



# NEWS

# LETTER

# Dr. Ambedkar Institute of Technology, Bangalore-56

An Autonomous Institution Affiliated to Visvesvaraya Technological University, Belgaum



### Our Mission:

To Distinctively Serve the Diverse People of India especially the Historically Under Privileged Population

To Provide Affordable High Quality Technical Education at Under Graduate Post Graduate and Doctoral levels

To Emerge as a Lead Institution to cooperate in the development of networked Institutions, and Promote Industry Institute Interaction in a way beneficial and Productive for the Society.



### Message from Principal's Desk

I warmly extend the New Year Greetings to each one of you. The year ahead 2016 is full of promises and hopes for Dr. AIT.

New challenges lay ahead with the institute readying itself for National Accreditation. With international recognition.

The management has its vision to realise Dr. AIT on par with the national reputed universities. This combined with the efforts of each individual member of Dr. AIT fraternity will sure see Dr. AIT in the front runners of higher education.

The placement activities are at the helm. With more companies joining in we hope to achieve highest percentage of placement this year.

Dr. C Nanjundaswamy Principal

### **About the Institution**

Dr. Ambedkar Institute of Technology (Dr. AIT) is managed by Panchajanya Vidya Peetha Welfare Trust. Dr. AIT was established in 1980 by Late Sri. M H Jayaprakash Narayan. An Autonomous Institution aided by the Government of Karnataka.

**Vision**: "To create Dynamic, Resourceful, Able and Innovative Technical Manpower to ensure that India regain her responsible and creative leadership in Technology"

# Inside this

College Activities

**Department Activities** 



DEPARTMENT OF

TELECOMMUNICATION AND ENGG.

## Publications

- 1. Vidya Honguntikar Performance Analysis Of GTS Allocation In IEEE 802.15.4 With CSMA/CA For Wireless Sensor Networks in International Conference on Computers, Communications and systems (ICCCS-2015) on 2nd & 3rd of November 2015.
- 2. Shruthi P.C Wavelength Converter in Optical WDM Networks Using Evolutionary Algorithm IEEE proceedings on 12<sup>th</sup> International Conference on wireless and optical communications at MSRIT, Bangalore on 9<sup>th</sup> to 12<sup>th</sup> September 2015

M Tech. Internship: Students underwent internship at industries like BEL, CAIR, Reliance Communications Ltd. And BSNL

Reported by . Priya HX

# **DEPARTMENT OF**

# **ELECTRICAL ENGINEERING**

# Publications

- 1. Dr. Shankarlingappa **Stability Enhancement of DFIG- based Wind farm connected to a grid using STATCOM**, *IEEE INDICON-International Conference* Dec. 17-20,2015 New Delhi
- 2. Dr. Shankarlingappa **Optimal allocation of distributed generators for minimizing energy losses and maximizing the economic benefits considering cost of energy** *IEEE-ITACT 2015, International Conference, 21-22 Dec. 2015* Bangalore
- 3. Wireless Power monitoring and controlling ICRECT-International conference 17-19<sup>th</sup> Dec. 2015 PESCE Mandya

Reported by: Kalini OS



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

# **Publications**

- 1. Prof. Smitha Shekar B & Prof. Harish G Trends in Automation Communication and Computing Technologies in International Conference, ITACT-2015 on 21<sup>st</sup>, 22<sup>nd</sup> December 2015 at Acharya Institute of Technology, Bangalore.
- 2. Prof. Leena Giri G **In-Page semantic Ranking of Snippets for Web pages** 6<sup>th</sup> International conference on Advances in Computing, Control and Telecommunication Technologies- ACT 2015 October 2015.

# Workshop Attended

Sasirekha A of 7<sup>th</sup> semester participated in Apps Fluxus-20 National Android App Champions workshop on 2<sup>nd</sup> to 3<sup>rd</sup> November 2015

Reported by: Rashmi

# DEPARTMENT OF

## MATHEMATICS

- Dr. R. Murali et.al., *Embedding Index in Graphs*, Journal of Advanced Mathematics and Applications , Volume 4, No. 2, Dec 2015, PP 1-7, ISSN: 2156-7565
- Dr. B. Sooryanarayana Attended and delivered an invitee talk on *Dimension in Graphs*, in one day national workshop on Graph theory and applications held on 17<sup>th</sup> Oct 2015 at Siddaganga Institute of Technology, Tumkur.

#### **Other Activities**

Research Scholar Mr. Kamal kumar completed his final Viva- Voce on 22<sup>nd</sup> Dec 2015 under the guidance of Dr. R. Murali

Reported by: Jayalakshmi M



# DEPARTMENT OF INFORMATION SCIENCE ENGINEERING

# **Publications**

- 1. Vinutha M, Nagalakshmi S, Estimation of Performance of MANET Routing Protocol in a Maritime Environment, IJLTEMAS Volume IV, Issue X, October 2015 ISSN 2278 2540 pp 65-67.
- 2. Soumya N S, Prabha R, Cloud Computing: Data Security Using RSA, IJLTEMAS, Volume IV, Issue X, October 2015 ISSN 2278 2540 pp 57-59.
- 3. Roopini KS, Dr. BS Shylaja Survey on Environmental Energy Harvesting Techniques used for optimizing Energy in WSN, International Journal of Latest Technology in Engineering, Management & Applied Science [IJLTEMAS], Volume IV, Issue XI,November 2015, ISSN-2278-2540 pp.44-46.
- 4. Nandini Prasad K S, Priyanka S P, **Performance of Tracking Public Transport in Heterogeneous Networks** IEEE International Conference on Research in Computational Intelligence and Communication Network (ICRCICN), RCC Kolkata, 20<sup>th</sup> -22nd November 2015, pp. 357-362.
- 5. Nandini Prasad K S, Pratheek T R, **Providing Anonymity Using Top Down Specialization On Big Data Using Hadoop Framework** IEEE INDICON Conference, Jamia Millia Islamia, New Delhi, 17<sup>th</sup>-20<sup>th</sup> Dec. 2015.

# Workshop

Application Development using Android on 17th & 19th, October, 2015



Industrial Visit to: TEJAS Network



# DEPARTMENT OF CHEMISTRY

## **Publications**

- 1. Dr. B. Veena An Electrochemical Study of The Inhibiting Action of Cationic Surfactant Inhibitors on The Corrosion Behaviour of ZA-27 Alloy In 0.5M NaCl National Conference on Recent Advances in Applied Chemistry Organized by Dayananda Sagar University, Bangalore on 17<sup>th</sup> December 2015.
- 2. Mamatha. K. M Study of Thickness Distribution in Selective Gold Plating 8<sup>th</sup> National women's science in congress Swadesi Vijnana Andolana Karnataka, Bangalore on 7<sup>th</sup> and 8<sup>th</sup> November 2015.
- 3. Shruthi. B Synthesis of Nanoscale MgO Particles and Their Effect On The Electrochemical Behavior of Nickel Hydroxide Electrode National Conference on Advanced functional materials (AFM-2015) Dayananda Sagar College of Engineering, Bangalore on 4<sup>th</sup> and 5<sup>th</sup> December 2015

Reported by : SHRUTHI B



- 1. C.A .Malaghan Attended Two days National Seminar on Library Consortia in Digital Age: Opportunities and Challenges on 1st and 2nd December 2015 at Visvesvaraya Technological University, Jnana Sangama, Belagavi
- 2. C.A .Malaghan Attended in the National Conference on Electronic Resource Management and Research Support Services in Academic Libraries on 11th and 12th December 2015, at Dayanand Sagar College of Engineering Bangalore.
- 3. C.A Malaghan Participated as a Rapporteur General in the National Conference on Electronic Resource Management and Research Support Services in Academic Libraries on 11th and 12th December 2015, at Dayanand Sagar College of Engineering Bangalore.



# DEPARTMENT OF INSTRUMENTATION TECHNOLOGY

### **Publications**

Ganapathi V Sagar Convolution Based Face Ganapathi V Sagar A Feature Vector Compres-Recognition using DWT & Feature Vector Com- sion Approach for Face Recognition using Conpression 3<sup>rd</sup> IEEE International conference on volution and DWT International Journal on IJCT ICIIP'2015 21st -24th Dec 2015 Bangalore vol 15, No.1, ISSN 2277-3061,PP6453-6470

## Industrial Visit

Kerala State Electronics Development Corporation LTD, Keltron Controls, Kerala 17<sup>th</sup> October 2015

Around 30 students from 3rd and 5th semester ac- company is located in Alappuzha (District) companied by 2 faculty members visited the indus- Kerala. And Mr. Mohan Kumar guided and extry. The main objective of the visit was to expose plained about various electronics gadgets like actuathe students to industrial adaptation of concepts of tors, sensors etc. used in the industry. Controls and Instrumentation, Power Electronic System and Security & Surveillance Systems. The





# DEPARTMENT OF MEDICAL ELECTRONICS

Android APP Development Workshop

2/11/15 & 3/11/15

workshop was organised by APPSfluxus Delhi, The company is recognised by IIT Roorkie and the three winners will represent the Tech Fest at IIT The workshop cum contest was organised by ME- Roorkie to be held during Mar. 2016. The work-SA (Medical Electronics students Association). The shop was organised by Student volunteers Praful

Pvt. Ltd.

The one day Talk was an Industry component in the curriculum and handled by a Medical Devices Rizwan Khan and Hidayath TransCall India Calibration company called TransCall India Pvt. Ltd. Two of our Alumni entrepreneurs own this company. They did a fabulous job of inspiring the

Dr. Aravind, Head of BioMedical Engineering, Institute for Indian Aerospace Medicine, Indian Air force, Bangalore

Dr. Arayind, spoke on the various human centric design issues and intricacies involved in biomedical engineering in such hostile and demanding conditions. The field offers lot of opportunities for biomedical engineers.

## **PUBLICATION**

Dr. Shanthi KJ, AP Manjunatha, Ravish DK: Neural Network Based Drowsiness Detection System Using Physiological Parameters: IEEE International Conference WIECON ECE-16 Dhaka Bangla Desh Dec. 14 2015

## Workshop attended

- Narasimha Murthy and Chandrasekhar A N attended a workshop on Advanced Experiment Techniques on Data Acquisition in Pharmacological Research at JSS College of Pharmacy Ooty on 05/10/2015
- Ranganath K B attended the workshop



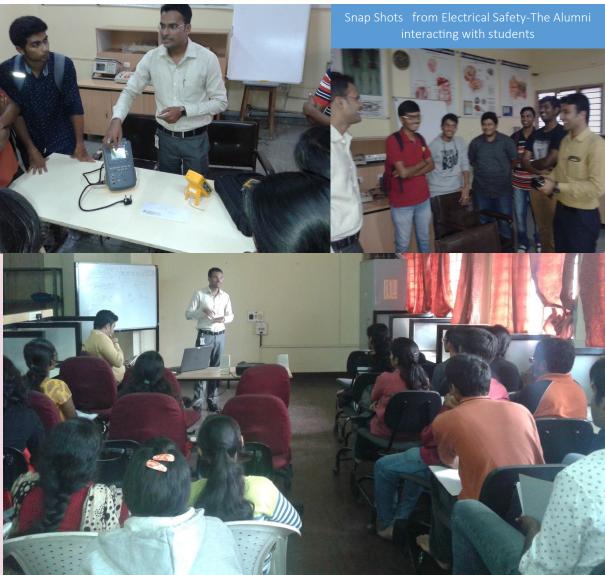
### 36767676767676767676767676767676





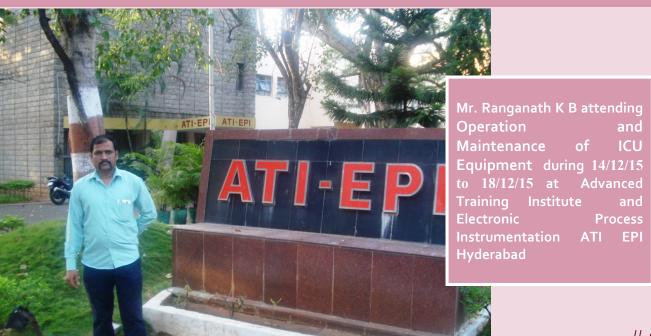








Mr. Enrico Altino from Italy and Mr. Harish of AD Instruments with Dr. TC Manjunath and the ML team. Mr. Altino visited the department on 30th Nov. to enlighten us on a therapeutic equipment for research in the cardiac study with patient maneuvering. The students would get an opportunity to visit and learn about the equipment in one of the hospitals where the equipment is installed.









inal Year students on a Industrial Visit to All India Institute of Sp and Hearing On 06/11/2015







Medical Electronics Students on Hospital Visit to Dr. B R Ambedkar Medical College and Hospitals Bangalore -45

Chief Editor: Principal Dr. C Nanjundaswamy Complied and Edited by: Dr. Shanthi K J Prof. & HOD. Dept. of Medical Electronics

Dr. Ambedkar Institute Of Technology, Near Jnana Bharathi Campus, Bangalore 560 056. Tel: +91-80-23211505/506/507 Fax: +91-80-23217789 Email: principal@dr-ait.org