**Our Vision**

To create Dynamic, Resourceful, Adept and Innovative Technical professionals to meet global challenges
Greetings to all the student friends, parents and other stakeholders.

The college standing by the spirit of its Vision had hosted a very big technical event to showcase the innovations of the young budding engineers to mark the birth anniversary of Bharath Rathna Dr. B R Ambedkar, on April 14th.

We continue to support the cause of contributing to the society and to the nation by providing a holistic growth to the students by imparting quality education and shaping their character as well through Induction Training programme.

The National Project Implementation unit NPIU—MHRD Govt. of India has twinned the Institute of Engineering and Technology under Dr. Ram Manohar Lohia Avadh University, Faizabad, U P, with Dr.AIT for its development through mentoring.
Wishing you all a very peaceful and glorious days ahead!!

Best Regards

Dr. C Nanjundaswamy
Invited talk on “Protection and conservation of Environment” by T. V. N. Murthy, Environmentalist, on 28th February on the occasion of National Science Day.

The event was coordinated by Dr. B Veena Devi Prof. & Head Dept. of Chemistry
Our Mission

* To offer state of the art undergraduate, postgraduate and doctoral programs in the fields of Engineering, Technology and Management.
* To generate new knowledge by engaging faculty and students in research, development and innovation.
* To provide strong theoretical foundation to the students, supported by extensive practical training to meet the industry requirements.
* To instill moral and ethical values with social and professional commitment.

The college is a hub of women folk at all levels. And the privileged group is given a week to have fun and frolic. Various women centric activities are organized by the enthusiastic lot. The International women’s day was celebrated with a women achiever and this time it was the popular playback singer Shamitha Malnad, who in her very simple and confident manner won all the hearts. She inspired everyone to dream and to chase the dream. The dignitaries on the occasion were honourable Secretary Shri AR Krishnamurthy. The Women’s Day was coordinated by Dr. Rajeshwari, IEM department.
Induction Programme

Induction training was imparted to the first year students. The training was organised by the faculty who had undergone rigorous professional training on induction programmes held by the NPIU. The speakers were chosen from different walks of life who inspired the young minds on simple living, human values and ethics. The speakers were Sri. Santosh Kumar KAS, Joint Registrar of cooperative societies, Sri R Krishna, CEO of Ramanuja Management Services, Prof. Laxminarayana Bhat, retired Principal, V.V. Puram college. Sri. M.S.Vadiraja, Sri. Dhana Kumar, Director IIPM (Indian Institute of Plantation Management, an organization of the Ministry of Commerce & Industry, GOI), Dr. Sudha Shankar, from Prajapita Brahma Kumaris Ishwariya Vishwa Vidyalaya, DISHA foundation, Malleshwaram, Bangalore, engaged the student through activities. Banthe Bodhidatta Thera, a Buddhist monk from Nalanda University, enlightened about Bhagawan Buddha’s life. Students were introduced to practice meditation. Madhyastha Darshan philosophy that covered Human values and ethics from the point of view of Sri A. Nagaraj, a pioneer on Chetana Vikas. This was conducted by Sri. Rakesh Gupta, an engineer by education and a practitioner of this philosophy.
Glimpse of the various student activities during the induction training.
**Publications**

|-----------------|-------------------------------------------------------------|-------------------------------------------------------------|

IV Sem. Students visited IBM—Bangalore on 15th March

Mr. Varun an Alumnus, Quinnox Consultancy Service and Mr. Suresh, Relyon Soft tech Limited a Seminar on *Industry expectations and challenges* on 17th March 2018
Workshop Attended

Dr. Dharani N.V, Ms. Shivaleela: workshop on Software Testing Automation Tool at Acharya Institute of Technology, Bangalore during 08/02/2018 to 10/02/2018.

PhD Awarded

Dr. Dharani N V has been awarded a Ph.D. degree from the VTU for her thesis titled Position-Based Routing Protocols for Vehicular Nodes Moving at Different Velocities in Vehicular Ad Hoc Networks (VANETs) for Urban Scenarios.
Publications


REPORTED BY: Shruthi B
Department of Civil Engineering

Workshop Organised

1. Finishing school on, **Technical Challenges for Civil Engineering Graduates** - 9th and 10th February 2018 under TEQIP-III
2. Finishing School on **Recent Developments in Highway Engineering** - 14th March 2018 under TEQIP-III

Industry Visits

RTPS, Raichur, Supa Dam and Dandeli from 1st to 3rd March, 2018.
Visit to Thoraikadanahalli Water Treatment Plant on 12th March, 2018.


Dr. CHANDRASEKAR, Associate Professor has been awarded 2018 Best Theoretical-Oriented Paper Award for his paper on The Environmental & Water Resources by Institute of American Society for Civil Engineering will present this award during the World Environmental & Water Resources Congress 2018 in Minneapolis, Minnesota, during the Environmental Council Luncheon and Awards Ceremony which will be held on Tuesday, June 5, 2018 at Minneapolis.
<table>
<thead>
<tr>
<th>Department of Information Science &amp; Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Publications</strong></td>
</tr>
<tr>
<td>Dr. Nandini Prasad K.S  <strong>Development of On-Board Diagnostics for Car &amp; it’s Integration with Android Mobile</strong> at 2nd <em>International Conference on IEEE Computational Systems and Information Technology for Sustainable Solutions</em> at RVCE, Bangalore held from 21/12/2018 to 23/12/2018.</td>
</tr>
</tbody>
</table>

| **Workshops Organized**                        |
| Cyber Security and Forensics in association with Geeks Lab New Delhi Noida from 26/03/2018 to 28/03/2018. |
| **Data Analytics Using R** in technical association Data Satva from 16/04/2018 to 21/04/2018. |

| **Seminars Attended**                          |
| Dr. B. S. Shylaja Symposium on Cyber Security and Forensics at Subex on 25/4/2018. |
| Ms. Shilpa Biradar Data Science and Communication Networks during 2/1/2018 to 6/1/2018 at BMSCE, Bangalore. |

| **Industrial Visits**                          |
| 1. Industrial visit to ISRO organized by departments of ISE, TCE and EI on 28/12/2017. |
| Industrial visit to Tata Consultancy Services, Trivandrum on 19/1/2018. |
Snap Shots of the events
DEPARTMENT OF TELECOMMUNICATION ENGG.

Publications


Workshop Attended

1. Usha Rani M.A, Sowmya M, & Shruthi P.C. National Workshop on Research Information Management in a Networked Environment on 1st and 2nd March 2018, at Dr. AIT
4. Mahesan K V Latest Research Trends in IT Industry on 10.02.18 at Dr. AIT.
5. Kavitha Narayan B M & Sowmya M Administration Fundamentals of Sales Force Cloud Platform during 5th to 9th February 2018 at Dr. AIT
6. Kavitha Narayan B M & Shruthi P C Intelligent Algorithms & Applications during 17th to 19th January 2018 at Dr. AIT

Industrial visit to Institute of Satellite Telecommunication Pvt. Ltd Pune.
Various technical events were held as a part of the event.

Gaurav J & Darshan H O  Secured First Prize in the National Level Techno Exhibition at Dr.AIT on April 14th 2018, for a project titled Novel Technology for Remote Monitoring of Waste Water Treatment Plant The project was funded by Bill and Melinda Gate Foundation in association with BITS GOA
Technical Talk Delivered:

Dr. Prashanth C.R at a Seminar on Choice Based Credit Systems and its Implications on 16th February 2018 at APS college of Engineering, Bangalore.

KSCST Sponsored Student Projects

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Project Title</th>
<th>Student Name/ Guide name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Andriod based Warfield ROBOT with Wireless Night Vision Camera</td>
<td>Team Leader: Mr.Chethan Gowda H S, Guide: Mrs. Usha Rani M.A</td>
<td>Rs.6000/-</td>
</tr>
<tr>
<td>2.</td>
<td>ARM CORTEX M3 based Secured Data Transmission for Examination System</td>
<td>Team Leader: Mr.Bhargava.P, Guide: K V Mahesan</td>
<td>Rs.5000/-</td>
</tr>
</tbody>
</table>

REPORTED BY: Sudha T & Usha Rani M.A
INTERNATIONAL PATENT

Dr. B.V Sumangala and Mr. S Vasudeva Murthy obtained a US Patent for their invention on A Process To Extract Liquid Dielectric Coolant From Rice Bran Oil

Technical Talk

1. **Power Quality Issues and Its Impact** on 3/02/2018, Speaker Dr. Pradip Kumar Dikshith, Professor at MSRIT Bengaluru
2. **Real Time Power System Operation & Control** on 26/03/2018, Speaker Mr. Raghuram, former Executive Director, SRLDC
3. **Technical Paper Writing Do’s and Don’ts** on 21/01/2018, Speaker Professor Raghuram-IISc Bengaluru

Workshop Organised

**Modeling & Simulations for Power Electronics & Drives using MATLAB** during 20th—24th Feb. 2018, in association with Kalyan Ram from Electrono Solutions

**Faculty Development Programme**

**Intelligent Algorithms and Applications** during 17/01-19/01/2018, Speaker Shri. Gangaprasad.

Four Faculty members attended the **Workshop on CCS and DSP Lab** 23-24/01/2018 RNSIT Bengaluru

Talks Delivered

Dr. B V Sumangala Delivered a Talk on **Applications of FACTS Controllers** on 21/03/2018 at R.V College of Engineering, Bangalore

Dr. Jyoti P Koujalagi Delivered a Talk on **Switched Reluctance Motor and its Control** 24/2/2018, BNMIT, Bangalore
INDUSTRIAL VISITS

IV Sem. students at Simsha 5 kW Solar Plant on 06-02-18

VI Sem. Students Varahi Underground Hydro Power Plant on 12-02-2018
INDUSTRIAL VISITS

VIII Sem. & M Tech. Students  Supa Dam Power House on 01-03-18
Inauguration of TANTRIX – 2018 an Inter College Technical Fest

On 28th March

The Rangoli contest during Kalarava
Tejaswari who won the first Prize

REPORTED BY: Nalini S


M V Vijaya Kumar Implementation of Modified SARSA learning Technique in EMCAP International Journal of Engineering Technology – February 2018


Prof. Smitha Shekar B Survey on Routing Protocol, Path loss models and Communication Technologies for Heterogeneous Networks International Journal of Emerging technology and Advanced Engineering, Volume 8, Issue 1, January 2018

Workshop Organised:

Machine Learning and Data Analytics A NEW FRONTIER 23rd & 24th Jan. 2018
Speakers: Mr. Balachander Agoramurthy Co-Founder & CTO Innov4Sight Health and Biomedical Systems Pvt. Ltd., Bengaluru, Mr. Anant Rajee Bara and Mr. Snijesh V P.

Administration Fundamentals of Sales force Cloud Platform 5th & 9th Feb. 2018
Speakers: Mr. Rajesh Nambiar, Program Manager – Trailhead for Students (APAC), salesforce.com India Pvt. Ltd. Bengaluru, Mr. Kumara Murali Salesforce.com India Pvt Ltd.
A Government of Karnataka Sponsored Workshop on Internet of Things Based Boot Camp on Smart Governance on 23rd & 24th March. In Association with

**Speakers**: Dr. H S Jamadagni, IISC, Bangalore

---

**Workshop On**

**ACADEMIC INTEGRITY AND PLAGIARISM PREVENTION 15th March 2018**

*Speakers:* Dr. B S Mahanand Dept of ISE, SJCE, Mysore and Dr. Sunil M.V Dept. of Library & Information Science, SDM Institute for Management Development, Mysuru.

---

**Workshop On**

**APPLICATION DESIGNING USING Qt– FRAMEWORK 19th to 25th February 2018**

*Speaker:* Dheerendra from Pthinks
Interrupt 7.0 is a 2-day Techno Cultural Fest on 9th and 10th of March 2018.

Mr. Prabhudeva V H, Enterprise Architect and Consultant, Tata Consultancy Services Limited was the Honorable Chief Guest. The diverse number of events conducted this year made interrupt one of the most unique and sought-for fest in Bangalore. The technical events are Rapid Chess, Code Art, QR hunt, Tattoo mania, Fusion, Blind world, etc.

All the above events received a very good response and reviews from participants and audiences alike. It also received rave response from participants from other branches as well. To top it all, on the second day the cultural events such as dance, drama and singing kept the audiences and participants entertained and gave a platform for students to showcase their talents on a larger stage.
Medical Electronics Students Association—MESA organized a Tech Paper Contest on 03/04/2018 covering all interdisciplinary topics related to Medical Electronics. The event was sponsored by a private company Life Sciences Bangalore.

Technical Talk on **Multi Modal Imaging for Medical Applications** on 24/03/2018 by Mr. Arun Shreedhar—Philips Healthcare Bangalore an Alumnus of the department
Internship at BGS Global Institute of Medical Sciences Bangalore for 6th semester during 08/01/2018 to 19/01/2018

6th semester students at National Institute of Mental Health & Neuroscience– NIMHANS– Bangalore during 27th & 28th Feb. 2018
<table>
<thead>
<tr>
<th>Workshop Organized</th>
<th>Research Information Management in a Networked Environment on 1\textsuperscript{st} and 2\textsuperscript{nd} of March 2018</th>
</tr>
</thead>
</table>
| Technical Talk Attended | H. J. Nataraja  
Library and Information Science Profession at the Crossroads: Challenges and Opportunities for a Great Future  
on 28\textsuperscript{th} March 2018 at Documentation Research & Training Centre Indian Statistical Institute Bangalore. |

**REPORTED BY:**  
H G Nataraja
Mr. Gagan representing State team in Cycling Nationals at Jamkandi during 25th to 28th October 2017.

Mr. Akshay Ram of I semester Civil selected for the state Hand Ball team and participated in the nationals held at Tenali Andhra Pradesh on 24th to 26th January 2018.
J.P.N Staff Tournament

The Tournament for Cricket, Volley Ball, Kabaddi, and Throw ball for women was held in the month of December 2017.

Student Participation in EVENTS
Basket Ball Teams (Men and Women) participated in R.V.C.E. Tournament in the month of January 2018.
Cricket team participated in R V C E cricket Tournament in the month of January 2018.
Foot ball team participated in V T U Foot Ball tournament held at MSRIT Bangalore on 20th and 21st February 2018.
Cricket team participated in VTU Cricket Tournament held on 1st March 2018 at C M R I T Bangalore.
Cricket team participated in VTU volley ball Tournament held on 2nd March 2018 at H K B K Bangalore.

REPORTED BY : K J SHIVAKUMAR
Physical Education Director

EDITORIAL :
CHIEF EDITOR : Dr. C NANJUNDASWAMY, Principal
EDITOR : Dr. SHANTHI K J, HOD Medical Electronics

DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, OUTER RING ROAD MALLATHALLI BANGALORE-56
PH. NO. 23218534,23211232, FAX: 080-23217789 WEBSITE www.dr-ait.org