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President, SDM Educational Trust (R.), Ujire



|| Om Shree Manjunathaya Namaha ||

ESSENCE...



An official **NEWSLETTER** of

The spirit within

Sri Dharmasthala Manjunatheshwara Institute of Technology, Ujire - 574240

(Affiliated to Visvesvaraya Technological University, Belagavi, Recognized by AICTE, New Delhi)

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IN THIS ISSUE...

NEWS @ SDMIT

Campus updates

Campus events

Campus achievements

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CO - EDITORS

Dr. Girish Kumar

Mrs. Naada E.

Mr. Raghuveera Pandith

Editor's Voice.....

It is said that the difference between "Ordinary" and "Extraordinary" is that little EXTRA. Our focus is always on that extra so as to convert ordinary things into extraordinary ones. The odd semester activities showcase our efforts in that direction. Several notable events have been organized successfully. Roadmapping workshop gave clear focus on the road to travel. Orientation and induction programme for first years was conducted in a different manner. Flood light show "Vijaya Nagara Samrajya" was feast to watch. First ever hackathon was successfully organized. New Research Centers have come up in various departments.

This issue of "ESSENCE- The Spirit Within" unveils the glimpses of activities, events and happenings at SDMIT during the second half of 2017. We always believe in that the success is the sum of small efforts, repeated day in and day out. I sincerely thank everyone for performing their role in making every activity a successful one.

EDITOR
Dr. K SURESH

Our Vision

"To be a global leader with Excellence in Technology, Education, Research and Innovation."

Our Mission

We, at SDM Institute of Technology, strive to:

- ▶ Achieve academic excellence in engineering and technology by providing a globally competitive environment.
- ▶ Encourage innovative ideas and provide a value based education through an experienced, knowledgeable and dedicated faculty.
- ▶ Inculcate a culture of integrity, self-reliance, leadership and community responsibility.
- ▶ Promote industry-institute interaction through successful collaboration with leading industries.



Curiosity is the essence of human existence. - Gene Cernan

[NEWS @ SDMIT]

Orientation day

Inauguration and Orientation Program for 1st year Engineering students was held on 10th August 2017 at SDM Naturopathy and Yogic Sciences seminar hall. The program was inaugurated by Mr. Palli Prabhakar Shetty, Rushi Academy and Counselling Center, Mangaluru and Sri Sharad Vihari Dasa, BACCE Foundation, Mangaluru. The inaugural function was presided over by Dr. B. Yashovarma, Secretary, SDME Society, Ujire.



Induction Program

Two days Induction program was conducted for freshers of SDMIT on 11th and 12th August 2017. The freshers were oriented about the academics, cultural activities, clubs, sports activities, facilities available in the college, training, placement and discipline practices of the college during the programme. Dr. Rajatha, Dr. Girish Kumar, Dr. Vidya, Prof. Avadhuth Karat, Prof. Nada, Prof. Ramprasad, Prof. Vineeth and Prof. Ramakrishna Hegde were the Resource persons. The programme was coordinated by Dr. Rajatha, Librarian, SDMIT.



Independence Day

71st Independence Day at SDMIT was celebrated on 15th August 2017. Dr. K. Manjunath hoisted our National Flag in presence of staff and students. Later the gathered crowd progressed towards Rathnavarma stadium for combined celebrations of Independence Day by SDM Group of Institutions.



Teacher's Day

"Innoviz – 2017" – was organized by the students of SDMIT on the occasion of Teacher's Day on 12th September 2017. Dr. K. Suresh presided over the function. He addressed the gathering on the event and spoke about the importance of student - teacher relationship.



Sharada Pooja and Aayudha Pooja

Sharada Pooja was celebrated on 28th September 2017 in the Library of SDMIT. During the programme, Bajans were sung by staff members and students. After the Maha-mangalarathi, prasadam was distributed. Ayudha Pooja was also conducted on the day at various laboratories.



Carnatic Violin Recital

Cultural committee of SDMIT in association with SPICMACAY Mangalore Chapter conducted Carnatic Violin Recital on 22nd August 2017 at SDMIT Ujire. The program was performed by PadmaShri Awardee Vidhushi Sangeetha Kalanidhi A. Kanyakumari. Vidhushi Anuthama Murali, Vidvan Praveen and Vidvan Vyasa Vittala were the co performers.



"Anveshana 2017"

"Anveshana 2017" a talent search program for the 1st sem students of SDMIT was held on 10th October 2017. All the seven sections of first semester actively participated in the event. G section secured first place and Rolling Trophy of the event. C and A sections secured second and third place respectively. Mr. Naveen Kumar, Assistant Professor, Department of Chemistry, SDM Degree College and Mrs. Swathi B. Assistant Professor Department of MSW, SDM PG Centre were the judges for the event. Dr. Krishnaprasad P.A., HOD, Department of Civil Engineering and Chairman Cultural Committee coordinated the event.



Glimpse of “Vijaya Nagra Samrajya”

On the occasion of Kannada rajyothsava, Cultural Committee of SDMIT organized a floodlight show narrating glimpse of “Vijaya Nagra Samrajya” on 11th November 2017. Dr. Krishnaprasad P.A., Chairman, Cultural Committee convened the show. Dr. Basava, Associate Professor, Department of Mechanical Engineering directed the play and the story was narrated by Prof. G.P. Hegde, of ISE department. Dr. Krishnaprasad P.A., Mr. Vinay M.R. Mr. Naveen Kumar, Mr. Naveen Pagad, Mr. Hanumanthraju, Mr. Ramesh, Dr. Basava and Students of SDMIT Ujire portrayed the Vijayanagara dynasty.



Innovate 1.0 Hackathon

Innovate 1.0 Hackathon was conducted on 18th and 19th November 2017. The programme was inaugurated on 18th November 2017 and concluded on 19th November 2017. Dr. Anil Kumar R., Governing Council Member was the Chief Guest and Dr. B. Yashovarma, Secretary, SDME Society, Ujire was the President for both inauguration and valedictory functions. Dr. K. Suresh, Principal welcomed gathering. Dr. Girish Kumar, Professor and Head, Mechanical was the Chairperson of organizing committee and Mr. Mahesh M., Asst. Professor, ECE was the coordinator for the programme. 82 students of different engineering branches worked collaboratively during this 24-hour event to generate ideas/solutions for developing technology / device for rubber tapping and cardamom plucking. Mr. Sukesh N., Department of Mechanical Engineering, Mr. Mahesh D.S., Department of ECE, Dr. Sanjay S. of Department of Chemistry and Mr. Vishwanatha Bhat, Department of Civil Engineering were the technical mentors for the event.

Reward presentation ceremony of Innovate 1.0 Hackathon was held on 30th December 2017. All the participants of the Hackathon (held during 18th and 19th November 2017) were rewarded with certificate and memento during the function. Orientation on how to move further towards product development based on the ideas generated in Hackathon was also provided on the occasion.



Recognition of new Research Centers

Department of Chemistry, Department of CSE and Department of ECE have been recognized by VTU as new Research Centers in October 2017. With this, presently, the institute has five research centers.

Research Grants:

Dr. S. Samshuddin, Asst. Professor, Department of Chemistry was awarded with Research Grant of Rs. 5.00 Lakhs under SMYSR programme by VGST, Govt. of Karnataka for the project proposal "Design and synthesis of some new environmentally friendly corrosion inhibitors".

Workshop on Roadmapping and Change Management

Series of Workshops on Roadmapping and Change Management was conducted during April to November 2017. Dr. Anil Kumar R., member of Governing Council was the Resource person and mentor for the workshops. Six focus areas were identified, roadmaps were drafted for each of the focus area and progress was reviewed during monthly workshops. More than 40 faculty members of various departments participated in the workshops and worked in different tasks related to identified focus areas.



[CAMPUS EVENTS]

Department of Electronics and Communication Engineering Workshop on "Programming Skills on C and Data structure"

Department of ECE organized two days workshop on "Programming Skills on C and Data structure" to 7th semester students which was held on 28th and 29th August 2017. Mr. Srinivas J, Technology Consultant, Richman and Freeman, Hyderabad was the resource person for the event. Dr. S. P Hegde HOD, Department of ECE was the convener of the program. This event was coordinated by Prof. Mahesh M, Prof. Raghuveera Pandith and Prof. Mahesh D.S under the banner of Departmental association "EAGERS". During the session students were briefed about the Programming areas like C, linked list, Data Structure and Object Oriented Programming.



Workshop on "Antenna Design Simulation Tool"

Department of ECE organized two days Workshop on "Antenna Design Simulation Tool" to 5th semester students which was held on 21st and 22nd August 2017. Dr. Halappa and Dr. Rajendra Patil were the resource person of the event. Dr. S.P Hegde HOD, Department of ECE was the convener of the program. This event was conducted under the banner of Departmental association "EAGERS". During the session students were briefed about the Antenna basics, its design simulation tool. This event was coordinated by Prof. Naveen Kumar H N, Prof. Madhusudhana K and Prof. Bharathraj M.

Workshop and Interactive Session on “Idea Generation Leading to Innovative Projects”

Department of ECE organized an Interactive Session on “Idea Generation Leading to Innovative Projects” to 3rd and 5th semester students on 7th September 2017. Mr. Bhavani Shankar Revankar, Personality Development Trainer, Dharwad was the resource person of the event. Dr. S. P Hegde HOD, Department of ECE was the convener of the program. This event was coordinated by Prof. Mahesh M, Prof. Raghuvveera Pandith and Prof. Mahesh D.S under the banner of Departmental association “EAGERS”. During the session Mr. Revankar provided the orientation to the students to identify the problem around us and working towards the solution of the respective problem.



Demonstration of IoT based Projects

Department of ECE organized Demonstration of IoT based Projects to 5th semester students and faculty on 15th September 2017. Ramesh, Digital Shark Technologies, Bengaluru were the resource person of the event. Dr. S. P Hegde, HOD, Department of ECE was the convener of the program. This event was coordinated by Prof. Mahesh M, Prof. Raghuvveera Pandith and Prof. Mahesh D.S under the banner of Departmental association “EAGERS”. During the session students were briefed about the IoT and the projects on IoT were demonstrated.

Interactive Session on “Utilization of Technology around Us”

Department of ECE organized an Interactive Session on “Utilization of Technology around Us” to 3rd and 5th semester students on 23rd September 2017. Mr. Aravinda Harebailu, Mr. Chyavan Padke and Mr. Adarsh, Incubates at IIM, Bengaluru were the resource persons of the event. Dr. S. P Hegde, HOD, Department of ECE was the convener of the program. This event was coordinated by Prof. Mahesh M, Prof. Raghuvveera Pandith and Prof. Mahesh D.S under the banner of Departmental association “EAGERS”. During the session students were briefed about the possible engineering projects which can be converted into consumer products.



Workshop on “Basics of JAVA”

Department of ECE organized Workshop on “Basics of JAVA” to 7th sem students on 27th September 2017. Prof. Arjun K. Department of CSE, was the resource person for the event. Dr. S.P Hegde HOD, Department of ECE was the convener of the program. The event was coordinated by Prof. Praveen H.L, Prof. Prathapchandra, and Prof. Ramachandra under the banner of Departmental association “EAGERS”. The session benefited to the students in improving their knowledge in the respected domain which would help them in their career growth.



Workshop on “Solving Rubik’s Cube”

Department of ECE organized one day Workshop on “Solving Rubik’s Cube” to students of various branches on 7th October 2017. Mr. Prithvish K., was the resource person of the event. Dr. S. P Hegde, HOD, Department of ECE was the convener of the program. This event was coordinated by Prof. Avinash. S, under the banner of Departmental association “TECH SPECIES”. During the session students were briefed about the possible ways of solving the cube in short duration of time and how it is going to increase the sharpness of the thinking.



Workshop on “Printed Circuit Design”

Department of Electronics and Communication Engineering organized two days workshop on “Printed Circuit Design” to the 3rd sem students of ECE on 09th and 10th October 2017. Mr. Jayanth .B, Govt. Polytechnic College, Chikmagalur was the resource person of the event. Dr. S.P Hegde, HOD, Department of ECE was the convener of the program. This event was coordinated by Prof. Nagaraj Shet, Prof. Prathap chandra and Prof. Ramachandra. During the session Mr. Jayanth gave birds view to understand various discrete components used in PCB and how to build the circuit and analyze the circuit depending on the problem. In the end students were able to design and implement the circuit on Printed Circuit Board which would help them in their upcoming projects.



Workshop on “IoT, Telecom Networking”

Department of Electronics and Communication Engineering organized one day Workshop on “IoT, Telecom Networking” to 5th sem students of ECE on 10th October 2017 under the banner of Departmental association EAGERS. Mr. Sudhindra Gururaj, Fiabilite, Bengaluru was the resource person of the event. Dr. S. P Hegde, HOD, Department of ECE was the convener of the program. During the session Mr. Sudhendra Gururaj gave birds view on how the things can be done by using Internet of things and how the smart city ideas can be implemented on our syllabus. He emphasize on solving a problem in a simple and unique way and students should be in regular touch with the industry to know the recent technologies and should know both the hardware and software concepts to implement in the field. The event was coordinated by Prof Madhusudhana K and Prof Amith K Jain

Talk on “Basic Photography Skills”

Department of Electronics and Communication Engineering along with photography club organized talk on “Basic Photography Skills” to the interested students of college on 10th October 2017. Mr. Sunil Hegde, Asst. Professor. Dept. of MCJ, SDM college of PG studies, Ujire was the resource person of the event. It was an informative session on basic photography skills. Students were taught and guided how to use cameras and how to capture photos by considering the basic concepts like Subject, Focus, Framing and Lighting. Session also covered why and when to capture photos. Resource person explained the rules to be followed in framing a photograph. Students were introduced to the fundamentals of DSLR cameras. The event was coordinated by Prof. Mahesh D S Prof. Naada E and Prof. Raghuveera Pandith.



Technical Visit to Manjushree Printers and SDM Multimedia Studio

Department of Electronics and Communication Engineering organized Technical Visit to Manjushree Printers and SDM Multimedia Studio for 5th semester students on 11th October 2017. Students were exposed to the working nature of Manjushree Printing press and the functionality each block in the press. Detailed explanation was given on printing section, binding section, packing section and paper box manufacturing sections by respective skilled employees. Electronic media benefits in modern education are demonstrated by Mr. Madhava Holla. He also explained about e-content development, e-lecture and other productions undertaken by SDM Multimedia studio. Mr. Shivashankar explained about "Radio Ninada" a FM station run by SDM College. He explained about the production of radio programs, recording programs for broadcasting on air. Students understood about usage of soundproof rooms and audio mixer in audio recording and processing. The event was coordinated by Prof. Mahesh M, Prof. Raghuveera Pandith, Prof. Mahesh D S, Prof. Niranjana, Prof. Varunkumar, and Prof. Shaileshwari.



Workshop on "Industrial Automation"

Department of ECE organized three days Workshop on "Industrial Automation" on 10th, 11th and 12th November 2017 for 5th semester students. Mr. Himanshu Kumar, Head Indwell Institute of Technology, Pune was the resource person of the event. Prof. S.P Hegde HOD, Department of ECE was the convener of the program. This event was coordinated by Prof. Prathapchandra, Prof. Praveen H L and Prof. Ramachandra under the banner of Departmental association "EAGERS" and Bosch Rexroth Centre of Excellence. During this workshop, concepts of PLC programming, challenges in automation industry and the difficulties in real time application were discussed. A total of 65 students participated in the workshop.

Hobby Project Exhibition

Department of ECE organized "Hobby Project Exhibition" under the banner of Departmental Association "EAGERS" at SDM CBSC School, Ujire on 11th November 2017. Dr. S. P. Hegde, HOD, Department of ECE was convener of the program. 15 different projects developed by 3rd semester ECE students were exhibited to School students. Prof. Shaileshwari S, Prof. Raghuveera Pandith and Prof. Mahesh D S coordinated the event.



Demonstration of ARM Cortex Starter Kit for Embedded Controller Lab

Department of ECE organized Demonstration of ARM Cortex Starter Kit and Development board for the faculty members of the department on 24th November 2017, 11th and 20th December 2017. Mr. Naveen Kumar, Mr. Ravikumar and Mr. Sriram Soghul of Microlab Instruments were the resource persons for the sessions.

Faculty Development Program on “ARM Processor and NS2 Tool”

Department of ECE organized six days Faculty Development Program on “ARM Processor and NS2 Tool” for ECE teaching Faculties from 18th December 2017 to 23rd December 2017, Dr. S.P Hegde, HOD, Department of ECE chaired the session. Overview of the ARM processor and its architecture was briefed in the session.



Faculty Development Program on “Computer Networks”

Department of ECE organized Six days Faculty Development Program on “Computer Networks” for ECE teaching Faculties from 26th December 2017 to 1st January 2018, Dr. S.P Hegde, HOD, Department of ECE Chaired the session. Overview of digital telecommunications networks was briefed in the programme.

Department of Electrical and Electronics Engineering Workshop on “MATLAB Basics & Programming”

Department of Electrical and Electronics Engineering organized Workshop on “MATLAB Basics & Programming” for 7th semester EEE students on 18th, 23rd to 24th August 2017.



Workshop on “Electrical Wiring, Estimation and Costing”

Department of Electrical and Electronics Engineering organized two days Workshop on “Electrical Wiring, Estimation and Costing” in collaboration with RUDSETI by Mr. K.E. Humayun, for 5th semester (62 students) Electrical and Electronics Engineering students from 11th September 2017 to 12th September 2017 in RUDSETI, Ujire.



Workshop on “Renewable Energy and Energy Consumption for Sustainable Development”

Department of Electrical and Electronics Engineering conducted Three days workshop on “Renewable Energy and Energy Consumption for Sustainable Development” for 7th semester Students from 21st September 2017 to 23rd September 2017. Dr. H. Naganagouda, Director, National Training Center for Solar Technology was the Resource person for the event. Renewable energy sources, present technologies, design and projects on solar power generation and consumption were discussed in the workshop.



Substation Visit

Department of Electrical and Electronics Engineering organized Visit to “Substation 33kV/11kV, Belthangady” for 3rd semester EEE students on 7th October 2017.



Surya-Mitra Programme

Third batch of Surya-Mitra skill development training programme was started on 20th December 2017. The students with Diploma and ITI qualifications were trained in solar related technologies in this 3-months training programme.



Department of Computer Science and Engineering

UNIX Workshop

Department of Computer Science and Engineering conducted the UNIX workshop on 4th September 2017 for 3rd semester 'B' section students. The workshop is conducted by Prof. Arjun K. It was completely a hands on session. The workshop focused on how to install Ubuntu OS using VMWare and execution of commands using Ubuntu Terminal.



Campus Connect Webinar Series on “Basic and Object Oriented Programming with Python”

The Campus Connect Webinar Series on “Basic and Object Oriented Programming with Python” was organized by Infosys Campus Connect team from 4th to 8th September 2017 for 7th sem CSE students. The webinar introduced students about Programming in Python & Hands-on sessions on it. The presentation was given by Mrs. K. N. Vani, Infosys Campus Connect Team. The main objective of organizing the webinar was to improve effective virtual communication and collaboration medium of students using Internet. It also helped to bring together Subject Matter Experts (SMEs) and target audience i.e. students in a virtual meeting room and allowed them to share the knowledge and discuss effectively. The webinar was organized and coordinated by Prof. Raghavendra Patil G E, Prof. H.M.T Gadiyar, Prof. Naveen S Pagad, Prof. Amith K S, and Prof. Rakshith M D.



Raspberry Pi Workshop

Department of Computer Science and Engineering conducted a Raspberry Pi workshop on 19th September 2017. The Workshop is conducted by Prof. Arjun K under IoT club. It was completely a hands on session. First it started with introduction of Raspberry Pi and how to do project using Raspberry Pi for IoT applications. Session included with installation of Operating system (Noobs) and next with few programs which connects the hardware. Exercises were given to participants for practice.



Remember, your work may be only to sweep a railway crossing,
but it is your duty to keep it so clean that no other crossing in the
world is as clean as yours.

- Sir M. Visvesvaraya

Workshop on “XHTML-Extensible Hyper Text Markup Language & Java Script”

Department of Computer Science and Engineering conducted one-day workshop on “XHTML-Extensible Hyper Text Markup Language & Java Script” on 24th September 2017. The Workshop was coordinated by Prof. Chandrappa S, Prof. Prithviraj Jain, Prof. Guru Prasad M S under the Big data club.



Quiz on “Data Structures & Applications”

Department of Computer Science and Engineering conducted the Quiz on “Data Structures & Applications” for 3rd semester students on 30th October 2017. The event was coordinated by Prof. Rakshith M D. The quiz involved questions on Linked lists, Types of linked lists, Operations performed on linked lists, Applications of linked lists, Trees, Types of trees, Operations performed on trees, Applications of trees.



FDP on “Emerging Trends & Technologies in Computer Science & Engineering”

Department of CSE organized & conducted the Faculty Development Programme on “Emerging Trends & Technologies in Computer Science & Engineering” from 19th-23rd December 2017. Dr. Thyagaraju G S, HOD, Department of CSE was the convener of the FDP. Prof. Rakshith M D & Prof. Guruprasad M S coordinated the FDP. About 11 faculties of the CSE department participated in the FDP.

The research domains identified were: 1) Context Aware Computing 2) Bigdata Analytics 3) Internet of Things (IoT) 4) Predictive Analytics 5) Google’s Driverless Car 6) GPU & GPGPU Computing 7) Medical Image Processing using MATLAB 8) Digital Marketing 9) Wireless & Mobile Networks 10) Network Security.



Department of Information Science and Engineering

Advance C and Data Structure Training

To strengthen the subject knowledge, Association of Information Science and Engineering department conducted Advance C and Data structure training programme for 3rd semester students on 30th August 2017. The resource person for the event was Shrinivas G from Richman and Freeland, Hyderabad. Dr. K. Suresh, Principal addressed the function. Dr. Dharmanna L, HOD welcomed the gathering. Prof. G. P. Hegde and Prof Naveen S. Pagad coordinated the event.



Workshop on “Unix Shell Programming”

The department of Information Science & Engineering conducted the workshop on “Unix Shell Programming” on 31st August 2017 for 3rd semester students. The Workshop was conducted by Prof. Arjun K. Mr. Anoop Jain, 7th Semester CSE Student assisted the students during the hands-on session of the workshop.

Induction Program and Parents Meet

The department of Information Science & Engineering organized Induction Program & Parents meet for the students of 3rd Semester students on 5th September, 2017. Dr. K. Suresh, Principal inaugurated the event in presence of Dr. Kumara Hegde, Chief Guest, Dr. Dharmanna L, Head ISE department, Prof. G.P. Hegde Association Chairman, ISSAC and all the staff members and students of ISE department. The Chief Guest addressed the students & their parents and guided the students to develop a good personality, thinking and uphold the moral values in the life. The event was coordinated by Prof. Basavaraj Patil, Prof. Deekshith K.



GATE 2017- An Awareness Program for ISE/CSE

The Department of ISE conducted an awareness program on “GATE 2018” on 13th September 2017, to 7th semester students of SDMIT. Dr. Dharmanna L was resource person. The event was coordinated by Prof. Naveen S. Pagad and Prof. Basavaraj Patil. The program leads the platform to create awareness about the GATE exam and understand the need of the exam.



C- Coding Competition

The Department of ISE conducted a C-Coding competition "CODE-IT 2K17" for the ISE department students in September, 2017 at SDMIT, 95 students had participated in the event coordinated by Prof. G. P. Hegde and Prof. Deekshith K. The event was conducted in two rounds, Prelims and Problem solving on 4th and 26th September, 2017 respectively. Ms. Shambhavi. R. Belligatti of 7th sem ISE secured first place and Ms. Chinmaye K of 7th sem ISE secured second place.



Frame Work & Design of Wall-Magazine and On-Spot Drawing/Sketch Competition

The Department of ISE organized "Frame Work & Design of Wall-Magazine and On-Spot Drawing/Sketch Competition" on 27th September, 2017 at SDMIT with the following themes to encourage the students with innovative ideas.

- Evolution of Technology in Agriculture Automation.
- Motivational Posters for Inventors.
- Technology for Rural Needs

Event was inaugurated by Dr. K. Suresh, Principal, Dr. Dharmanna L, HOD (ISE) and Prof. G. P. Hegde. 30 teams participated in the event. The competition was coordinated by Prof. G. P. Hegde, Prof. Usha G. R., Prof. Basavaraj Patil and Prof. Deekshith K.



Social Awareness Program

The Department of ISE organized "Social Awareness Program" for the SDM PU students at SDM PU College Ujire on 12th October, 2017. The program included the awareness about the pros and cons of Social Networking, Alcohol and Drug Abuse, Career Guidance and Protection Trees. Three hundred plus students participated in the event. Prof. Usha G. R and Prof. Naveen S Pagad coordinated the event.



- You have to grow from the inside out. None can teach you, none can make you spiritual. There is no other teacher but your own soul.
- We are what our thoughts have made us; so take care about what you think. Words are secondary. Thoughts live; they travel far.
- All the powers in the universe are already ours. It is we who have put our hands before our eyes and cry that it is dark.

- Swami Vivekananda

Technical Talk on “IoT and its Industrial Applications”

The Department of ISE organised a Technical Talk on “IoT and its Industrial Applications” by Dr. Geetha V, Asst. Professor, NITK, Surathkal for the students of SDMIT on 16th October, 2017. The program was inaugurated by Dr. K Suresh Principal, Dr. Dharmanna L, HOD ISE Department, Prof. G. P. Hegde, Association Chairman and Dr. Geetha V, Resource Person. The talk comprised of introduction to IOT, the approaches of implementation, real time examples, and identification of several IOT projects for undergraduate students and with demo of the project. The event was coordinated by Prof. Shwetha S V and Prof. Shobha Sharma.



Seminar on “Living without Dental Disabilities”

The Department of ISE organized seminar on “Living without Dental Disabilities” on 21st November, 2017 for ISE students at SDMIT, Ujire. Dr. K. Suresh, Principal inaugurated the event in presence of Dr. M. M Dayakar, resource person, Prof. Dharmanna L, HOD (ISE), the staff coordinators Prof. Usha G.R, Prof. Shubadha.V.P, Prof Deekshith K. The resource person gave a talk for students and staffs about reasons for dental disabilities and precautions.



Department of Mechanical Engineering Training on Hydraulics and Pneumatics

Training on Hydraulics and Pneumatics was conducted for two batches of 36 students of III year Mechanical Engineering at Bosch-Rexroth CoE. Mr. Sridhara T. and Mr. Bujanga D.P., faculty members, Department of Mechanical Engineering were the Resource persons for the training.

Summer Internship/ Training Programme in “Essential Computing Skills for Mechanical Engineers”

Summer Internship/Training on “Essential Computing Skills for Mechanical Engineers” was conducted for students of II Year Mechanical Engineering during 17th-18th July and 28th- 31st July 2017. Mr. Suresh N. and Dr. Girish Kumar, Faculty, Department of Mechanical Engineering were the Resource Persons for the training.

FDP on “Developing Course File and Creating Video Lectures”

Faculty Development Programme on “Developing the Course File and Creating Video Lectures” was conducted during 3rd-5th July 2017 for faculty members of Mechanical Engineering. Dr. Girish Kumar was the Resource Person for Course File Development part and Mr. Sukesh N. was the Resource Person for Video Lecture creation part.

Technical Talk on the Topic “Thermal Imaging – Industrial and Research Applications”

A Technical Talk on the Topic “Thermal Imaging – Industrial and Research Applications” was organized by the Department of Mechanical Engineering in association with ISTE Chapter of the Institute on 20th September 2017 for Final year Mechanical Engineering students. Dr. Sathyapal Hegde, an ITC Certified Level II Thermographer and Director of Prasanna Technologies, Managuru/Bengaluru was the Resource Person for the programme. During the talk, various aspects of thermography such as principle, potential applications, scope and applicability of thermal imaging, equipment, and certification requirements for thermographic inspection were dealt. The deliberations were followed with live demonstration of working of FLIR thermographic camera. Mr. Sukesh N., Asst. Professor, Department of Mechanical Engineering was the coordinator for the talk.



- Preliminary (written) round of International Level Quiz Competition “Engineeria 2017” (Organized by Cadd Centre) was conducted for the students of II, III and Final year of B.E. (Mechanical) on 9th and 13th September 2017 at SDMIT, Ujire. Mr. Naresh Holla and Mr. Kethan Kumar of III Year Mechanical Engineering were selected in the competition for the next round.
- The institute signed a Memorandum of Understanding on 20th September 2017 with Prasanna Technologies, Mangaluru for promoting Industry-Institute Interaction, providing internship opportunities and latest industrial updates and working collaboratively on projects of industrial and social relevance.

A talk on “Learn How to Model Your Dreams

A talk on “Learn How to Model Your Dreams (Emerging Opportunities and Capabilities for meeting the Need in CAD and related fields)” was organized by the Department of Mechanical Engineering on 26th October 2017 for III and IV Year Mechanical Engineering students. Mr. Vikas, CAD Exploration Pvt. Ltd., Mangaluru was the Resource Person for the programme. Mr. Sharath K.C., Asst. Professor – Mechanical Engineering coordinated the talk.

A talk on “Software Trends in Product Life Cycle”

A talk on “Software Trends in Product Life Cycle” was organized by the Department of Mechanical Engineering on 10th November 2017 for III Year Mechanical Engineering students. Mr. Vinod Kumar, CADD Centre, Moodabidri was the Resource Person for the programme.



- Intelligence is the ability to adapt to change.
- I have noticed even people who claim everything is predestined, and that we can do nothing to change it, look before they cross the road.
- People won't have time for you if you are always angry or complaining.

- Stephen Hawking

Department of Civil Engineering

Industrial Visit

An industrial visit was organized for the students of Civil Engineering to the sites of Boruka Hydel project and Siri. The event was coordinated by Mr. Vinaya Shyam D. Assistant Professor, Department of Civil Engineering.



Students at Boruka Hydel station



Students at Siri Gramodyoga

Engineer's Day

Engineer's day was celebrated in the Department of Civil Engineering on 23rd of September 2017 along with the Association of Consulting Civil Engineers. Two sessions were organized on Railway Engineering and Concepts of Vastu.



Field Visit

A field visit to Neera Chilume, a perennial water spring, was organized for the students of Dept. of Civil Engineering by Mr. Vishwanatha Bhat on 25th September 2017.

Unity Day

On remembrance of Sardar Vallabha Bhai Patel, SDMIT-Ujire has organized Unity Day on 31st October 2017. Students of Civil Engineering Department took oath in this occasion.



Workshop for Competitive Exams

A workshop was conducted for Competitive Exams in Civil Engineering- GATE and PG-CET on 10th November 2017. Mr. Ramprasad D.S. and Mr. Vishwanatha Bhat were the resource person. Mr. Ramprasad D.S. briefed about the preparation and prerequisite to competitive exams. This was followed by an elaborate lecture on – ‘GATE preparation’ by Mr. Vishwanatha Bhat.

A Talk on Opportunities in Computer Aided Tools

A Talk on Opportunities in Computer Aided Tools was arranged for 5th semester students, Dept. of Civil Engineering, by CAD Center Mangaluru. This event held on 10th November 2017, and was coordinated by Mr. Subrahmanya Sharma, Asst. Professor, Dept. of Civil Engineering.



Water Resource Research Initiatives

A monthly exhibit of the Water Resource Research Initiatives -WARI was launched on 14th November 2017, by Dr. K. Suresh, Principal, SDMIT. Mr. Vishwanatha Bhat summarized the concise aim and way forward to the Magazine. The Principal Dr. K. Suresh, addressed the gathering and he stressed about the importance of innovation and research in addition to the curriculum.



One-Week Training Programme on ‘Total Station-An Advanced Surveying Instrument’

A One-Week Training Programme on ‘Total Station-An Advanced Surveying Instrument’ conducted for the faculties of Dept. of Civil Engg., SDMIT Ujire. The resource person for a week training programme was Mr. Ishwara Sharma, Lecturer, Dept. of Civil Engg. SDM polytechnic Ujire. This was followed by the demonstration sessions by the learned specialists from STONEX.



A glimpse of training programme

Innovation and Entrepreneurship Development Cell

- Workshops were conducted for the students of 5th semester Civil Engineering by IEDC, SDMIT Ujire on 18th and 24th August 2017. Mr. Vinayshyam D. Assistant Professor, Department of Civil Engineering coordinated the activity.
- Students of 5th sem Mechanical Engineering and Electrical Engineering participated in "Orientation on Resident interns programme of Selco Foundation" on 18th August 2017. Mr. Sanketh Adhikari of Selco Foundation, Bengaluru was the resource person for the programme. The programme was organized by Innovation and Entrepreneurship Development Centre in association with ISTE student chapter of the Institute.

Entrepreneurship Awareness Camp for ME/CV students:

IEDC has organized three days Entrepreneurship Awareness Camp (EAC) sponsored by NSDEB, DST, New Delhi and EDII Ahmadabad for 5th semester Mechanical Engineering and Civil Engineering students during 23rd to 26th August, 2017. The program was inaugurated by Dr. K. Suresh, Principal, Mr. Sundar Sherigar M, Assistant Director, MSME, Government of India, Mangalore Unit, Dr. Basava. T, Head IEDC/R&D, Dr. Girish Kumar, HOD Mechanical Engineering, Dr. Krishnaprasad P.A, HOD Civil Engineering in the presence of staff and students. The event was coordinated by Prof. Sridhar T and Prof. Vinay Shyam.

Entrepreneurship Awareness Camp for ECE/EEE Students

IEDC has organized three days Entrepreneurship Awareness Camp (EAC) sponsored by NSDEB, DST, New Delhi and EDI Ahmadabad for 5th semester Electronics & Communication and Electrical and Electronics Engineering students during 30th August to 1st September, 2017. The program was inaugurated by Dr. K. Suresh, Principal, Mr. Sundar Sherigar M, Assistant Director, MSME, Government of India, Mangalore Unit, Dr. Basava. T, Head IEDC/R&D, Dr. S. P. Hegde, HOD, ECE, Dr. Manjunath K, HOD, EEE in the presence of staff and students. The event was coordinated by Prof. Mahesh M, Prof. Avinash S and Prof. Somashekar D P.



Lecture by Mr. Sunder Sherigar, Assistant Director, MSME, Mangalore in EAC programme on 30th August 2017



Lecture by Mr. Jomet Joseph, Bengaluru on Entrepreneurship in EAC programme on 31st August 2017.

Entrepreneurship Awareness Camp for CSE/ISE Students

IEDC has organized three days Entrepreneurship Awareness Camp (EAC) sponsored by NSDEB, DST, New Delhi and EDI Ahmadabad for 5th semester Computer Science and Information Science and Engineering students during 12th -14th October, 2017. The program was inaugurated by Dr. K. Suresh, Principal, Mr. Sundar Sherigar M, Assistant Director, MSME, Government of India, Mangalore Unit, Dr. Basava. T, Head IEDC/R&D, Dr. Thygaraj G S, HOD, CSE, Dr. Dharmanna L, HOD, ISE in the presence of staff and students. The event was coordinated by Prof. Amith K S, Prof. H. Manoj. T. Gadiyar and Prof. Basavaraj Patil.

Faculty Development Programme on Entrepreneurship for Academicians

IEDC has organized two week Faculty Development Programme on "Entrepreneurship for Academicians" sponsored by NSDEB, DST, New Delhi and EDII Ahmadabad during 18th –30th December, 2017. The program was inaugurated by Mr. Shashidhar Shetty, Executive Officer, SDME Society, Dr. K. Suresh, Principal, Mr. Sundar Sherigar M, Assistant Director, MSME, Government of India, Mangalore Unit and Dr. Basava.T, Head IEDC/R&D. The experts from various Govt. Organizations related to Entrepreneurial activities conducted the sessions.



NSS Activities

Sadhbahavana Divas

NSS unit of SDMIT, Ujire celebrated Sadhbahavana Divas on 21st August 2017, on the occasion of 73rd birth Anniversary of late Shri Rajeev Gandhi. Ms. Chitra B. C., Assistant Professor in Department of Social Works, SDM PG College, Ujire was the Chief Guest of the event. She addressed the gathering on this occasion. Mr. Madhusudhana K., NSS officer coordinated this event. Students took oath to maintain Peace, Harmony and Integrity in the society during this occasion.



“Swachhatha Pakhwada Campaign”

As part of “Swachhatha Pakhwada Campaign”, NSS unit of SDMIT Ujire conducted various programs from 1st September – 15th September 2017. The series of events was inaugurated by Dr. K. Suresh, Principal, SDMIT, Ujire on 1st September 2017. The campaign was coordinated by Pro. Madhusudhan K. Details of events held under “Swachhatha Pakhwada Campaign” are furnished below.

Day 1: Clean Hostel Day

Dr. K. Suresh, Principal, SDMIT, suggested all the students to clean in and around hostel and also created awareness about wastage of Food, Water and Electricity. All hostel students participated actively in this event by cleaning their entire hostel.



Day 2: Clean Campus Day

NSS unit of SDMIT Ujire conducted cleanliness drive across the campus, "Clean Campus Day" on 2nd September 2017. 1500 students and staff participated in the event.



Day 3: Clean Mess Day

Hostel Mess was cleaned on 3rd September 2017 on the occasion of "Swachhatha Pakhwada" Campaign.



Day 4: Essay Contest

NSS unit and ISTE chapter of SDMIT, conducted Essay Contest on "Innovative Ways for Spreading the Message of Hygiene" on 4th September 2017. 23 students participated in the event.

Day 5: Clean Surrounding Day

"Clean surrounding day" was organised on 5th September 2017. NSS Students cleaned the campus from College entrance to Siddavana bus stop.



Day 6: Green Campus Day

On 6th September 2017 50 Badam saplings were planted around SDMIT Staff quarters as a part of Green Campus Day.



Day 7: Essay Contest

NSS unit and ECE department conducted an essay writing competition on the topic "How can I make India clean" on 7th September 2017.

Day 8: Care for the Surroundings-I

On 8th September 2017 care for surroundings was conducted in which NSS students painted walls to bring awareness among the villagers about the cleanliness.



Day 9: Care for the Surroundings-II

On 9th September 2017 NSS volunteers visited SDM hospital and studied about hygiene maintained in the hospital and systems for disposal of garbage and hospital wastage. Wastes were collected and categorized into bio-degradable, dry waste and wet wastes and segregated by color coding system and kept in different color coded bins.



Day 10: Care for the Surroundings-III

On 11th September 2017 NSS volunteers visited Government hospital to study the hygiene and disposal of garbage (wastage) in hospital. They had discussion with the doctors/staffs about the various aspects of cleanliness and waste management system at government hospital.



Day 11: Short Movie Contest

NSS unit and ECE department of SDMIT organized "Short movie competition" on 11th September 2017. The short movie competition on the topic "My contribution towards making India Clean". The winning short movie is submitted the mygov.in website for the National Level competition.

Day 12: Care for the Surroundings-IV

On 12th September 2017, a program was conducted in which Mrs. Gayatri, PDO of Gram Panchayath, Ujire explained about garbage cleaning systems in public places. Discussion was held with NSS students for the betterment of cleaning system.



Day 13: Cleanest Hostel Room Contest

On 13th September 2017 floor wise cleanest room award was given at Boys and Girls Hostels.



Day 14: Elocution Contest

Elocution Contest on "Health and hygiene is the real wealth" was organised on 14th September 2017.



Day 15: Closing ceremony - Distribution of Prizes and Certificate for Participants

Closing Ceremony was organised on 15th September 2017. The program was presided by Dr. K Suresh, Principal, SDMIT Ujire. The prizes and certificates were distributed on the occasion.

Rally for River

NSS unit of SDMIT, Ujire organized "Rally for River" on 23rd September 2017, at Dharmasthala to create an awareness to save the river. The organizers briefed the importance of river and gave direction to join hands to Rally for river.



Community Service

A group of III Year Mechanical students (Naresh Holla, Sandesh Holla, Mithun Krishna, Rahul U.P., Kiran Kumar, Dinesh and Suksheeth Naik) serviced and corrected Electric Incinerator installed at Government High School, Koyyur which was out service from several months due to non-availability of technical service and support from the suppliers. The corrected instrument was given back to the school on 11th October 2017. The work was carried out under the guidance of Mr. Sukesh N., Asst. Professor—Mechanical Engineering.



Visit to Seon Ashram – A Social Cause

The students of SDMIT, Ujire visited "Seon Arshram" on 14th November, 2017, celebrated the Children's Day with childrens present there and distributed the rice, fruits, juice and biscuits to the inmates of SEON Ashram. The Seon Trust is presently serving 375 inmates covering people with mentally ill, mentally retarded, aged, orphan, physically handicapped and the destitute school going children's. It conducts recreational programs and exposure which involves the inmates in the daily activities of the center and provides them skill training programs. The students are accompanied with Dr. Dharmanna L, Head ISE department, Prof. Naveen Pagad, Prof. Basavaraj Patil, Prof. Deekshith K and staff members. Dr. K. Suresh, Principal appreciated the effort.



Placement and Training Activities

- Pre-placement training program was conducted for final year students during August 2017. More than 270 students from different branches participated in the training programme.
- Regular training programs on core competence skills and soft skills have been conducted for pre-final year and final year students.
- Students are given opportunities in exclusive placement drives at SDMIT and also at pool campus drives at Managlore region. 15 companies visited SDMIT, Ujire for recruitment drive and 10 companies visited pool campus drive at Mangalore region.
- Students are placed in Robosoft, Accord software, SpecBee, SLK software, GlobalEdge, Advanced Computer Software, Tessolve Semiconductors, Bals technologies, Karmic, SSI, Youngstone Technologies, Dr. Solar, Secronics, SMEC Automation, Codilar, VDart Software systems, Global Delight and Alpha 9 Marine.



IIT- B Remote Center

Two Week ISTE STTP on Electric Power system

The workshop was conducted by IIT- Kharagpur during 10th July 2017 to 15th July 2017. Our Remote Center organized this workshop through A-View. Workshop was open for the faculties from Electrical Engineering and Physics streams. 16 faculty members attended the workshop.



Half day Coordinators' Workshop For FDP

A Half Day Coordinators' Workshop for FDP was conducted by IIT Bombay on July 8th, 2017 through A-view mode. Mr. Sukesh N., Asst. Professor, Department of Mechanical Engineering had attended the workshop.

A Two-week course: Foundation Program in ICT for Education

A two-week course "Foundation program in ICT for Education" was conducted by IIT Bombay from 3rd August 2017 to 7th September 2017. Our Remote Center organized this workshop through A-View. Workshop was open for the faculty from engineering colleges. 8 external faculty members attended this workshop. Mr. Sukesh N. from Department of Mechanical Engineering coordinated this workshop.

A Two-week course: Pedagogy for Online and Blended Teaching-Learning Process

A two-week course "Pedagogy for Online and Blended Teaching-Learning Process" was conducted by IIT Bombay from 14th September 2017 to 12th October 2017. Our Remote Center organized this workshop through A-View. 6 external faculty members attended this workshop. Mr. Sukesh N. from Department of Mechanical Engineering coordinated this workshop.



Other Activities

Suicide Prevention Day

A program on "Suicide Prevention Day" was conducted in association with SDM Post-Graduate Studies and Research in Psychology, Ujire on 13th September 2017 at SDMIT on the occasion of World Suicide prevention Day. The program was coordinated by Dr. Rajatha, Librarian and Principal, Dr. K. Suresh presided the function. There was a talk on the causes for suicidal attempts and preventive methods and the students of Psychology were performed mime show in this regard.



"Stress Management"

Dept of Mathematics conducted a talk on "Stress Management" by Mr. Rohan Shetty, Rushi Academy, Mangalore on 21st September 2017.

Pick and Speak

The Department of Engineering Physics conducted Pick and Speak, seminar and group discussion competitions during October and November 2017.

Essay Writing Competition on "Woman Empowerment"

English Essay writing competition on "Woman Empowerment" was conducted for the students of SDMIT on 7th November 2017. Mrs. Shobha P Jeevandar, Asst. professor department of Mathematics coordinated the event.



The function of **education** is to teach one to think intensively and to think critically.
Intelligence plus character - that is the goal of true **education**.

- Martin Luther King, Jr.

Kannada Essay Writing Competition on “ನಗದು ರಹಿತ ವ್ಯವಹಾರ”

Kannada Essay writing competition on “ನಗದು ರಹಿತ ವ್ಯವಹಾರ” was conducted for the students of SDMIT on 8th November 2017. Ms. Divyashree Pawar, Asst. Professor department of Mathematics coordinated the event.



“Decor My Floor”

“Decor My Floor” competition was held on 10th November 2017. Prof. Shwetha S V ISE Dept. and Dr. Rajatha, Librarian were the judges. Miss Shaziya Shaikh and Aparna M A from 3rd semester ISE coordinated the event.

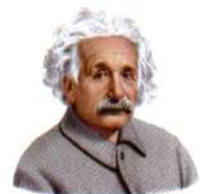
Vegetable Carving Competition

Vegetable Carving Competition for the students of SDMIT was held on 14th of November 2017. Mrs. Usha G.R., Asst. Professor department of ISE coordinated the event. Mr. Naveen S. Pagad Assistant Professor, Dept. of ISE and Mr. Mahesh B Patil, Assistant Professor Dept. of Mechanical Engg were the judges.



Quiz Competition about the Legal Rights of Women

As a part of Nationwide Competition by National Commission for Women Government of India, Written Quiz Competition was conducted on 18th November 2017 to create awareness about the Legal Rights of Women.



Education is what remains after one has forgotten what one has learned in school.

-Albert Einstein

Talk on “Transformation by Teachers”

A presentation/talk on “Transformations by Teachers” was conducted on 22nd November 2017 for faculty members of the Institute. Sri Sharad Vihari Dasa of BACCE Foundation, Mangaluru and Mr. Palli Prabhakar Shetty of Rushi Academy and Counselling Center, Mangaluru were the Resource Persons.

FDP on ‘Advanced Engineering Chemistry’

Two weeks FDP on ‘Advanced Engineering Chemistry’ was conducted by the Department of Chemistry from 11th December 2017 to 23rd December 2017.

Student as Faculty Programme

Teaching and Learning Committee of the Institute initiated the “Student as Faculty” programme during odd semester 2017. Selection trials were conducted in various departments in the first week of September to select the students for the programme. About 25 students were selected during the trials. Orientation programme for the selected students was conducted on 11th September 2017. During the orientation, Dr. K. Suresh, Principal offered valuable suggestions regarding effective teaching. Prof. Rakshith M D delivered the guidelines to be followed by the students as well as mentors during the implementation of the Student as Faculty activity in the respective departments. The selected student faculties conducted classes during October-November 2017. The programme was very successful and well accepted by students. Prof. Rakshith M D coordinated the programme. Prof. Amith K S, Prof. Antheesh R, Prof. Sukesh & Prof. Vinaya Shyam worked as faculty coordinators.

Campus Achievements

Student Achievements

- Mr. Dhanush Bhat of 7th Semester ISE has been awarded as “Best Student-2017” ISTE Karnataka Section Award in 14th ISTE Student Convention held at GMIT, Davanagere on 8th September, 2017.
- Madan Gouda of III Year Mechanical Engineering participated in VTU Inter-Collegiate Chess Competition conducted on 7th October 2017 at SJMIT, Chitradurga.
- The Project Proposal “Areca Spraying System by Drone” submitted by Madan Gupta and Ranna of III Year Mechanical Engineering has been selected for the Final Round of Anveshana Project Competition organized by Agastya Foundation, Bengaluru.
- Mr. Kaivalya Vernekar of II Year Mechanical Engineering participated in International Interdisciplinary Conference on Knowledge Partnerships to advance UN Sustainable Development Goals on 17th and 18th November 2017 at St. Philomena’s College, Mysuru.
- Miss Suraksha Naik and Miss. Spoorthi G P won prizes in the pencil sketch competition on 28th August 2017.

Student Activities

- The Department of Mechanical Engineering and Civil Engineering celebrated Quit India Day on 9th August 2017. Quit India Day Oath was taken by the students during the occasion. Mr. Premkumar S. and r. Subrahmanya R. Sharma coordinated the programme.

- As a part of Save Energy Campaign, Energy Awareness Posters have been displayed at various places by Energy Club of the Department of Mechanical Engineering. Mr. Premkumar S. was the coordinator for the programme.
- Ms. Shilpa & Ms. Sannidhi Jain from 5th semester CSE participated in the "Three days National Level Workshop on Ethical Hacking & Cyber Security" organized by Department of Computer Science & Engineering, P. A. College of Engineering, Mangaluru on 21st - 23rd September, 2017 in association with IBNC India & I-Medita Learning Solutions (P) Limited.
- Department of CS&E under the umbrella of ASCII Association & Chess club conducted a Chess competition on 24th September 2017. Prof. Rakshith M D coordinated the event. Mr. Venkatesh K, Mr. Vishruth Bhat, Mr. Sanjay & Mr. Vinesh were the student coordinators. The winners were 1) Mr. Madan (5th Sem Mechanical) 2) Mr. Pratheep Kumar (5th Sem ISE) 3) Ms. Akshatha 4) Ms. Swathi somyaji 5) Ms. Mala 6) Ms. Chaithanya 7) Ms. Tejaswini.



- Students of III Year Mechanical Engineering planted saplings around the laboratory block on 28th September 2017 on the occasion of Ayudha Pooja. Mr. Suresh N. coordinated the programme.
- National Unity Day was celebrated by the Department of Mechanical Engineering on 31st October 2017. Unity Day Pledge was taken by students and faculty members during the occasion.
- Students of SDMIT participated and performed in SDM Kala Vaibhava Cultural Programme at Amrutha Varshini Sabha Bhavana, Dharmasthala on 21st November 2017.



Staff Activities and Achievements

- Dr. Girish Kumar and Mr. Suresh N. of Mechanical Engineering visited SDM Institute of Ayurveda and Hospital along with Mr. Manoj Gadiyar of CSE and Mr. Vishwanatha Bhat of Civil on 14th August 2017 to participate in a workshop/Discussion with Dr. Anil Kumar Ramsesh regarding setting up innovation lab at SDMIT, Ujire. Dr. K. Suresh, Principal, SDMIT presided over the proceedings.
- Dr. Krishnaprasad P.A., Head, Department of Civil Engineering, presided over as the Chief Guest in Value addition to Teaching and Learning program organized by the Belthangadi taluk Education Board at Govt. High School, Ujire on 18th August, 2017.
- Mr. Vishwanatha Bhat, Assistant Professor, Department of Civil Engineering, gave a talk on 'Raingauges' and Dr. Krishnaprasad P.A., Head, Department of Civil Engineering, gave a talk on 'Current Practices in Low-Cost Housing' during the occasion.



Mr. Vishwanatha Bhat in Conversation with teachers



Dr. Krishnaprasad P.A. delivering talk

- Four radio programmes on reciting the current science trends by Mr. Vishwanatha Bhat, Assistant Professor, Department of Civil Engineering, were recorded at FM Ninada-90.4 Hz.
- Dr. Girish Kumar was invited as keynote speaker for meeting of parents of Science PU students on 30th August 2017 at Vani Pre-University College, Belthangadi.
- A 'Musical appreciation programme' was conducted by Prof. UK Malla for the PU Students at SDM PU College in September 2017. The main essence of the programme was to appreciate charismatic Indian person and their contribution to the musical world. Selected part of the selected music was played and made aware of the benefits on health which intern increases mathematical and learning ability and also it relieves stress. Around 100 students and faculty members of the college were present.
- Prof. Basavaraj Patil was the Resource Person for the two days' workshop on "Computer Network Programming using NS2/NS3 and Java" during 4th-5th September, 2017 at KLE Dr. M. S. Sheshadri College of Engineering and Technology, Belagavi.
- Mr. Vishwanatha Bhat, Assistant Professor, Dept. of Civil Engineering, was a keynote-speaker in -Swacchatha Abhiyana, organised by Samskritha Sangha, on 7th September 2017 at SDM Pre-University College, Ujire. In this occasion, he spoke about the concept of cleanliness in Samskritha literature.
- An article by Mr. Vishwanatha Bhat, Assistant Professor, Dept. of Civil Engineering, was published in 'Anantha Prashasha' - September issue, a Kannada monthly magazine. Title of the article was- ಮುಂಗಾರಿನ ವರ್ಷದ ಸ್ವಗತ



- A short article on River Health was published in 'Suddi Bidugade'- a weekly newspaper, by Mr. Vishwanatha Bhat, Asst. Professor, Department of Civil Engineering.
- Dr. Girish Kumar, Professor and Head, Department of Mechanical Engineering delivered a technical talk on the topic "Inspirations for Engineers from Ancient India" on 9th September 2017 at KVG College of Engineering, Sullia.
- Prof. Manoj Gadiyar participated in 27th edition of Bridge 2017 – Bengaluru organized by ICAT Academy on 20th September, 2017 at Bengaluru. Managing Directors from Intel, Wipro, Adobe, Amazon, TCS, and Infosys were the key speakers in that largest Industry Institute Interaction meet.
- Dr. Girish Kumar, Professor and Head, Department of Mechanical Engineering visited Kumaraguru College of Technology, Coimbatore to participate in Think Fest Hackathon and Tamilnadu Agricultural University, Coimbatore to visit Farm and Agricultural Research Equipment Research Division during 23rd-25th September 2017.
- Dr. S Samshuddin of Department of Chemistry has been awarded VGST grant Seed Money to Young Scientist for Research (SMYSR) by Government of Karnataka during October 2017.

- Mr. Shivakumar C., Asst. Professor – Mechanical Engineering, successfully completed Comprehensive Viva-Voce stage of PhD studies on 6th October 2017.
- Dr. Girish Kumar, Professor and Head – Mechanical, participated in Awareness on “Skill Development Programmes offered at CoE for Aerospace and Defence (CEAD), VTU Regional Centre, Bengaluru”. The programme was conducted at Srinivas Institute of Technology, Mangaluru on 10th October 2017. Mr. Suresh Rao, CEO, CEAD, VTU RO, was the resource person.
- Mr. Sukesh N., Asst. Professor – Mechanical Engineering, coordinated 2-week FDP on “Pedagogy for Online and Blended Teaching-Learning Process” through IIT-B Remote Centre of the Institute during October 2017.
- Prof. Dr. K. Manjunath, HOD, participated in a short-term course on “Training of Trainer Programme” conducted by SKILL Council for Green Jobs, New Delhi during 10th October to 16th October, 2017 at Surabhi Educational Society, Hyderabad.
- Prof. Subrahmanya Bhat, attended and presented a technical paper entitled “An Efficient Power Conditioning Unit to PV-based Distribution Generation System for Power Quality Improvement” in “2nd International Conference on Science, Technology and Management (ICSTM-2017) in IETE, Hyderabad, on 15th October 2017.
- Dr. Rajatha, Librarian, has been appointed by VTU as member of Steering Committee to VTU Consortium for E – Resources to the Libraries 2018.
- Dr. Sanjay S S, Dept. of Chemistry, visited Ayurvedic college and research centre-Udupi along with Dr. Keshav Hedge for the discussion towards tumorous alkaloids in commercial crops on 2nd November 2017.
- Prof. Udaya Kumar Malla conducted Musical Appreciation Programme for Chemistry cycle students of SDMIT, Ujire on 5th November 2017. Parts of the selected music was played and made aware of the benefits of Music on health.
- Dr. Girish Kumar and Mr. Sukesh N. of Mechanical Engineering visited Bengaluru on 11th November 2017 to participate in a workshop/Discussion with Dr. Anil Kumar Ramsesh, Head (R & D), Dovers Corporation, Bengaluru regarding conducting Hackathon and setting up innovation lab at SDMIT, Ujire.
- Mr. Vinayshyam and Dr. Krishnaprasad P. A. represented the Dept. of Civil Engineering in Agreeema Meet on the interests of Incubation lab at SDMIT Ujire on 11th November 2017.



- Swathi Phadke, Dept. of Chemistry, has participated as resource person and demonstrated simple science experiments to school students in the NSS Annual Special Camp of NSS Unit of SDMC, Ujire held at Government Higher Primary School Bajire 13th November 2017.



- A model exhibition was organized on 14th November 2017. The event was coordinated by Mr. Raveesh Padumale, Asst. Professor, Dept. of Civil Engineering.



- A poem entitled ಜಲಧರನಚೂರು by Mr. Vishwanatha Bhat, Asst. Professor, Dept. of Civil Engineering, was published in Suddi Bidugade on 23rd November 2017 edition.
- Dr. S. Samshuddin appointed as a Member of Editorial Board Referees for Arkivoc, Arkat Publications, USA [Since December 2017].
- A field visit to the Western Ghats was carried out on 9th Dec. 2017, jointly by the Dept. of Civil Engineering and Mechanical Engineering, SDMIT-Ujire. The study site visited was Ballala Rayana Durga, a mountainous peak situated on the boundary of Dakshina Kannada and Chikkamagalur Districts. These peaks form the drainage divider to the westward and eastward rivers originating in the Western Ghats. Hydro-geological features of the study area have been studied and some samplings regarding the same were spotted. The visit also did undergo a reconnaissance work of Hillslope watersheds, runoff processes, soil layer characteristics and the historical mortar used in the construction of the fort. To support Swachh Bharath campaign, gathering Plastic waste along the free trail was organised. The event was organised by Mr. Vishwanatha Bhat. The participants were: Mr. Hanuantharaju S.K., Mr. Vinay M.R., Mr. Ramprasad D.S., Mr. Prateeksh M. from the Dept. of Civil Engineering; Mr. Sharath K.C., Mr. Sukesh from the Dept. of Mechanical Engineering SDMIT.



A great escarpment of Ghatikallu



A typical small hillslope watershed covered with Shola forest



Soil Pipe flow



The fort wall with historical mortar



A Swachh Bharath Initiative in the eco-trail

- Prof. Mohan Naik R and Prof. Sowmya T.K of Electronics and Communication Engineering participated in "Arm Microcontroller and Embedded System Using Arm Cortex M3" from 11th to 15th December 2017 at Jawaharlal Nehru National College of Engineering, Shivamogga.
- Mr. Vishwanatha Bhat, Asst. Professor, Dept. of Civil Engineering, was the resource person in a workshop on 'Desk-Top Printing in Sanskrit', organized on 16th December 2017 jointly by Sanskrit Sangha and Computer Science section at SDM Pre-University College, Ujire. Mr. Bhat delivered an extensive hands-on session on 'DTP using BARAHA software.'



Mr. Vishwanatha Bhat addressing the gathering



Participants working on DTP

- Dr. S. Samshuddin, Dept. of Chemistry, has participated as Chief Guest for the annual day celebration at St. Rita Educational Institutions, Vittal on 20th December 2017. He gave keynote address on the challenges facing in modern education system.



- Dr. Girish Kumar chaired a session in the International Conference on Research in Mechanical Engineering Sciences (RiMES 2017) held on 21st December 2017 at Manipal Institute of Technology, Manipal.
- Prof. Praveen H. L, Prof Prathapchandra and Prof. Ramachandra of Electronics and Communication Engineering participated in workshop on "Arm Cortex M3" from 26th to 28th December 2017 at GSSS Institute of Engineering and Technology for Women, Mysuru.
- Mr. Mahesh B. Patil coordinated Yoga Camp for Surya Mitra trainees during the entire month of December 2017.



The roots of education are bitter, but the fruit is sweet.

- Aristotle

Faculty Publications

- Dr. K. Suresh published a paper titled "Dynamic Response Studies of GeTe devices for Memory Applications" in Materials Today Proceedings (International Conference on Materials Processing and Characterization – ICMPC -2017), pp 1-6.
- Dr. Suresh K. published a paper titled "Adaptive Spectral Subtraction to improve Quality of Speech in Mobile Communication", in International Journal of Communications and Distributed Systems (Interscience Publishers, Vol. 18, Nov 2017).
- Dr. Suresh K., published a paper titled "Implementation of Spectral Subtraction using Subband filtering in DSP C6748 Processor for Enhancing Speech Signal" in the Proceedings of First International Conference on LAMDA, NIT, Goa, Oct 2017.
- Dr. Dharmanna L published a paper titled "Design & Development of Novel Algorithms for Diagnosis of Glaucoma in Different Types of Images Using Advanced Image Analysis Techniques", in proceedings of IEEE International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICT'2017) held at Vimal Jyothi Engineering College, Kannur (Dt.) Kerala, India during July 6th & 7th, 2017.
- Basavaraj Patil, published a paper titled "Content Based Image Retrieval Based on Color, Texture and Shape Feature" in International Journal of Advance Research in Engineering, Science & Technology, Volume 4, Issue 7, July-2017, e-ISSN: 2393-9877, p-ISSN: 2394-2444.
- Dr. Basava T. and Mr. Bujanga D.P. published a paper titled "Processing and Mechanical Characterization of AA 6061-B4C Composite", in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Vol. 14, Issue 4, Ver. 1, July-August 2017, e-ISSN: 2278-1684, p-ISSN: 2320-334X.
- Dr. Dharmanna L published a paper titled "Automatic control of Railway Gates and Destination notification system using Internet of Things(IOT)", in International Journal Education & Management Engineering, 2017(IJEME-2017), 4,5, pp:45-55, ISSN
- Somashekar D.P. attended and presented a technical paper entitled "Impact of Optimal Allocation of Distributed Generation in Integrated Distribution System" in "6th International Conference on Research Trends in Engineering Applied Science and Management (ICRTESM-2017) in IETE, Ganganagar, Bengaluru on 6th August 2017.
- Prof. Somashekar D.P. published a technical paper entitled "Impact of Optimal Allocation of Distributed Generation in Integrated Distribution System" in "International Journal of Electronics, Electrical and Computational System (IJECS) with ISSN-2348-117X" Volume 6, Issue 8, pp. 23-28, August 2017.
- Dr. Rajatha, Librarian published a paper titled "Best Practices of SDMIT Learning Resource Center" at International Journal of Library Science and Research (IJLSR) ISSN (P): 2250-2351; ISSN (E): 2321-0079, Vol. 7, Issue 4, Aug 2017, Page No. 57-62.
- Swathi Phadke, N. and Dr. Samshuddin, S. published a paper titled A Review on 1,2,4-Triazole Derivatives as Corrosion Inhibitors. J Bio Tribo Corros 3:42, 2017.
- Dr. S Samshuddin and Prof. Swathi Phadke published a paper titled 'Fatty acids and its derivatives as corrosion inhibitor for mild steel-A overview' at Journal of Asian Scientific Research, Aug 2017, 7(8); 301-308
- Mr. Nityanand B., Asst. Professor, Department of Mechanical Engineering published a paper titled "Fractographic and three body abrasion behavior of Al-Garnet-C hybrid chill cast composites" in the IOP Conf. Series: Materials Science and Engineering (Publication details: 22 (2017) 012290 doi:10.1088/1757-899X/225/1/012290)
- Dr. Basava T. and Mr. Bujanga D.P. published a paper titled "The Effect of Ti Addition on the Properties of AA6061-B4C Interface – A Microstructural Study" in the International Journal of Innovative Research in Science, Engineering and Technology (Publication details: Vol. 6, Issue 8, August 2017, pp. 16663-xx, ISSN: - Online: 2319- 8753, ISSN – Print: 2347-6710).
- Dr. Basava T. and Mr. Bujanga D.P. published a paper titled "Tribological Behaviour of AA 6061 Alloy Reinforced with Boron Carbide Particles at Room and Elevated Temperature" in the International Journal of Research in Applied Science and Engineering Technology (IJRASET) (Publication details: Vol. 5, Issue 8, August 2017, pp. 833-xx, ISSN: 2321-9653).
- Subrahmanya Bhat, published a technical paper in International Journal for Electronics, Electrical and Computational Algorithm Systems (IJECS) on "An Efficient Power Conditioning Unit to PV-based Distribution Generation System for Power Quality Improvement" Volume 6, Issue 10, in October 2017.

Prof. Suchetha N V published a paper titled "Reconstructive Subspace based Multi-modal Biometric for Accurate Person Authentication", in International Journal for Research in Applied Science & Engineering Technology, DOI: 10.22214, ISSN: 2321-9653, October 2017.

G. P. Hegde published a paper titled "Supporting Issues for Expression Recognition and Classifications", in the International Journal of Engineering Development and Research (ISSN: 2321-9939), November, 2017.

Dr. Jagadeesha S. published a paper titled "Design and study of microstrip patch antenna for applications using HFSS" in International journal for research in applied science and engineering technology", ISSN No. 23219653.

Dr. Basava T. and Mr. Sridhara T. published a paper titled "Dry Wear Behaviour of Heat Treated A413 Alloy" in Materials Today (Publication details: Materials Today: Proceedings 4 (2017) 10714-10720).

Prof. Subrahmanya Bhat, published a technical paper in Journal of Advanced Research in Dynamical and Control Systems (JARDCS) on "Modeling of Impedance Source Inverter based PV Grid- Tied System with LVRT for Power Quality Improvement" with ISSN 1943-023X, in December 2017.

Mr. Padmaraj A. published a paper titled "Design and Development of Fabrofeel – A Computerized Instrument to Measure the Hand of a Fabric" in International Journal for Scientific Research and Development (IJSRD) (Publication details: Vol. 5, Issue 5, 2017, ISSN (Online): 2321-0613).



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