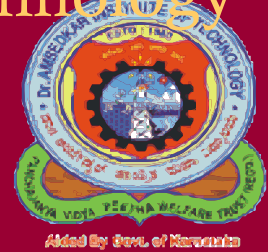


# Dr. Ambedkar Institute of Technology

(An Autonomous Institution Aided by Govt. of Karnataka)

Affiliated to Visvesvaraya Technological University Belgaum

Mallathalli Bangalore 56



**Jan.-Apr. 2019**



## Our Vision

To create Dynamic, Resourceful, Adept and Innovative Technical professionals to meet global challenges



## *From the Principal's Desk*

Greetings to all the readers!

The News letter presents various academic and non academic activities and it reflects the vibrant atmosphere of Dr. AIT. It has always been a proud moment to the team at AIT to have a relook into the tasks accomplished and to set new goals.

The institute has figured in the NIRF at position 163 to be one of the top 200 institutes in the country. The steady growth of the institute is attributed to the vision of the management. And all the faculty and staff under the encouragement of the management have been successful in delivering their best to the students and to the society in large.

Dr. AIT represented the Indian delegates team in the Indo-Israel Space Tech Leadership Programme at Israel. The institute will continue to work on this to motivate students to join the student satellite mission.

Best Wishes to all !

Warm Regards

Dr. C Nanjunda Swamy

## 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.

In September 2018 during 6 Indian Technology Congress at Bangalore, representatives of Academia, Space-Industry and R&D conglomerated to deliberate on the advancement of student-built satellites across the world. The inkling to this initiative is to reinforce Space-Tech competencies in Indian Institutions and Universities by adopting best practices followed at prevalent international organisations. The outcome of the deliberations conclusively emerged in establishing a consortium “75 Students Satellites: Mission 2022”. To develop a framework for accomplishing the mission objectives of the consortium, ITCA initiated collaborative efforts with Israeli Space institutes for capacity building through training and exploratory visits. The envisioned visits expected to enhance the understanding of design parameters and system engineering concepts for launching and deploying the small satellites. In this context, the first international Indo-Israel Space

-Tech leadership programme is designed and organised during 10-15 February 2019.

The scientifically designed exploratory visit to Space Industry, R & D establishments and Universities in Israel facilitated significant acquaintance of small satellite development, insights of best practices and captivating collaborative openings besides funding opportunities. A twenty-member delegation from nine engineering institutions visited Space-organisation of Israel for progressing their institutional missions in developing the small satellites by students

A team of management, Principal and Professors were part of the Indian delegation. The team had the opportunity to visit Tel Aviv university, Technion Israel Institute of Technology, Ben Gurion University of Negev and other research laboratories in Israel.



Prof. Chaim Ershed, Chairman, Space Committee, Ministry of Science, Technology, Israel with the ITCA team

## 5th National Level Techno Exhibition

13th April 2019

An event of National Importance to promote innovation practices among the budding talents of the country. The Techno exhibition was organized on 13th April, the eve of Bharatha Ratna Dr. B R Ambedkar Jayanthi. Dr. AIT pays tribute to the great son of the soil Bharatha Ratna Dr. BR Ambedkar in true spirit of development and progress by encouraging the young minds.

The Chief Guest on the occasion was **Dr. A S Kiran Kumar, former Chairman ISRO**, he complemented AIT for arranging the event. He said this is a significant way where in the students can put into practice what they have learnt through their knowledge and skill. The country is regaining its position both in terms of economy and science. The younger generation has tremendous potential and opportunity. He remembered Satish Dhawan and Vikram Sarabai. He said that India has demonstrated to the world the use of satellite for mass communication. Now India has more than 50 satellites on space and the credible achievement for India is the launch of PSLV for multiple orbit launching. India has the highest space resolution 5 mts. in IRS-I

His word of advice for the youngster was to work hard as the human brain needs tremendous amount of work to achieve success. And he said that the youngsters are on the threshold of making India the best.

He concluded congratulating Dr. AIT and also suggested to take the best projects ahead which can contribute to the society

Honourable Chairman Shri S Mariswamy in his address, asked the youngsters to work with scientific temperament and with social conscious.

Teams from all parts of the country participates in the technical exhibition, a screening committee selects 100 projects from more than 250 entries. The selected projects with various identified themes were exhibited. The best three projects will be awarded cash prizes. The first prize was bagged by the students of Institute of Engineering and Technology, Ayodhya U P for their project titled **SMART MILITARY CAMP**.



Team IET Receiving the First Prize from the Jury Prof. L M Patnaik



## Ambedkar Jayanthi Celebrations April 14<sup>th</sup>

Shri Anand Teltumbde



Chief Guest

Garlanding

Ambedkar Statue

in the

Institute Premises

April 14<sup>th</sup> Dr. BR Ambedkar Birth Anniversary is a day of celebrations for Dr. AIT. As a tradition every year, scholars with rich knowledge on Dr. BR Ambedkar's work and contributions to the country will be invited as chief guest. Prof. Anand Teltumbde was the chief guest, this year.

The function began with Dr. C Nanjundaswamy, Principal Dr. AIT delivering the welcome address. He started with a highly emotive note that, he owed his very success in life solely to Dr. B R Ambedkar. He then went on to welcome the gathering and introduced the chief guest to the gathering.

The Chief Guest, addressed the audience and enlightened the gathering about Dr. BR Ambedkar. He described Ambedkar as a phenomenon that the caste has ever produced, a scholar extraordinary and the tallest of the tall. He also expressed his concern that India is now more casteist than probably it ever existed. And that's what Ambedkar feared. He said that Ambekar cried in desolate in his last days. India kept on growing in inequality, Ambedkar wanted socio-economic equality in political democracy.

Honourable Trustee Shri S Shivamallu in his speech expressed that Ambedkar's speeches have to be consolidated in a volume and should put into practice his principles. He suggested that Ambedkar Study Centre may look into this, and we should also adapt his love for books.





Dr. M Mahadeva, honourable Secretary and managing trustee addressed the gathering. This year the management recognised the contribution of the faculty who brought laurels to the institute through academic excellence and honoured them. The faculty members were Dr. B V Sumangala, Professor Electrical & Electronics Engg. Department & Dr. Vasudevamurthy for a USA patent.

Dr. Siddaraju Prof. & Head Department of Computer Science, was conferred with the prestigious DSc. Doctorate in Science, and Dr. Vijayakumar, Prof. & Head department of Information Science & Engg. was conferred with DSc. in Robotics. Both the degrees were awarded from University of Tonga Australia





## Salesforce Get Set Go! On 9<sup>th</sup> February 2019

The Sales force Student Group: conducted a workshop for 3<sup>rd</sup> year CSE students, which was an introductory session about the Salesforce Trailhead Platform. The speakers were Mr. Kishore B T, Senior Salesforce Developer at TEK Systems and Mr. Kumara



## Namma Lightning Web Components-First Developer Week 2019 on 16<sup>th</sup> February 2019

Final Year Students volunteered for the event hosted by Bangalore Developer Group. The event exclusively disclosed the features of the newly released Lightning Web Components, a programming model

Under the TEQIP III Twinning Programme the faculty of Computer Science gave lectures on varied topics at Institute of Engineering & Technology Ayodhya UP.

Dr. Smitha Shekar B, Dr. Harish G and Ms. Asha K N were the speakers at IET Ayodhya



## Speakers



Nirankush Panchbhai

Salesforce

VP, Product Management



Shashank Srivatsavaya

Salesforce

APAC Head Developer Relations,  
Salesforce



Satya Shekhar

Salesforce

Senior Developer Evangelist



## Industrial Visits :

- \* **Tata Consultancy Services, Mapusa, March 23, 2019,**
- \* **MCF , Hassan, on March 25, 2019:** The students were exposed to the making of satellites in the clean room and were given a glimpse of the equipment and manpower involved in the making, testing and launching of satellites. The tour was extremely informative and greatly benefitted the students and enhanced their knowledge about ISRO and its satellites. It was followed by an informative and interesting movie showing the establishment of the organization and the immense achievements of ISRO in the past and its plans for the future. One of the Scientist members provided the valuable information on how MCF monitors and controls all the geo-stationary satellites of ISRO. It carries out operations related to initial orbit raising of satellites, in-orbit payload testing, and on-orbit operations throughout the life of these satellites.



## **Work Shop On Application Designing Using Machine Learning Tools in Python**

12<sup>th</sup> to 16<sup>th</sup> March 2019.





## INTERRUPT 8.0

Interrupt 8.0 is a Techno cultural fest organized by the Department of Computer Science & Engineering of Dr. Ambedkar Institute of Technology on 18<sup>th</sup> March 2019.

The chief guest Air Vice Marshal Mr. B K Murali, AVSM, VSM (retd), Former Assistant Chief of Air Staff, Indian Air Force, Mr. Sunith.C, Senior H R Manager commenced the technical fest with his talk. The diverse number of events conducted this year made interrupt one of the most unique and sought-for fest in Bangalore. The technical events were 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 responses from participants from other branches as well. Interrupt 8.0, in the end, overthrew expectations and left winners and participants alike



1	Nithin Kumar B	Hackathon , NMIT 23-01-2019 & 24-01-2019
2	Ravi Kumar Tiwari & Team	<b>Mars Rover Robot for Security and Military Applications</b> Techno-Exhibition 2019 Dr.AIT on 14-04-2019
3	Santhosh Pipalwa & Suha S Rani	<b>Diseased Leaf Detection</b> Techno-Exhibition 2019 Dr.AIT on 14-04-2019
3	Shivani kumara & Team	<b>IOT Water Quality Monitoring System</b> at National Level Technical Exhibition, Sambram Engineering College on 03-05-2019
5	Suhas U & Team	<b>College Bus Tracking ,Fuel monitoring and Attendance Monitoring system</b> at National Level Technical Exhibition, Tech Vyuha 2.0 Global Academy of Technology 06-05-2019

### Work Shop On Application Designing Using Machine Learning Tools in Python

12<sup>th</sup> to 16<sup>th</sup> March 2019.

## CONGRATULATIONS

### PhD AWARDEES

**Dr. Smitha Shekar B** for her thesis Titled Ph.D - **Vehicular Ad-Hoc Networks For Modeling, Simulation and Analysis Of Communication In Het-net Scenario** from JJT University, Rajasthan



**Dr. Harish G** for his thesis Titled **Smart Garbage Collection Model using IEEE 802.11 - A Novel Approach for Active Monitoring, Data Analytics & Visualization** from JJT University, Rajasthan



**Dr. Leena Giri G** for her thesis titled **Algorithms for Keyword and Context Query in the Web** from the University of Bangalore



## Department of Information Science & Engineering

Workshop on Innovative Pedagogy for Effective Teaching during 16/1/2019 to 18/1/2019.

Mrs. Vidya Rani H J, Mrs. Shilpa Biradar and Mrs. Jyothi S have attended One day workshop on Search Made Easy: Tools And Tips For Searching Of Scholarly E-Resources at Dr.AIT on 14/01/2019.

Dr.Nandini Prasad K.S has attended Five Days FDP on IoT with Cloud Applications at SMVDU, Katra during 4/2/2019 to 8/2/2019 .

Dr. P. S. Shylaja has attended a workshop on Nation Cyber Safety and Standards at CU-Industry Visit on 2/3/2019.



NATIONAL INSTITUTE OF OCEANOGRAPHY, Goa during 21/3/2019 to 23/3/







## Innovative Pedagogy

Chief Guest Dr. S K Prasad, School of Management Studies delivered the key-note address on **Trends In Pedagogy**. Dr. Pratima, Prof. & Head, Teaching – Learning Centre, GAT, Bangalore delivered a talk on **Active Learning As Effective Pedagogy On Today's Google Era**. The collaborative teaching- learning method was emphasized and the challenges of teachers were also discussed.

Dr Shashipriya T R, Dr. AIT enlightened the participants about **Self-Awareness and Self-Assessment** workshop also included Yoga and Meditation .



Reported by Dr. Nandini Prasad

Work Shop on 25<sup>th</sup> March

### Recent Advancement in Construction Practices & Concrete Technology

Dr. Aravind Galagali was the chief guest, a Structural Engineering Designer and Civil Engineering Consultant.

**Dr. Aravind Galagali** presented a technical session on **Great Civil Engineers** where he emphasized the role of a Civil Engineer in the construction field. His lecture was basically to share the information of the Civil Engineering profession.

**Mr. H.R Girish**, Project Management Consultant, presented a talk on Technology Challenges For Budding Civil Engineers.

**Dr. L.R Manjunath** General Manager JSW Cement Pvt. Ltd. He gave a presentation on Alternative Building Materials.



Work Shop on Feb. 7<sup>th</sup> & 8<sup>th</sup>

### TECHNICAL CHALLENGES IN CIVIL ENGINEERING Feb. 7<sup>th</sup> and 8<sup>th</sup>

Sri. B S Sureshchandra, Structural Consultant, delivered a lecture on **Reinforced Concrete Design and Detailing According to Codal Provisions**. The talk covered topics on Base Isolation, Dampers, Ree-bar & Infills and the importance of Indian Standard Code SP-34.

Mr. H R Girish, Consultant delivered a talk on **Technical Challenges For Budding Civil Engineers**. He shared his experience of building various structures in Dubai and also time management in completion of a project.

Mr. Shankarappa, Design Engineer and Professor of ISEC, NITK delivered a lecture on **Challenges Faced in Practical Implementation of Specifications Mentioned in Detailing Of Reinforcement**. He also addressed about the challenges faced in Basement Construction Mr. Umesh Rao, Consultant, delivered a talk on **Construction Challenges Faced In Construction Of Large Grid Spacing Of Columns With Waffle Slab To Suit Interior Design**.



Mr. S. Mruthunjaya, Chief Engineer, KPTCL, delivered a talk on Construction Challenges Of Hydro Power Projects. He shared his experience with visual images of construction of cooling towers and chimneys

Faculties explained the formation of sites of dimensions 30m x 40m and 40m x 60m on field and how to mark Centre line of the plan, how to mark the columns and footing in site and also about orientation of columns and footings for a residential building. They also explained marking of drainage lines, electrical lines and roads on field. Students executed the same by forming groups on field.



Dr. B Shivakumar Swamy Welcoming  
Mr. S Mruthunjaya



Mr. B Umesh



Field Work

### INDUSTRIAL VISIT

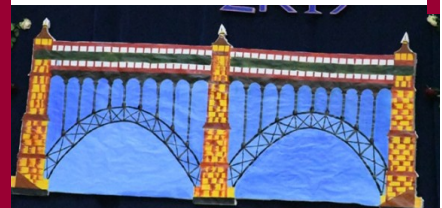
**Water Treatment Plant at  
T K Halli, on 25<sup>th</sup> March**



### **AAKAR 2K19**

**3rd April 2019**

Students Technical Club organized the Technical Event AAKAR 2K19. The Chief Guest Sri M.N Ramesh Managing Director, Talrak Construction Pvt. Ltd delivered a Talk on **Privileging Job Opportunities For Civil Engineers.**





### Workshop/Conference Attended

Dr. B. Shivakumaraswamy, National Level workshop on **Trends and Challenges in Higher and Technical Education** at Engineering Staff College of India, Port Blair (A&N) held during 19 – 23 January 2019.

Dr. H R Srinivas, Prof. M R Suresh, Prof. T Chandrashekaraiyah, Dr. K V Manjunath and Dr. Chandrasekar attended STTP on **Solar, Wind and Non Conventional Source of Energy** at NITTTR Chandigarh during 11<sup>th</sup> -15<sup>th</sup> March 2019.

Ms. Spoorthy M, Ms. Meri BhagyaJyothi, Mr. Shreyas K, Mr. Sharath B and Mr. Naveenkumar M attended workshop on **Applications of CAD in Engineering** at NITTTR Chandigarh from 25<sup>th</sup> Feb. to 1<sup>st</sup> March, 2019.

Dr. S. Vijaya, attended National Conference on **Equity: Achievements and Challenges in India** Jointly organized by the NPIU, MHRD, Govt. of India, New Delhi and SPIU, Maharashtra State, Mumbai in association with the College of Engineering, Pune (COEP) on 15<sup>th</sup> and 16<sup>th</sup> March, 2019.

### **CONGRATULATIONS**

**Professor H R Srinivas** was Awarded the Ph. D degree from Bangalore University, for the thesis titled **Behaviour of High Performance Reinforced Concrete Layered Beams**, Feb. 2019.

#### **Ph. D Awarded from the Civil Engg. Dept. Research Centre.**

#### **Under the Guidance of Dr. MN Hegde**

- \* **Ms. B. Surekha** on the Theses titled ,“Energy in Construction and Maintenance of Buildings
- \* **Mr. Siddesha H** on the theses titled **Assessment of Global Response of Structures from Local Damage Observations: Experimental and Analytical study**
- \* **Ms. Jyothi Roopa H P** on the theses titled **Hydrological Study Of Arkavati Reservoir Catchment And Its Command Area With Special Reference To The Impact Of Water Pollution on Soil, Water And Crops Using RS And GIS** under the guidance of **Dr. K V Lokesh** 27-03-2019

Reported by Dr. S. Vijaya

### Journal Publications

- \* C.E. Nanjundappa, Ms. R. Ashwini, **Penetrative Deetro Thermal Convection In A Dielectric Fluid Saturated Porous Layer Via Internal Heating: Effect Of Boundary Conditions**, *International Journal Of Applied And Computational Mathematical*, Vol 5, No. 2, April 2019.
- \* B. Sooryanarayana, **Unique Metro Domination Number Of Circulant Graphs**, *International Journal Of Mathematical Combinatorics*, Vol 1, 2019, pp 53-61, ISSN 1937-1055.
- \* B. Sooryanarayana, **Metric Dimension Of Generalized Wheels**, *Arab Journal of Mathematical Sciences*, April 2019, ISSN: 1319-5166.
- \* B. Sooryanarayana, **Radio Number of Transformation Graphs of a Cycle**, *International Journal of Applied Engineering Research*, Vol 14, Number 5, 2019, pp: 1189 – 119, ISSN 0973-4562.
- \* B. Sooryanarayana, **Strong Alliances in Graphs**, *Communications in Combinatorics and Optimization*, Vol 4, Issue 1, 2019, pp 1-13, ISSN Print: 2538-2128.
- \* R. Murali, **Complementary Edge Domination In Shadow Distance Graphs**, *Bulletin of International Mathematical Virtual Institute*, vol. 9, No. 1, Jan 2019, pp 47-56, ISSN: 2303-4874.
- \* R. Murali, Kulkarni Sunitha, **Rainbow Coloring In Some Corona Product Graphs**, *Malaya Journal of Mathematik*, Vol 07, No. 1, Feb 2019, pp: 127-131, ISSN: 2321-5666.
- \* R. Murali, **Hamiltonian Laceability In The Shadow Distance Graph Of Path Graphs**, *Malaya Journal of Mathematik*, Vol 7, No. 1, Feb 2019, pp: -118-121, ISSN: 2321-5666.
- \* R. Murali, **Laceability Properties In Edge Tolerant Shadow Graphs**, *Bulletin of International Mathematical Virtual Institute*, Vol. 9(3), March 2019, pp: 47-56, ISSN: 2303-4874.
- \* Jayalakshmi M, Padma M M, **On Classes Of Rational Resolving Sets Of Derived Graphs Of A Path**, *East Journal of Mathematical Science*, Vol. 110, No. 2, Feb 2019, pp: 247-259, ISSN:0972-0871.

### Conference Attended

Dr. Jayalakshmi M : **On Classes Of Rational Resolving Sets Of Power Graph Of A Path**, Padma M M, **Presented On Varieties Of Rational Metric Dimensions Of Certain Classes Of Regular Graphs**, in *International conference of Mathematics and applications at Mahidol University, Bangkok, Thailand*.

Dr. Jayalakshmi M Presented **On  $K$ -Local Resolving And Rational Resolving Sets Of Graphs**, Padma M M, **Presented On Variety Of Rational Resolving Sets Of A  $K^{\text{th}}$  Power Of Cycle**, In *The International Conference On Emerging Trends In Graph Theory* from 27-28 Feb 2019 at Christ University, Bengaluru.

### Conference Attended

*At National Conference On Recent Developments Of Mathematics In Industrial Applications* from 11-12 April 2019 at Kuvempu University, Shivamogga.

- \* Mrs. Nagarathnamma H: **Temperature Dependent Viscosity On Onset Of Benard Marangoni Ferro Fluid Layer,**
- \* Mrs. Savitha Y. L: **Temperature Dependent Viscosity And Quadratic Density With Saturated Porous Medium,**
- \* Ms. Bhavya S : **Internally Heated Ferro Thermal Convection in A Ferro-fluid Saturated Porous Layer**

### BEST PAPER AWARD

- \* Mrs. Savitha Y. L **Thermal Convection In A Ferrofluid Saturated Porous Layer :Effects Of Temperature Dependent Viscosity & Quadratic Density**

Ms. Bhavya S presented **Ferro Thermal Convection In A Saturated Porous Layer With Internally Heated Ferrofluid** *National Conference On Emerging Trends In Applied Mathematics* on 4<sup>th</sup> May 2019 at SJBIT, Bengaluru.

Ms. Nagarathnamma H, Mrs. Ashwini R, Mrs. Pavithra, Mrs. Savitha Y. L, Ms. Bhavya S, Participated in the **National Symposium on Mathematics and its Applications** on 27<sup>th</sup> April 2019 at Jnana Bharathi , Bengaluru

- \* Dr. B. Sooryanarayana **N-Labeling Of A Graph**, at the *International Conference On Mathematics And Applications (ICMA-MU 2018)* held on Dec16-18, 2018 at Mahidol University, Bangkok, Thailand.
- \* Dr. R. Murali **Rainbow Colouring** on 24<sup>th</sup> Jan and on a **Subclass Of Hamiltonian Graphs** on 25<sup>th</sup> Jan 2019 at Kongundu Arts and Science College, Coimbatore.

**TALK DELIVERED** at Institute of Engineering and Technology, Dr. Rammanohar Lohia Avadh University, Ayodhya UP

- \* Dr. Jayalakshmi M, **An Informative Lecture On Linear Algebra**
- \* Ms. Sunitha Kulkarni **An Informative Lecture On Conformal Mapping** at Institute of Engineering and Technology, Dr. Rammanohar Lohia Avadh University, Faizabadh, Uttar Pradesh



*Congratulations*



Ms. Nagarathna was Awarded PhD for the theses titled **Rayleigh-Benard and Marangoni Convection with or without Internal Heat Generation** from VTU

**Dr. B. Sooryanarayana** received **VGST Award for Research Paper Publications (2017-2018)** on 24-11-2019 from Bharatha Rathna Prof. C. N. R. Rao.

**Research Centre of Mathematics:** Mr. Vijaya Chandra Kumar U, was awarded Ph.D. under the guidance of Dr. R. Murali.

**REPORTED BY: Dr. Jayalakshmi M**



### Workshop On

### **FORMULA FOR SUCCESS** 12/03/2019 to 14/03/2019

The workshop was organised in association with Unique Consultancy Services, Bangalore. The workshop focussed on Personality Development. The speakers from this organization discussed and trained the participants on very relevant topics such as Goal Setting, Communication Skills, Group Discussion, self



### Workshop On Embedded System Design & IoT 9th –15th October

The workshop was organized in association with EDGATE Technologies Bangalore. This workshop was organized as a twinning activity to the mentee institute Institute of Engineering Ayodhya. In the workshop students could learn TIVA C Series, TM4C123GH6PM, Code Composer Studio. Design of Embedded server, Overview of HTTP protocol and HTML Programming Lab where participants manipulated IO on LaunchPad were also taught in the course.

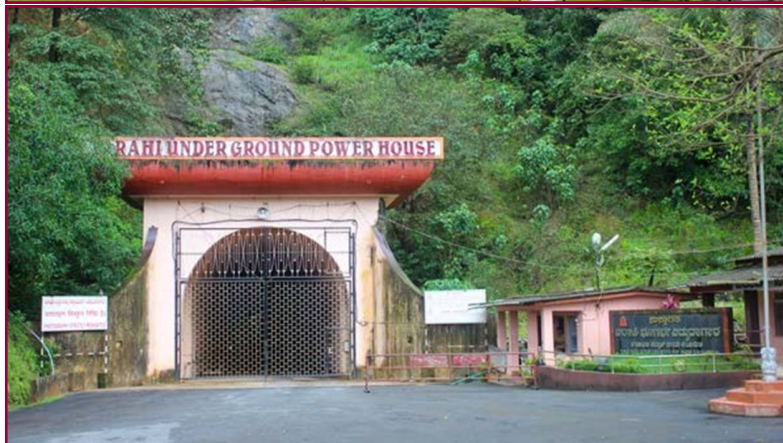


## INDUSTRIAL VISIT 16th to 19th March 2019



The students visited Varahi Power Plant and Adani Power Plant.

The students experienced the different components of power systems like Generators, Transformers, Sub-Station, Transmission Lines, Feeders and Distributors. The students enjoyed the





# Department of Telecommunication Engineering

## Career Opportunities and Future Scope in Telecommunication Engineering 3rd May

The speakers deliberated on The Growing Technological Advancements In The Field Of Telecommunication Engineering.

Hands on experience on Machine learning.

The Need Of Technically Enhance Students To Address The Current Industrial Problems.

The finishing School emphasized on Soft Skill Enhancement , Communication Skill. And it had sessions on Start-Ups and Higher Studies Opportunities.



## Department of Medical Electronics

### Publications:

- \* Shanthi KJ, Kamala C, Ravish DK **Neural Network Based Drowsiness Detection System using Physiological Parameters** *International Journal of Emerging Trends in Computer Science* Vol. 8 Issue1 2018 Feb. Pg. 1-3
- \* Ravish DK ,Shanthi KJ, Nayana R Shenoy , **Design Of Pneumogram For Chronic Obstructive Pulmonary Disease Diagnosis** *Journal of Applied Science and Computations* ISSN NO: 1076-5131, Volume VI, Issue I, pp.3688-3693, January/2019

### Workshop Organised

Biomedical Technology 25th to 27th Feb.2019, by Harvey Biomedical Bangalore

The workshop gave an exposure to the students to study in detail the industry specification of a biomedical equipment, its working and also the students had an opportunity to look into the hardware part of the equipments. The various state of art equipments the students could get a training was Patient Monitor, ECG Machine, Syringe Pump, Infusion Pump and Defibrillator.

### Industrial Applications of DSP Processors on 15-16 Feb 2019

The workshop was organized in association with EDGATE Technologies Bangalore. The students were given hands-on experience on DSP Processor hardware interface.

### Industry Visit

S-VYASA Research Institute, Jigani, Bangalore 11<sup>th</sup> Feb 2019.





## Talk on Personality Development 24<sup>th</sup> Feb 2019.

Alumni Ms. Chaitanya Project Consultant at IBM



### Workshop & Conference Attended :

- \* Nayana R Shenoy & Kamala C **Workshop on Ventilator & Defibrillator**, Kalam Institute of Technology, Vishakapattanam during 1/3/2019 to 2/3/2019
- \* DR. Shanthi KJ **Professional Development Training** at IIM Tiruchirapalli during 24/03/2019 to 29/03/2019
- \* Dr. Ravish D K 4<sup>th</sup> **International Conference on Signal Processing, Communications and System Design**, Secunderabad- 8<sup>th</sup> & 9<sup>th</sup> February 2019



## TEXAS INSTRUMENTS ONLINE CONTEST March 20th

The Biomedical Engineers Society of India, (BMESI ) DR. AIT Chapter organized the TI Online Contest and 60 students from all over the college had participated. The Contest was on MSP processor and Analog Electronics. 30 of the contestants cleared the test. The contestants who cleared the test received the TI certificate. The two toppers were awarded with a Texas Instruments Development Kit .



Mr. Girish Bhola from Medical Electronics receiving the award from Principal

### PUBLICATION

Dr. Chandrashekar G. Pujari Development Of A **Methodology For Software Small And Medium Scale Industries In The Selection Of Suitable Lean Six Sigma Tools** *International Journal of Applied Science and Computations*, ISSN No:1076-5131, Feb-2019, Vol VI, issue-2

### TECHNICAL TALK

Mr.Varun, Quinnox Bengaluru an Alumni gave a Talk on **Careers in Software Testing**

Dr.L Manjunatha Rao **Internet Of Things** Organized by IIT, Varanasi at Sri MathaVaishno Devi University, Katra, Jammu Thavi.

Mr. Varun



### Memorandum Of Understanding

MOU with AmperAXP 26<sup>th</sup> April 2019. The AmperAXP is providing Internship to students, to facilitate the faculty members of MCA department to have industrial exposure and train the faculty members and students for certification in **Application Automation and Robotic Process Automation**

Reported by Dr. Dharini NV



### INDUSTRY VISIT

**Green Data Center IBM on 29<sup>th</sup> March 2019.**

**The students visited the Cloud Computing Lab and ongoing projects at IBM**



## NSS UNIT

## NSS UNIT

Parking Discipline Activity: Feb. 11th, 16th, to 21st 2019

NSS Unit of Dr.AIT had organised an event for parking discipline in the campus of Dr.AIT to spread awareness about effective use of parking area. NSS Volunteers have marked and painted slots for 2 wheelers and 4 wheelers and guided all students and faculty about the parking places. NSS Volunteers have identified parking space for approximately 600 2wheelers and 65 4wheelers within Dr.AIT campus.





**Clean Campus Initiative March 23<sup>rd</sup> , 2019**



**NSS UNIT also observed VOTER'S AWARENESS on 4<sup>TH</sup> & 13<sup>TH</sup> APRIL 2019 .  
And WORLD WATER DAY**

**Volunteers inviting local neighbourhood for the Dr. AIT Open Day on 13/04/19**





**NSS CAMP AT  
ANTHARASANTHE  
HD KOTE**

**MARCH 10<sup>TH</sup> to 13<sup>TH</sup> 2019**

The unit organised NSS camp at Antharasanthé, HD Kote regarding Educational and Cleanliness awareness in the villages and Government school of HD Kote during March 10<sup>th</sup> to 13<sup>th</sup>, 2019. NSS Volunteers performed a skit in village and school regarding importance of education, women literacy, voting awareness, afforestation and cleanliness and also cleaned the village





Dr. AIT Promotes the students and faculty to register for the SWAYAM online Courses. Around 20 students & faculty have cleared the NPTEL certification Jan-April exams.



## BRAZIL TEAM representing SEMESP at Dr. AIT



### 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](http://www.dr-ait.org)