V SAI MANOJ	ECE	OSI TECHNOLOGIES	3	Associate Software Engineer
15	12A51A0457	K SASHI DHAR	ECE	PROLIFICS	3	Software Trainee
16	12A51A04G1	V SAI MANOJ	ECE	INCESSANT TECHNOGIES	2.4	Associate Software Engineer

17	12A51A0497	PADI SRINU	ECE	POLARISFT	3.6	Software Engineer
18	12A51A04F1	VADDI DIVYA	ECE	POLARISFT	3.6	Software Engineer
19	12A51A04G1	V SAI MANOJ	ECE	POLARISFT	3.6	Software Engineer
20	13A55A0413	K YAMUNA	ECE	POLARISFT	3.6	Software Engineer
21	12A51A0422	Y CHANDRIKA	ECE	TRIBRO	1.8	Associate Software Trainee
22	12A51A0461	B SRIKANTH	ECE	TRIBRO	1.8	Associate Software Trainee
23	12A51A0462	S SRAVANTHI	ECE	TRIBRO	1.8	Associate Software Trainee
24	12A51A0469	K SRAVANI	ECE	TRIBRO	1.8	Associate Software Trainee
25	12A51A0471	K DILEEP KUMAR	ECE	TRIBRO	1.8	Associate Software Trainee
26	12A51A0473	K AISHWARY	ECE	TRIBRO	1.8	Associate Software

					Trainee
27	12A51A0488	M NAVEEN KUMAR	ECE	TRIBRO	1.8	Associate Software Trainee
28	12A51A0489	M SRIDHAR	ECE	TRIBRO	1.8	Associate Software Trainee
29	12A51A04B8	P SIVA SAMPATH	ECE	TRIBRO	1.8	Associate Software Trainee
30	12A51A04B9	B PRAVALYA	ECE	TRIBRO	1.8	Associate Software Trainee
31	13A55A0410	J PRAVEEN KUMAR	ECE	TRIBRO	1.8	Associate Software Trainee
32	13A55A0411	K SANTOSH	ECE	TRIBRO	1.8	Associate Software Trainee
33	12A51A0459	KONA VENKATA ANUSHA DEVI	ECE	TRIBRO	1.8	Associate Software Developers
34	12A51A0439	Sunil Kumar Gudla	ECE	CTS	3.6	Software Engineers

35	12A51A0457	Sashidhar Kadambari	ECE	CTS	3.6	Software Engineers
36	12A51A0468	Kasam Lakshmi Prameela	ECE	CTS	3.6	Software Engineers
37	12A51A04A7	Patnala Sindhu	ECE	CTS	3.6	Software Engineers
38	12A51A04F1	Vaddi Divya	ECE	CTS	3.6	Software Engineers
39	12A51A04G3	Yaramula Balireddy	ECE	CTS	3.6	Software Engineers
40	13A55A0413	Yamuna Komanapalli	ECE	CTS	3.6	Software Engineers
41	12A51A0462	SILLA SRAVANTHI	ECE	Infosys	3.25	Software Engineers
42	12A51A0444	I SOUJANYA	ECE	SPHRE SOFT	1.8	ASSOCIATE ENGINEER
43	12A51A0463	KAMAVARAPU RANI MADHURI DEVI	ECE	SPHRE SOFT	1.8	ASSOCIATE ENGINEER
44	12A51A0469	KHANDYANA SRAVANI	ECE	SPHRE SOFT	1.8	ASSOCIATE ENGINEER

45	12A51A04B9	PRAVALYA BARATAM	ECE	SPHRE SOFT	1.8	ASSOCIATE ENGINEER
46	12A51A04C1	POTURAJU MAHALAKSHMI	ECE	SPHRE SOFT	1.8	ASSOCIATE ENGINEER
47	12A51A04G0	VOONNA SAHITHI	ECE	SPHRE SOFT	1.8	ASSOCIATE ENGINEER
48	13A55A0411	KANDYANA SANTOSH KUMAR	ECE	SPHRE SOFT	1.8	ASSOCIATE ENGINEER
49	12A51A04D8	P BHAVANI	ECE	SPHRE SOFT	1.8	ASSOCIATE ENGINEER
50	12A51A0406	BALAGA KIRAN	ECE	MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
51	12A51A0426	DHARMANA RAJESWARI	ECE	MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
52	12A51A0449	JAMI LAKSHMI PRASAD	ECE	MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant

53		KILARI DILLESWARI		MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
	12A51A0470		ECE			
54		KOTNI JOSHAN		MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
	12A51A0477		ECE			
55		MENDA USHA		MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
	12A51A0490		ECE			
56		BARATAM VENKATA VINAY KUMAR		MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
	13A55A0405		ECE			
57		GEMBALI RAMYA		MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
	13A55A0409		ECE			
58	13A55A0410	JAMI PRAVEEN KUMAR	ECE	MAHA ELECTRONICS	1.2	SAP Associate Consultant/Ha

					rdware Consultant
59	13A55A0417	MONINGI SWAGAT KUMAR PATRO	ECE	MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
60	13A55A0422	PEDADA RAVI TEJA	ECE	MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
61	13A55A0434	TUPILLI BHAVANI	ECE	MAHA ELECTRONICS	1.2	SAP Associate Consultant/Hardware Consultant
62	12A51A0445	I SRIVANI	ECE	INTELLIASIA SOFT	2.4	Software Trainee
63	13A55A0409	G RAMYA	ECE	INTELLIASIA SOFT	2.4	Software Trainee
64	12A51A0470	KILARI DILLESWARI	ECE	MOBODEXTER	2.6	Trainee
65	13A55A0405	BARATAM VENKATA VINAY	ECE	MOBODEXTER	2.6	Trainee

		KUMAR				
66	12A51A04D0	Sasanapuri Prudhvi Raj	ECE	RETAILON	3.5	SOFTWARE DEVELOPER
67	12A51A0479	LENKA TEJA	ECE	GOOD THROUGH	2.4	Sales and Marketing
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73	12A51A0457	K SASHI DHAR	ECE	Overt Technologies	2.4	JR.SOFTWARE DEVELOPER
74	12A51A0486	M KRISHNA SWETHA	ECE	Overt Technologies	2.4	JR.SOFTWARE DEVELOPER

GUEST LECTURES

1. Dr. D.Ranghanath,Deputy director doordarshan, has delivered a guest lecture on Satellite communication On 02-01-16

2. Sri Y.Gopala rao, Rtd Professor   A.U has delivered a guest lecture on Transmission lines on 30-01-16

3. Sri G.Tirumalarao , Rtd Professor   delivered a guest lecture on Wavelets in image processing on 27-02-16

4. Sri J.Lakshman kumar TTA Real time problems In Telecommunications on 02-04-16

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