



DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT

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

(6 Branches CSE, ISE, ECE, EEE, ME& CE Accredited 3 years by NBA, New Delhi)

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082



Department of Computer Science & Engineering

Event Name	National Level Workshop on “Cyber Forensics and Ethical Hacking” in association with CyberCure Technologies Pvt. Ltd.
Theme	Workshop
Date	26-03-2018 and 27-03-2018
Venue	CSE DSATM, Bangalore

Photos



Objectives of the Program/ Event:

- Introduction to Hacking
- Insight on Operating System Hacking, Mobile Hacking and Facebook Hacking
- Virus writing, Concepts of Cyber Forensics
- Reverse Engineering
- Social Media Digging
- Playing with the networks and Internet : www attacks

Details: National Level Two Day Workshop on “Cyber Forensics and Ethical Hacking” in association with Cyber Cure Technologies Pvt. Ltd.

Date: 26-03-2018 and 27-03-2018

Audience: 4th sem CSE, ISE and EC Students, 2nd Sem Students

No. of Students: 172

Speaker: Mr. Sangeet Chopra from CyberCure Technologies Pvt. Ltd.

Preferably Measurable outcomes:

- Students were exposed to the basics of Ethical Hacking.
- Reverse Engineering of Software was taught to them.



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Department of Computer Science & Engineering

Event Name	National Level Workshop on “ ML & AI National Level workshop ” in association with GeeksLab Technologies
Theme	Workshop
Date	24-9-2019, 25-9-2019,26-9-2019,27-9-2019 & 28-9-2019
Venue	CSE DSATM, Bangalore



Objectives of the Program/ Event:

- To familiarize with the basic concepts of ML and AI
- To help the participants understand the concepts of linear regression, methods of image classification, Artificial Neural Networks etc.
- To help the participants in implementing ML and AI
- To help the participants work with various tools required for ML and AI
- For further research in ML and AI projects.

Details:ML & AI National Level workshop from 23rd to 27th September 2019 by Mr. Vipul Kumar from GeeksLab Technologies Pvt. Ltd. For 5th semester Students

Date: 24-9-2019, 25-9-2019,26-9-2019,27-9-2019 & 28-9-2019

Audience: 5A & 6B students

No. of Students: 120

Speaker: Mr. Vipul Kumar from GeeksLab Technologies Pvt. Ltd

Preferably Measurable outcomes:

- The students were able to participate in implementing ML and AI
- The students understood basic concepts of ML and AI
- The students were able to understand the concepts of linear regression, methods of image classification, Artificial Neural Networks etc



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Department of Computer Science & Engineering

Event Name	Data Structure Workshop on in association with Livikodez
Theme	Workshop
Date	23-9-2019,24-9-2019,25-9-2019,26-9-2019
Venue	CSE Lab, DSATM, Bangalore



Objectives of the Program/ Event:

- to provide an intense training on teaching about c and c++ languages
- training about mini projects at undergraduate level for 3 sem CSE students

Details:

Hands on Data Structure workshop on 23rd, 24th & 25th, 26th September 2019 by Prathima.G from Livikodez 3 rd semester Students.

Audience: 3rd sem Students

Speaker: Ms Prathima.G from Livikodez

Preferably Measurable outcomes:

- Given insight to carry out mini projects referring to few resources, which would help the students to develop mini projects.
- The students were able to Implement concept of stack and queue using linked list is carried out.
- The students were able to understand tracing of c programs with examples



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Department of Computer Science & Engineering

Event Name	2 Day Workshop on Android App Development using Java
Theme	Workshop
Date	07-11-2019 and 08-11-2019
Venue	CSE Lab, DSATM, Bangalore



Objectives of the Program/ Event:

- To make students to understand Flow in Android studio
- Get Additional features of Android studio
- To get External APIs integration

Details:

A Two days department workshop on android development using android studio was conducted in the Department of CSE, DSATM in association with Tequed Labs Pvt Ltd.on 7th and 8th November, 2019.

Speaker: Rishab Verma and Krati Shrivastava Tequed Labs Pvt Ltd.

No of students attended: 120

Preferably Measurable outcomes:

- The students were able to understand applications of Android Studio in various fields
- Discussed about various future projects with students to be taken
- The students were able to understand Additional features of Android studio



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Department of Computer Science & Engineering

Event Name	2 Day WORKSHOP ON DIGITAL MARKETING
Theme	Workshop
Date	16 th and 17 th October 2019
Venue	CSE Lab, DSATM, Bangalore



Objectives of the Program/ Event:

- Focused on the implementation and uses of Digital Marketing and Advertising in today's fast-paced world

It was a 2-day hands-on workshop that primarily focused on the implementation and uses of Digital Marketing and Advertising in today's fast-paced world. The session kicked off with the explanation of basic concepts and terminologies used in the world of Digital Marketing via a PowerPoint presentation. It focused on the meaning, necessity and various forms of advertising and various techniques to implement the same.

Details:

A Digital Marketing workshop was conducted on 16th and 17th October 2019 in the Computer Science Dept. of Dayananda Sagar Academy of Technology and Management by Shakti Agrawal, CSE 4TH YEAR FROM A CSE CLUB EVENT

Preferably Measurable outcomes:

- Various Tools and websites that help in advertising, generating income and optimizing a website such as Google AdWords, UberSuggest, SemRush, Moz, Google Trends, Google Analytics, Google Search Console, Freenom were also introduced and discussed.
- with takeaways of online study materials and a promise to aid any student who wishes to implement any idea and begin a start-up



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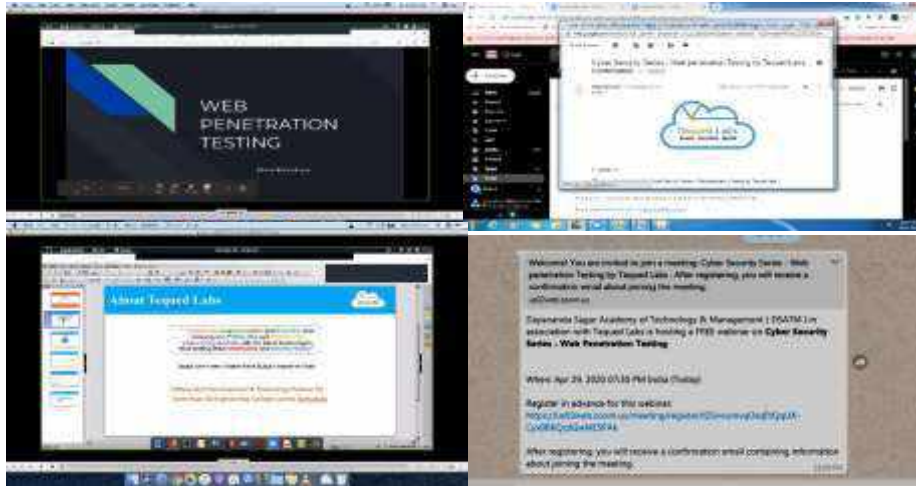
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Department of Computer Science & Engineering

Event Name	FREE webinar on Cyber Security Series - Web Penetration Testing
Theme	Workshop
Date	Apr 29, 2020 07:30 PM India
Venue	ONLINE WEBINAR FOR CSE STUDENTS



Objectives of the Program/ Event:

- Students Learn how to best mitigate and protect your vital business data from future cybersecurity attacks
- About Penetration testing designed to assess security before an attacker does

Details:

FREE webinar on Cyber Security Series - Web Penetration Testing in association with Tequed labs By Mr Dinesh White hat hacker, Works for the cyber cell department Managing Director at Hackup Technology on Apr 29, 2020 07:30 PM India. For CSE all semester students

No. Of participants:

660 PARTICIPATION STRENGTH (including other colleges)

Preferably Measurable outcomes:

- Testing a computer system, network or web application to find security vulnerabilities
- How to assess systems, network security controls, and security posture.



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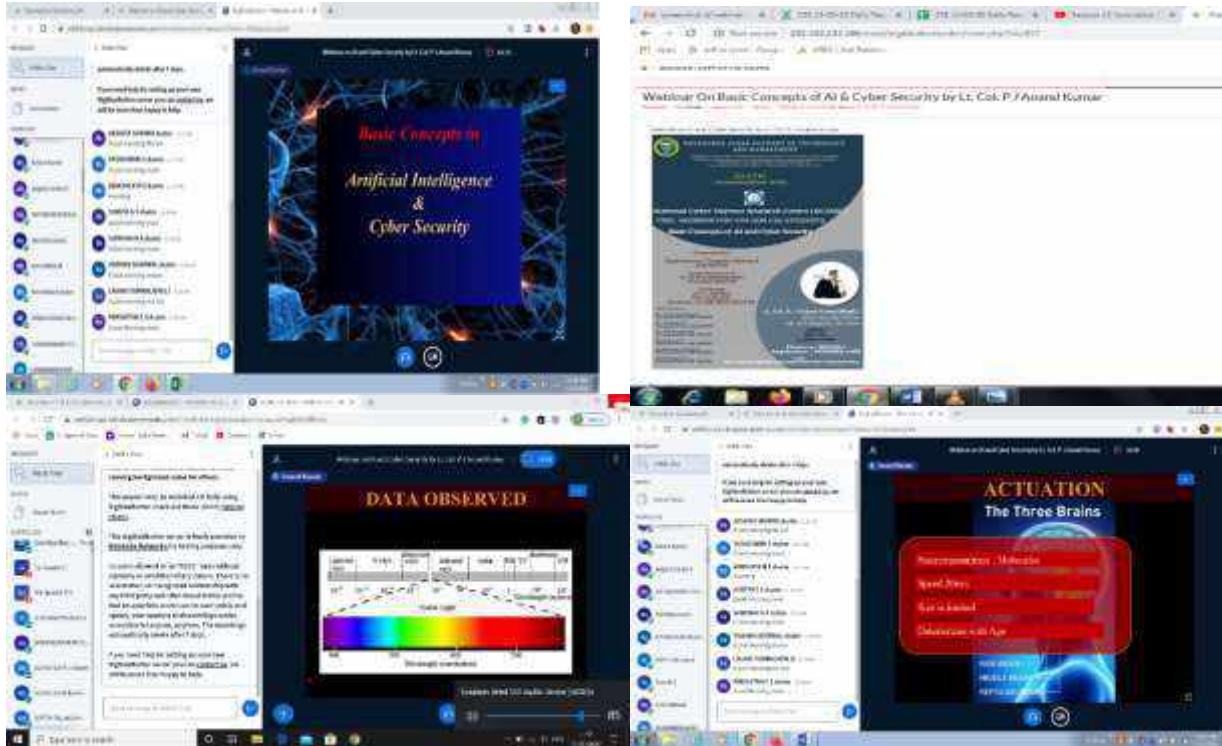
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Department of Computer Science & Engineering



Details: FREE webinar on basics of AI and Cyber security in association with National Cyber Defence Research Centre (NCDRC) Lt. Col. P. J Anand Kumar (Retd.) Cyber Security Officer, OIC AI & Robotics CME, Pune on May 15, 2020 11.30am-1.30pm India.

No. Of participants: 120 PARTICIPATION STRENGTH

Preferably Measurable outcomes:

Ability to perform cognitive functions such as perceiving, learning, reasoning and solve problems are deemed to hold an artificial intelligence



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Department of Computer Science & Engineering

Event Name	Zero-Defect Coding using Altair MBD Tools for IOT & Embedded Solution
Theme	5- DAY NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAMME On Zero-Defect Coding using Altair MBD Tools for IOT & Embedded Solution
Date	28th June to 02nd July 2019
Venue	DSATM Seminar Hall & Second Floor print from here

Objectives of the Program/ Event:

- The Use of MBD Modelling Techniques in the Design and Development of a Suspension System
- Challenges to Extending Design Verification and Optimization in Completion Tool

Details about the event:

The Department of CSE organised the FDP on “Zero-Defect Coding using Altair MBD Tools for IOT & Embedded which introduced the concept of Model Based Design and leading solution offered by Altair’s Compose, Activate and Embed product suite for IOT/Embedded development using Auto-code Generation approach

FDP Resource Person:

- 1.Mr.Chandra Kumar, Senior Field Application Engineer, Altair India
2. Mr.Amol Varwade, Field Application Engineer, Expert in IoT Smartworks

Participants:18

Preferably Measurable outcomes:

- The faculties were able to understand the *Use of MBD Modelling Techniques in the Design and Development of a Suspension System*
- The faculties were familiar with *Challenges to Extending Design Verification and Optimization in Completion Tool*



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Department of Computer Science & Engineering

Event Name	Machine Learning and Deep Learning with H2O.ai
Theme	5- DAYS NATIONAL LEVEL FDP On Machine Learning and Deep Learning with H2O.ai
Date	January 28th -1st February 2020
Venue	DSATM Seminar Hall & ML lab



Objectives of the Program/ Event:

- To work on important technologies of ML & AI: Deep Learning, Natural Language Processing and Reinforcement Learning.
- Practical implementation of every technique with real world applications
- Understand the concept of artificial neural networks, convolution neural networks, and recurrent neural networks
- Developing skills in predictive analytics using ML and Deep Learning algorithms.

Details about the event:

This FDP aims to explain the basic principles behind H2O and get you to know the concept in the most simple way. And able to import, explore, and modify datasets, play with models, verify models performances. Machine Learning (ML) relies on learning patterns based on sample data.. Deep Learning is a specialized form of Machine Learning that uses supervised, unsupervised, or semi-supervised learning to learn from data representations using H2O, is open-source machine learning platform.

FDP Resource Person:

1. **Dr. T Senthil Kumar**, Associate Professor, Amrita Vishwa Vidyapeetham
2. **Mr V Sasikumar. M.E**, Software Engineer III, Walmart labs, Bangalore

Participants: **31**

Preferably Measurable outcomes:

- The faculties were able to Understand the concept of artificial neural networks, convolution neural networks, and recurrent neural networks
- The faculties were able to do predictive analytics using ML and Deep Learning algorithms.



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Department of Computer Science & Engineering

Event Name	RESEARCH METHODOLOGY
Theme	3- DAY WORKSHOP On RESEARCH METHODOLOGY
Date	February 21st – 23rd 2019
Venue	DSATM Seminar Hall & ML lab

Hindu and Kannada Prabha News Paper clippings of FDP on Research Methodology at DSATM.



Objectives of the Program/ Event:

- To develop understanding of the basic framework of research process.
- To develop an understanding of various research designs and techniques.
- To identify various sources of information for literature review and data collection.
- To develop an understanding of the ethical dimensions of conducting applied research.

Details about the event:

Event Title:

THREE DAY NATIONAL LEVEL WORKSHOP ON “Research Methodology”

February 21st to 23rd 2019 Organized by Department of CSE & ISE In association with Visvesvaraya Technological University (VTU), ISTE & CSI-Bangalore Chapter.

Sponsored by ISTE-Karnataka Section

Workshop Resource Persons:

- Dr. M H Bala Subramanya, Professor, IISC, Bengaluru - 560012.
- Dr. M Mathirajan, Chief Research Scientist, IISC, Bengaluru - 560012.
- Dr. Jay B Simha, Chief Technical Officer, Abiba Systems, Bangalore
- Dr. K. Uma Rao ,Professor, Department Of EEE, RVCE, Bangalore

Participants:52

Preferably Measurable outcomes:

- The participants understood the basic framework of research process and various research designs and techniques
- The participants were familiar with various sources of information for literature review and data collection
- The participants understood the ethical dimensions of conducting applied research



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Department of Computer Science & Engineering

Event Name	BIG DATA ANALYTICS USING HADOOP
Theme	5 DAY FACULTY DEVELOPMENT PROGRAMME
Date	Jan 16 th -20 th 2019
Venue	DSATM Seminar Hall & Second Floor



Objectives of the Program/ Event

- List the components of Hadoop and Hadoop Eco-System
- Access and Process **Data** on Distributed File System
- Develop **Big Data** Solutions using Hadoop Eco System

Details about the event:

Event Title:

5 DAY FACULTY DEVELOPMENT PROGRAMME on BIG DATA ANALYTICS USING HADOOP from Jan 16th -20th 2019 in association with Visvesvaraya Technological University (VTU), ISTE & CSI-Bangalore Chapter at Innovation Lab, Dayananda Sagar University, School of Engineering.

Key Note Speaker:

Mr.Niranjan Kamath, Head Big Data Analytics Group, HP, Bangalore

FDP Resource Persons:

Mr.Vithal Sampgar, 7yrs in Industry in the domain of Big Data Analytics, Mr.CVSN Reddy, 32yrs in IT Industry- NICNET, Motorola, IBM, HP in Telecom, Big Data and IoT domains., Dr. Sanjay Chitnis, Professor & Director, Innovations Labs, Dayananda Sagar University, Bangalore., Dr. Shaila S. G , Research in Big Data Analytics, Dr. B Venkateswarlu, Area of Research is in Data Warehousing and Data Mining, Dr. Rajeesh T M, Dept. CSE, Dayananda Sagar University

Participants:29

Preferably Measurable outcomes:

- The Faculties were familiar with components of Hadoop and Hadoop Eco-System
- The Faculties understood Access and Process **Data** on Distributed File System
- The Faculties were able to develop **Big Data** Solutions using Hadoop Eco System



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Department of Computer Science & Engineering

Event Name	Microcontroller and Embedded systems Laboratory-18CSL48
Theme	“3- DAYS FACULTY DEVELOPMENT PROGRAMME” Microcontroller and Embedded systems Laboratory-18CSL48
Date	6th to 8th Feb 2020
Venue	DSATM Seminar Hall & Second Floor



Objectives of the Program/ Event:

- Understand the fundamentals of ARM Based Systems, Basic Hardware Components and attributes of Embedded System
- Describe the architecture and instruction set of ARM microcontroller.
- Develop and test program using ARM7TDMI/LPC2148
- Conduct the experiments on an ARM7TDMI/LPC2148 evaluation board using evaluation version of Embedded „C“ & Keil Uvision-4 tool/compiler

Details about the event:

This FDP aims to explain the basic principles of ARM microcontroller and an introduction to LPC2148. Through this FDP we aim to provide a clear and deep understanding on LPC2148 evaluation board. Hands on session are arranged for all the interfacing programs with a detailed explanation of the same. Benefiting students to apply the concepts to implements various applications on IOT and embedded Systems.

FDP Resource Person:

Harish Nadig

CEO, Vasundhara Technologies, Bangalore.

Participants: 42

Preferably Measurable outcomes:

- The faculties were able to Develop and test program using ARM7TDMI/LPC2148
- Faculties were able to Conduct the experiments on an ARM7TDMI/LPC2148.ble to evaluation board using evaluation version of Embedded „C“ & Keil Uvision-4 tool/compiler



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Department of Computer Science & Engineering

Event Name	5 Days Webinar Series on Research Focus in Computer Science
Theme	5 Days Webinar Series on Research Focus in Computer Science in association with CSI Bangalore Chapter
Date	8 th to 12 th JUNE 2020
Venue	DSATM Seminar Hall & Second Floor

Objectives of the Program/ Event:

- Understand the research insights in various fields of computer science.
- To give insight in latest technology on which research can be carried out
- IoT for health care , intrusion detection system, clouds computing with its application align with image processing and its applications in view of security aspect



Details about the event:

This FDP aims to explain the major research aspects in computer science field.

FDP Resource Person:

Prof. Raghavendra Prasad , SAC-IEEE, Dept. of ISE RVCE, Dr.Padmashree T, Dept. of ISE, RVCE, by Prof. Gururaj H S, Dept. of ISE,BMSCE, Dr. Inbavalli, Vice Principal, Marudhar Kesari Jain College for Women, Dr.C.Nandini, Vice Principal, Prof. & Head CSE Dept. DSATM

Participants: 50

Preferably Measurable outcomes:

- Insight of various technologies in the research area which are in trend are discussed
- Scope of vedic Mathematics and its application, IOT in health care, image processing and its applications in research area.



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Department of Computer Science & Engineering

Event Name	National Level Workshop on “Internet of Things(IOT)” in association with Geek Lab Technologies Pvt. Ltd.
Theme	Workshop
Date	02-11-2017 and 03-11-2017
Venue	CSE DSATM, Bangalore

Photos



Objectives of the Program/ Event:

- Provide in-depth knowledge of Internet of Things(IoT)
- Exposure to various sub-fields and technology stacks of IoT
- Enables to convert IoT product idea into working prototype and to build their own product, Exposure to Arduino Microcontroller.

Details: National Level Two Day Workshop on “Internet of Things(IOT)” in association with Geek Lab Technologies Pvt. Ltd.

Date: 02-11-2017 and 03-11-2017

Audience: 3rd Sem CSE, ECE 1st Sem Students all branch, DSU Students

No. of Students: 183

Speaker: Mr. Anshul Verma, Anurag, Shivendu from Geeks Lab Technologies Pvt. Ltd., Delhi

Preferably Measurable outcomes:

Students were able to make their own

- Smart Home and Smart Agriculture system which can be interacted through android/laptop remotely.
- Smart switches to control Electrical Appliances to Turn ON/OFF
- Smart Car Parking System that will notify on app the location of the car parked.



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Department of Computer Science & Engineering

Event Name	National Level Workshop on “Machine Learning and Artificial Intelligence Using Python”
Theme	Workshop
Date	30-08-2017 and 31-08-2017
Venue	CSE DSATM, Bangalore

Photos



Objectives of the Program/ Event:

- Introduction to Data Science terminology
- Understanding about Genetic Algorithm
- Introduction to Artificial Intelligence

Details:

Date: 30-08-2017 and 31-08-2017

Audience: CSE students

No. of Students: 63

Speaker: Mr. Akash Sonthalia

Preferably Measurable outcomes:

- Students understood the concepts of Genetic Algorithm
- Students understood the concepts of Neural Network and CNN
- They executed few programs in python



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Department of Computer Science & Engineering

Event Name	National Level Workshop on “Web Development with Angular JS”
Theme	Workshop
Date	14-03-2017 and 15-03-2017
Venue	CSE DSATM, Bangalore

Photos



Objectives of the Program/ Event:

- Introduction to Web Development
- Building Realtime Application

Details:

Date: 14-03-2017 and 15-03-2017

Audience: 6th Semester CSE students

No. of Students: 100

Speaker: Mr. Raja Ranjan A

Preferably Measurable outcomes:

- Students understood the concept of HTML, CSS, Javascript and Angular JS
- They explored Angular JS Library
- They understood how to create front end using HTML and Bootstrap



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Department of Computer Science & Engineering

Event Name	National Level Workshop on “Android for Beginners”
Theme	Workshop
Date	07-03-2017 and 08-03-2017
Venue	CSE DSATM, Bangalore

Photos



Objectives of the Program/ Event:

- Introduction to Java and Android
- Understanding the Android Application Structure
- Application Development

Details:

Date: 07-03-2017 and 08-03-2017

Audience: 4th semester CSE students

No. of Students: 118

Speaker: Mr. Raja Ranjan A

Preferably Measurable outcomes:

- Students understood the concept of Java, Android
- They developed simple android application like calculator application
- They developed advanced application like camera application and display the photo on screen



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Department of Computer Science & Engineering

Event Name	National Level Workshop on Internet of Things
Theme	Workshop
Date	26-08-2015 and 27-08-2015
Venue	CSE DSATM, Bangalore

Photos



Objectives of the Program/ Event:

- Introduction to Internet of Things
- Understanding the Internet of Things Application Structure
- Application Development

Details:

Date: 26-08-2015 and 27-08-2015

Audience: CSE students

No. of Students: 155 students

Speaker: Anshul Varma and Pawan Shah

Preferably Measurable outcomes:

- Students understood the concept of Internet of Things
- They developed simple Internet of Things application
- They developed advanced application like sensors and display



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Department of Computer Science & Engineering

Event Name	National Level Workshop on Big Data and Hadoop
Theme	Workshop
Date	10-09-2016 and 11-09-2016
Venue	CSE DSATM, Bangalore

Photos



Objectives of the Program/ Event:

- Introduction to Big Data and Hadoop
- Understanding the Big Data and Hadoop Structure
- Application Development

Details:

Date: **10-09-2016 and 11-09-2016**

Audience: CSE students

No. of Students: 70

Speaker: Chethan and Sandeep

Preferably Measurable outcomes:

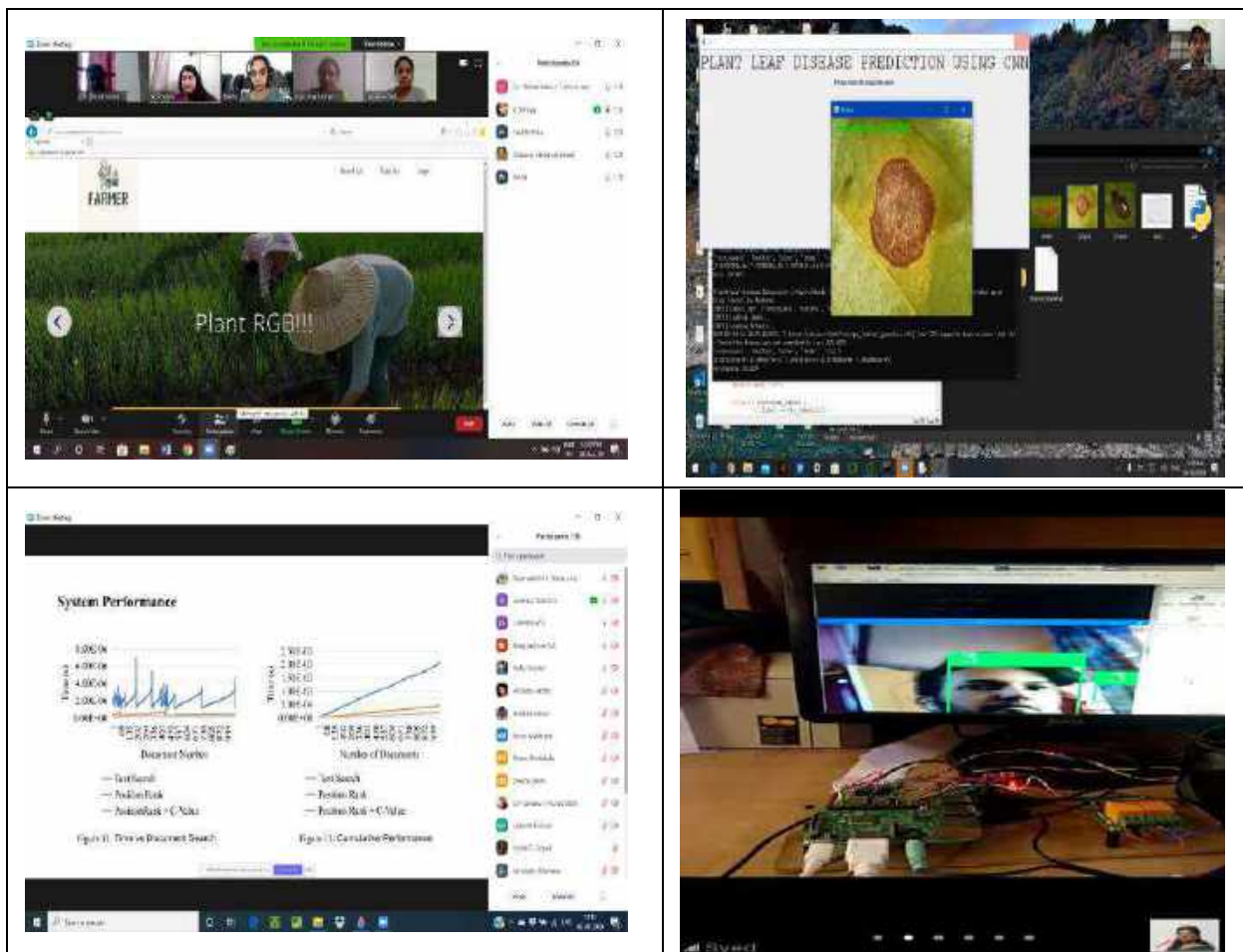
- Students understood the concept of Big Data and Hadoop
- They developed programs using Hadoop application
- They developed advanced application using machine learning techniques.



Event Name	INTER COLLEGE PROJECT COMPETITION
Theme	Enhance the knowledge of student and motivate them to compete in the global competitive engineering field.
Date	06/06/2020
Tools Used	As the impacts novel coronavirus (COVID-19) pandemic situation project competition conducted via Zoom Cloud Meeting online platform.

Objectives of the Program/ Event:

- To provide networking opportunity with industries that can help create breakthroughs.
- To relate the functioning of industry while working on project and understand how does.



Purpose: Technical project competition allows students to practice soft skills while reinforcing their engineering knowledge.

About the Topic: The goal of this competition is to prepare the future generation of engineers not only problem solvers but to be innovative leaders and responsible citizens.





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Department of Information Science



Resource person/ participants:

1. **Mrs. Keerthishree**
Lead Quality Engineer, Earnest, San Francisco , California
2. **Mr. Vinay Kundur**
Principal Electrical Design Engineer
Skyworks Solutions Inc, San Jose, California
3. **Mrs. Deepa Byadgi**
DevOps Engineer, Scientific Games
Sydney, Australia
4. **Mr. Sudheendra**
Director, Datalore Labs
Bangalore
5. **Ms. Murugiaya Ramashini**
Faculty of Integrated Technologies
Universiti Brunei Darussalam
Brunei Darussalam
6. **Mr. Thejas G R**
Software Engineer ,Accenture , Bangalore
7. **Mr. Vikas V Shastry**
Software Engineer ,Lam Research, Bangalore
8. **Ms. Ksheeraja P**
Programmer Analyst Trainee, Cognizant, Bangalore
9. **Mr. Rahul Kumar**
Implementation consultant
River Sand India Technologies India Private Limited

Number of participants: External Students Registration-33 Teams and
Internal Students Registration- 30 Teams

Vision: Furnishes to the students to provide Idealistic view of the desired outcomes to be produced for the business after successful project completion.

Identification and addressing the GAP: Adopting the current technologies and modern tools for designing and modelling engineering activities.

Measurable outcomes: Helps to promote intercultural and inter disciplinary dialogue and cooperation, through the involvement of students, teachers, and industry.



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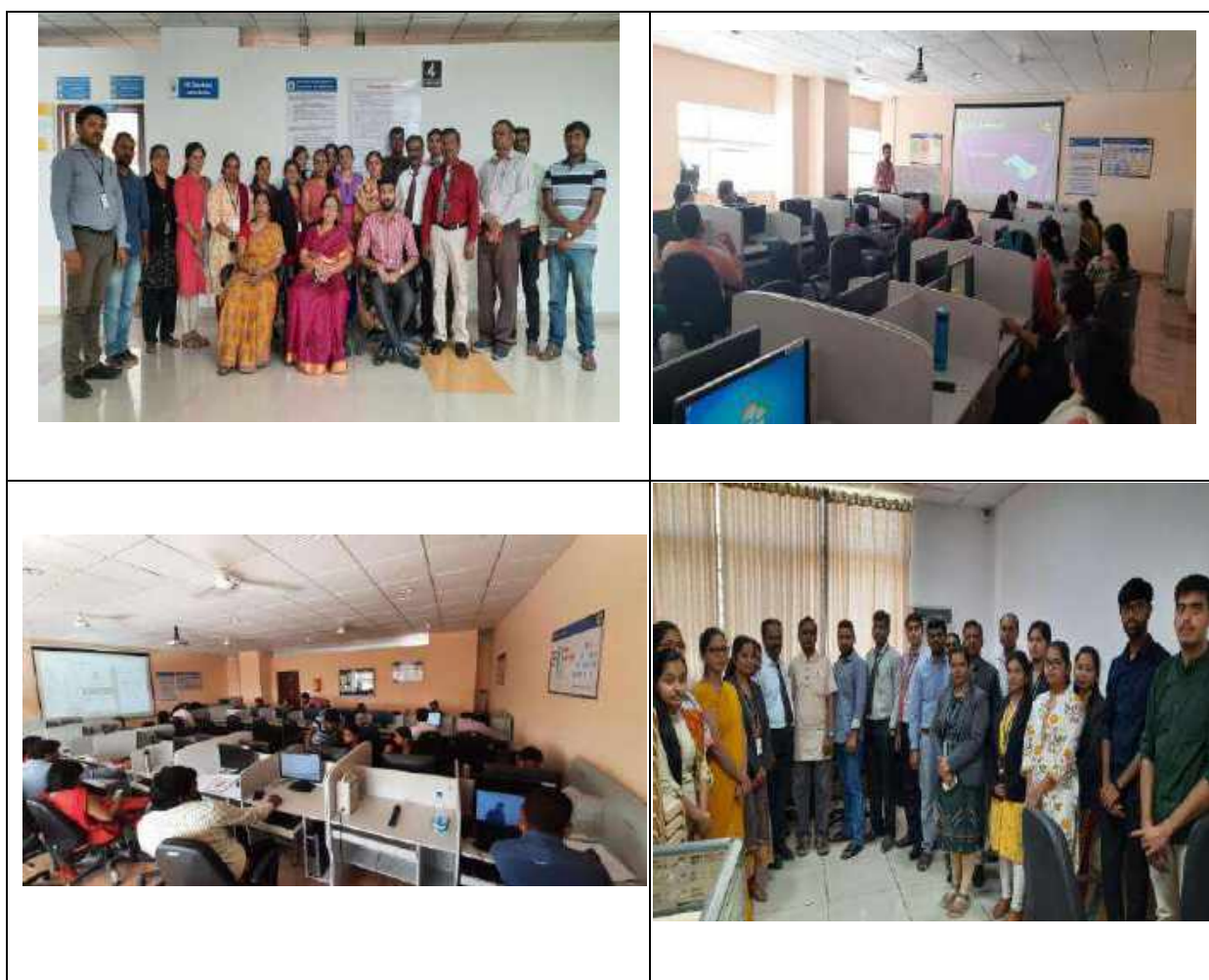
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Event Name	FDP ON ADVANCED BLOCKCHAIN TECHNOLOGY
Theme	Blockchain technology is suitable for decentralized and transactional sharing of data across a large network of untrusted participants.
Date	28.01.2020 to 01.02.2020
Venue	'A' Block , 403 lab

Objectives of the Program/ Event:

This course aims to provide conceptual understanding of the function of Blockchains as a method of securing distributed ledgers, how consensus on their contents is achieved, and the new applications that they enable.



Purpose: Blockchain technology and terms related to Blockchain such as Bitcoin and Crypto-currency. Then importance of cryptography and its types (Symmetric and Asymmetric). Also focused on privacy, security and digital signatures used in cryptography. The transaction concept with Paytm examples has been elaborated.

About the Topic: Topics Covered are:

- Data structure used in Blockchain Technology linked list concept and Block details through tools.



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- Also certain applications such as Voting, E-Governance, Digital Currencies, Land record, Medical records and usecases of Blockchain concepts discussed in detail.
- Nextly concentrated on Ethereum is an open source, public, blockchain-based distributed computing platform and operating system featuring smart contract (scripting) functionality.
- Provide an Insight on Public Vs Private Blockchain.

Resource person/ participants: Chief Guests :Dr. P. Sampath kumaran, Joint Director & Head, Materials Technology Division, Central Power Research Institute (CPRI), Bangalore.

Resource Person: Pranav, Innovation-driven Entrepreneurship, Trakinvest – Bangalore.

Number of participants: 30 participants from various institutions including faculty members and research scholars.

Vision: Blockchain have good potential to transform the logging and management of transactions in different application areas.

Identification and addressing the GAP: Emerging technology but yet to be implemented in India.

Measurable outcomes: This benefit significantly by improved operational efficiency, enhanced security, and transparency offered by blockchain implementation.



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Event Name	OUTCOME BASED EDUCATION AND NBA ACCREDITATION PROGRAMME
Theme	To create awareness among faculty members about Outcome Based Education System and NBA Accreditation process.
Date	23/12/2019 to 28/12/2019
Venue	'B' Block Seminar hall, 404 Room no.

Objectives of the Program/ Event:

- To create awareness among faculty members about Outcome Based Education System.
- To understand the implementation of OBE in NBA Process.
- To use various innovative teaching learning methods using pedagogical approaches.



Purpose: To give a complete outline of OBE and NBA Accreditation process from criteria 1 to criteria 10, and NBA Co-ordinators of the Accredited departments of DSATM had co-ordinated showing all the hardcopy of documents.



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About the Topic: Topics Covered are: The following are the topics covered during the programme,

- General discussion of SAR & Pre-qualifier
- Criteria –1 (Discussion about framing Vision, Mission, PEO's of the department and the Institution)
- Criteria –2 and Rubrics Framing
- Criteria –3 (Discussion about CO writing)
- Criteria –4 (Discussion about calculation of student Performance)
- Criteria –5(Discussion about the calculation of Student Faculty Ratio, Faculty cadre Proportion, Faculty Qualification and retention), Discussions about Teaching methodology and Research.
- Criteria –6 about Infrastructures
- Criteria –7(Discussion about identification of gap in the curriculum and action taken for the same). Discussion about analysis of proposed action of PO PSO attainment levels. And finally with Criteria –8, Criteria –9 & 10.

Resource person/ participants: Chief Guest:Manjunatha K, Professor and Regional Director, VTU Regional Center, Coordinator,VTU- PG Center, Mysuru.

Resource Person: Dr. Varaprasad G, Professor, Department of CSE, BMSCE, Bangalore, Dr. P Jayarekha, Professor, Department of ISE, BMSCE, Bangalore, Dr. H V Saikumar Retd. Professor, Department of EEE, NIE, Mysore BMSCE and Dr. Sumithra Devi K A, Program Coordinator and Dean Academics,

Number of participants: 50 participants from various institutions faculty members.

Vision: This Program addresses the need to enhance the knowledge about the Outcome Based Education (OBE) and its implications in teaching, learning process and evaluation.

Measurable outcomes:

- Participants of this programme had given progressive feedback and reached to their expectations.
- To use various innovative teaching learning methods using pedagogical approaches.



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Event Name	PROJECT SYMPOSIUM
Theme	Project Symposium is intended to showcase the type of projects that students conduct during their studies
Date	27-11-2019
Venue	'A' Block Seminar hall 4th floor

Objectives of the Program/ Event

1. To identify and understand various aspects of theme and problems.
2. To develop the ability to decision and judgment regarding a problem.



Purpose: Technical project symposium allows students to enhance their broad understandings of a topic or a problem.

About the Topic: The ability to successfully execute projects is what drives the realization of intended benefits.

Resource person/ participants: Prof. S.K. Muttagi, M.Tech., (Ph.D), Scientific Officer, Vision Group of Science and Technology, Department of Science and Technology, Information Technology & Bio-Technology, Government of Karnataka, Bangalore.



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Evaluators:

1. Goutham N, Director, Product Engineering, Ethnus Technologies Pvt Ltd, Bangalore.
2. Sudheendra, Director, Datalore labs Pvt Ltd, Bangalore.

Number of participants: 8th semester, 113 students

Vision: It provides a national platform for students to showcase their talents in hardware, software and paper presentation competitions, displaying cutting edge technology and research.

Identification and addressing the GAP: Adopting the current technologies and modern tools for designing and modelling engineering activities.

Measurable outcomes: Symposiums enhance the technical knowledge of students and provide them a platform to exhibit their talents. It helps students to identify and understand the various aspects of their domain which provides opportunities for them to develop their versatility and charisma in the divergent facet of their growth.



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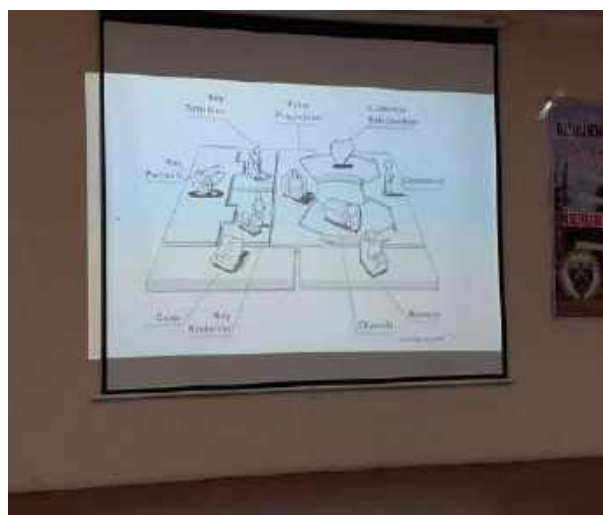
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Department of Information Science

Event Name	Ideation Workshop (Hands-On Training To Generate And Validate Business Ideas)
Theme	The event focused on developing ideation and innovation skills.
Date	04/10/2019
Venue	4 th floor Seminar Hall 'B' Block



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Objectives of the Program/ Event: Ideation workshop is a process for developing and scaling ideas. The program consisted of an ideas framework that helped participants, first get an idea, second validate them, third develop them and the last stage, and test them in a real world environment.

Purpose: To make the students to contemplate as entrepreneurs.

About the topic: This workshop was designed to train the participants on the ideas, framework so as to harness their innovation skills and create solutions that positively impact the target community with the use of technology.

Resource person/ participants: Mr. Praveen H J, Founder & CEO of Arcis Business Solutions/all the staff members and 5th semester Students of department of ISE.

Vision: Understand social challenges and analyse the context

Address of the GAP: To help students to actively take part in the team work, enhance their communication skills and creative ideas to develop their business model.

Measurable outcomes:

- Identify business opportunities where other people see problems.
- Screen new technologies and quickly understand how they can be applied to solve a problem.
- Use creative tools and techniques to generate great ideas.
- Build new innovative business models.
- Make rapid prototypes and use visual communication to create a great presentation of the idea.



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Department of Information Science

Event Name	ROBO CLUB
Theme	To develop the students to participate in different technical competitions.
Date	20/08/2019
Venue	4 th floor Seminar Hall 'A' Block



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Objectives of the Program/ Event:

Robo Club stands as an epitome of marvel. It not only acts as a platform for zealous students to hone their skills in the field of electrical, electronics, computer and mechanical, but also prepares them for various national level competitions by encouraging them to participate.

Purpose: To make the students to participate in different technical competitions.

About the topic: The strength of the club lies in student members as they highly repute the club. Young engineers have top notch robotic clubs where they can design and build virtually anything they can think of. Through this program, our students get to learn and build the current trending things and various new topics related to robotics and present them in the technical competitions. We are equipped with adequate current trending hardware and software kits.

Resource person/ participants: Mr. Suresh Satyanarayana, Intel technologies/all the staff members and 5th semester Students of department of ISE.

Vision: Furnishes to the students in the need of electronic enthusiasts in creating an environment which is driven by innovation and implementation.

Address of the GAP: Adopting the current technologies and modern tools for designing and modelling engineering activities.

Measurable outcomes: Explanation and demonstrations of individual projects were carried out by the students of the club. All the working models of the project were displayed and the inspection was done by the chief guest.



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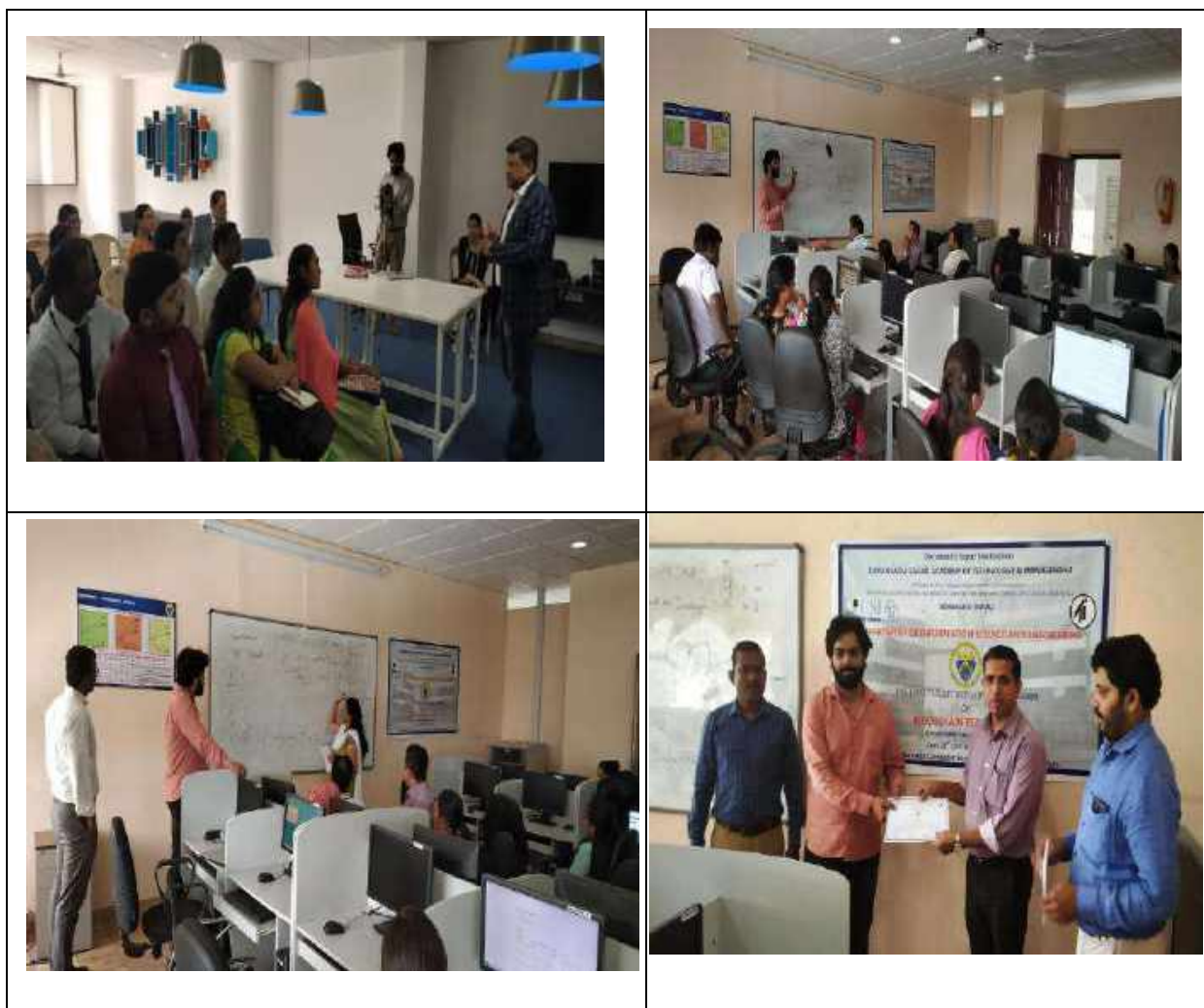
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Event Name	FDP ON BLOCKCHAIN TECHNOLOGY
Theme	Blockchain technology is suitable for decentralized and transactional sharing of data across a large network of untrusted participants.
Date	28.06.2019 to 02.07.2019
Venue	'A' Block , 403 lab

Objectives of the Program/ Event:

This course aims to provide conceptual understanding of the function of Blockchains as a method of securing distributed ledgers, how consensus on their contents is achieved, and the new applications that they enable.



Purpose: Blockchain is an emerging platform for developing decentralized applications and data storage, over and beyond its role as a platform for cryptocurrencies. The basic tenet of this platform is that it allows one to create a distributed and replicated ledger of events, transactions, and data generated through various IT processes with strong cryptographic guarantees of tamper resistance, immutability, and verifiability.

About the Topic: Topics Covered are:



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- Highlighted how the investment is made in the market enlightened the how safely managerial skills are adapted to do investment.
- Brief introduction on blockchain technology.
- Ethereum blockchain platform and how it is differentiated from bitcoin.
- ICO's- Brief Introduction
- Introduction to Deployment of smart contracts
- DAI coin and Makerdao, Private versus Public blockchain, HyperLedger Introduction
- Initial Exchange Offering, Other blockchain technology and innovations

Resource person/ participants: Mr.Arjun Chakraborti, President & Country Head India, Trakinvest.

Mr. Ankith Tiwari, Director of Engineering, Trakinvest.

Number of participants: 30 participants from various institutions including faculty members and research scholars.

Vision: Blockchain have good potential to transform the logging and management of transactions in different application areas.

Identification and addressing the GAP: Emerging technology but yet to be implemented in India.

Measurable outcomes:

- Understand the concepts of cryptocurrencies and blockchain technology.
- Able to roughly asses how blockchain technology could change their business model, what would be the benefits and what challenges they would have to tackle.



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Event Name	INTER COLLEGE PROJECT COMPETITION
Theme	Enhance the knowledge of student and motivate them to compete in the global competitive engineering field.
Date	08/05/2019
Tools Used:	Zoom Cloud Meetings

Objectives of the Program/ Event

- To stimulate students and researcher to work on exciting project
- To understand best practices and demonstration of diverse project, new innovations, etc.
- To provide networking opportunity with industries that can help create breakthroughs.
- To relate the functioning of industry while working on project and understand how does.



Purpose: Technical project competition allows students to practice soft skills while reinforcing their engineering knowledge.



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About the Topic: The project competition provides an excellent opportunity to the students to showcase their talent, research orientation and untapped potential. The goal of this competition is to prepare the future generation of engineers not only problem solvers but to be innovative leaders and responsible citizens.

Resource person/ participants: Mr. Prashanth Kumar, Chief Executive Director, Eysa Engineering Pvt. limited Bangalore, Skill Development & Entrepreneurship Development Committee, KASSIA.

Smt. Rekha Gopal, Co-Chairperson and Member Skill Development & Entrepreneurship Development Committee, KASSIA.

8th Semester Students.

Vision: Furnishes to the students to provide Idealistic view of the desired outcomes to be produced for the business after successful project completion.

Identification and addressing the GAP: Adopting the current technologies and modern tools for designing and modelling engineering activities.

Measurable outcomes: helps to promote intercultural and inter disciplinary dialogue and cooperation, through the involvement of students, teachers, and industry.



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Department of Information Science

Event Name	HANDS-ON WORKSHOP ON OBJECT ORIENTED CONCEPTS USING JAVA
Theme	Implement object-oriented designs with Java
Date	11 th April 2019 to 13 th April 2019
Venue	A block, 308 Room no.

Objectives of the Program/ Event

1. To learn how to implement object-oriented designs with Java
2. Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.
3. Understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.



Purpose: Purpose was to give hands-on experience for students and to improve their confidence level in coding java programs.

About the Topic: The workshop helped the students to write java programs using concepts of Inheritance, Polymorphism, Multi-Threading, Exception Handling and Event Handling.

Resource person/ participants:

Mr. Aravind, Ethnus Consultancy Pvt Ltd,

4th Semester Students, Department of Information Science.

Vision: To learn features and coding skills of Object oriented language.

Identification and addressing the GAP: Some of the vital concepts of C++ have simpler object model.

Measurable outcomes: The trainers helped the students to understand the concepts and code the programs. The session was made enthusiastic by adding some multiple choice questions which helps them for cracking interview questions in their placements.





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Department of Information Science

Event Name	PROJECT SYMPOSIUM
Theme	The ability to successfully execute projects is what drives the realization of intended benefits.
Date	23-02-2019
Venue	A block, 308 Room no.

Objectives of the Program/ Event

- To identify and understand various aspects of theme and problems.
- To develop the ability to decision and judgment regarding a problem.
- To develop the values and feelings regarding the problem.



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Purpose: Technical project symposium allows students to enhance their broad understandings of a topic or a problem.

About the Topic: The project symposium provides an excellent opportunity to the students to showcase their research orientation towards their desired domain.

Resource person/ participants: Mr. Karthik T M, Software Engineer, Ness Digital Engineering, Bangalore and Ms. Aruna S V, Data Analyst, Tesco India Pvt Ltd, Bangalore.
8th Semester Students dept of Information Science.

Vision: It provides a national platform for students to showcase their talents in hardware, software and paper presentation competitions, displaying cutting edge technology and research.

Identification and addressing the GAP: Adopting the current technologies and modern tools for designing and modelling engineering activities.

Measurable outcomes: Symposiums enhance the technical knowledge of students and provide them a platform to exhibit their talents. It helps students to identify and understand the various aspects of their domain which provides opportunities for them to develop their versatility and charisma in the divergent facet of their growth.



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Department of Information Science

Event Name	BUSINESS MODEL PRESENTATION DAY
Theme	To Explore Business start-up Ideas in students
Date	02/11/2018
Venue	A block, 308 Room no.



Objectives of the Program/ Event: Is to make students present the Business Ideas and explore various opportunities and precautions to be taken while starting a Business.

Purpose: To Explore Business start-up Ideas in students

About the Topic: Business model is used for a broad range of informal or formal descriptions to represent core aspects of a business, including purpose, business process, target customers, offerings, strategies, infrastructure, organizational structures, sourcing, trading practices, and operational processes and policies including culture.



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Resource person/ participants:

1. Mrs. Preksha Mohan(Co-founder of OMSA LABEL, Fashion & Travel Blogger)
2. Ms. Aruna(Franchise owner at Texture Touch)
3. Mr. AkshayMakam(Software tester at NTT data, Alumni Entrepreneur at Photo Factory)
4. Mr. Harish M (Alumni Entrepreneur)

5th Semester Students dept. of Information Science

Vision: Understand Business challenges and Develop Appropriate model to overcome it

Identification and addressing the GAP:To enable students to present their Business Ideas by actively taking part in the group and enhance their communication skills.

Measurable outcomes:

- Will understand different types of business like Direct sales, franchising, advertising-based, and brick-and-mortar stores
- Students will be able to participate in various Business Model competition
- Will able to start a business with less investment or no investment
- Will get a clarity about the threats and opportunities in start-up ideas
- Will get a clear idea of how to avoid loss in investments
- Come to know what technology may be appropriate for implementing Business Ideas
- Build new innovative business models.



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Event Name	FDP ON BIG DATA ANALYTICS USING HADOOP
Theme	Equips with essential skills to use Hadoop for Big Data analysis.
Date	16th July 2018 to 20th July 2018
Venue	'A' Block 305, ML lab

Objectives of the Program/ Event: Big data analytics helps in many ways, including examining large amount of data to find an appropriate information, identifying hidden patterns and unknown correlations, useful for competitive advantage, making better business decisions – strategic and operational.



Purpose: Big Data Architecture addresses data formats, transformation, real-time, batch and machine learning processing, scalability, fault tolerance, security and privacy issues.

About the Topic:

- Introduction about Big data, Handling of Big data in IT and the basic architecture of Big data.
- research challenges in Big data and concept of MapReduce with real time examples.
- Application of Big data in Industry about YARN architecture and How to write Map-Reduce code.
- Business Intelligence in Big data analytics and based on Data mining, ETL and Data cube in Data mining concept.
- Data Warehousing and Data mining fundamental concepts.



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- Open source tools to develop distributed file system, Aginity, Nettle tools and focused on implementing data mining concepts on that tool
- Learnt installation of Hadoop and all the participants works with the case study in Hadoop.
- Hands on session on recent tools used in IT industries like Apache Flume, Apache Ambari and Apache Pig software tools were done practically.

Resource person/ participants: Chief guest :

Chief guest: Dr. P P Nageswara Rao, Director, IGBP/NESAC-ISRO, Mr. Madeva Nagaral, Deputy Manager, Aircraft research and Design HAL Bangalore, Mr. Milind Tavra, Manager, Technical and Sales, Drivers and control Division, Bosch Rexroth, Bangalore. Mr. Kishore M , Managing Director, Digital Shark Technology, Bangalore.

Resource person Dr. Sanjay Chitnis, Director Innovations labs, Dayananda Sagar University. Mr. Niranjan Kamath, Head Big Data Analytics Group, HP, Bangalore. Dr. Rajesh T.M, Professor, Dept. CS&E, Dayananda Sagar University, Dr. B Venkateswarlu, Professor, Dept. CS&E, Dayananda Sagar University, Mr. Vithal Sampgar, Module Lead Developer, Impetus, Bangalore.

Number of participants: 30 participants from various institutions including faculty members and research scholars.

Vision: Helps faculties to understand teaching methodologies in Big Data Analytics Using Hadoop

Identification and addressing the GAP: various Data mining algorithms to be covered as a prerequisite to big data and analytics.

Measurable outcomes: Big data analytics examines large amounts of data to uncover hidden patterns, correlations and other insights.



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Department of Information Science

Event Name	Workshop on Advanced Java and J2EE Applications
Theme	Impart participants with the knowledge on design and development of enterprise applications.
Date	April 2nd and 3rd 2018
Venue	'A' Block Seminar hall 4th floor

Objectives of the Program/ Event

1. To learn how to implement object-oriented designs with Java
2. Understanding advanced Java concepts Event handling, Synchronization, Framework, J2EE concepts.





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Department of Information Science

Purpose: Purpose was to give hands-on experience for students and to improve their confidence level in coding java programs.

About the Topic: Introduction on the Object Oriented Concepts and continued with advanced Java concepts. In the second day session focused on J2EE concepts such as java server pages (JSP), JDBC connectivity and innovative mini projects.

Resource person/ participants:

Mr. Mr. Shaabaz Sha

Tech Lead, eMath Technologies Pvt Ltd

Bangalore

Number of participants: 4th semester, 115 students

Vision: To learn features and coding skills of Object oriented language.

Identification and addressing the GAP: Some of the vital concepts of C++ have simpler object model.

Measurable outcomes:

- Exposing importance of Java and J2EE in industry and for other programming languages.
- The session was made enthusiastic by adding some multiple choice questions which helps them for cracking interview questions in their placements.



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Department of Information Science

Event Name	4 DAYS TECHNICAL SESSION ON DEVOPS
Theme	DevOps helps to communicate and collaborate between development and IT operations.
Date	24-2-2018, 24-3-2018, 19-4-2018 and 20-4-2018
Venue	'A' Block, 305

Objectives of the Program/ Event: Understand and analyze the different methodologies like agile, waterfall, iterative, devops, etc. Comparison of these methodologies, their pros and cons and why there is a need for Devops was focused.



Purpose: It optimizes the flow of value from idea to end user. Also enables faster release and deployment cycles by taking advantage of agile development methodologies.



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Department of Information Science

About the Topic:

- They were also explained various cloud technologies, types of cloud and why cloud is necessary.
- The introduction to different method such as Waterfall model, iterative method, agile method etc was given.
- The introduction to the cloud was also given, such as types of cloud computing: IaaS, SaaS and PaaS.
- The basics of networking, servers, etc. were discussed.
- Students were taught how a machine could be launched in the aws and how they could connect and execute commands.
- Different components of cloud like, EC2 machines instances, s3 machines, storage, networks config, etc was introduced.

Resource person/ participants: Mr. Arjun Patel Associate Consultant at Siemens

Number of participants: 6th semester, 96 students

Vision: Helps to understand Devops methodology, various cloud services and project management tools to students.

Identification and addressing the GAP: DevOps cycle helps to differentiate between development and deployment.

Measurable outcomes: Students were thought how to create images and use the image to launch it via teraform which can be used as an automation tool used over different clouds such as azure, asw, etc. Image creation was automated using this tool called packer and tag a name to the instances.



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Department of Information Science

Event Name	WORKSHOP ON “EMBEDDED SYSTEMS USING ARM7
Theme	Practical aspects of ARM7 controller which includes internal architecture with advanced embedded system.
Date	March 13 th 2017 to 17 th March 2017
Venue	‘A’ Block 404, ADE/MP lab

Objectives of the Program/ Event:

- To gain an in-depth knowledge on what is happening at compile, link and runtime on a target processor
- To introduce good quality and style for real-time embedded programming



Purpose: ARM7 is used for quick and efficient application development which consisting of low power consumption and low cost.

About the Topic: With a brief introduction on embedded system and the application further continued ARM7. Few lab programs on the dias were solved and exposing importance of Embedded systems in industry and benefits of ARM7 was discussed.

Resource person/ participants: Mr. Sanjay Bhagat Director of ASSISI E-technologies & partnered with Jyothi embedded labs, Bangalore

Number of participants: 4th semester, 96 students

Vision: Helps students to understand ARM hardware architecture and comparing the advantages of ARM with microcontrollers.

Identification and addressing the GAP: Hardware is limited for specific task.

Measurable outcomes: This course aims to make students to get the skills of programming the microcontroller, interfacing of external peripherals to microcontroller and troubleshooting of microcontroller based embedded electronic systems.



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Department of Electrical & Electronics Engineering

Event Name	Workshop on “Electric vehicles and internet of vehicles”
Theme	Workshop
Date	24-10-2019 to 26-10-2019
Venue	A block seminar hall

Objectives of the Program/ Event:

- The major objectives of this is to connect IOT with electric vehicles.
- The team also focussed on delivering the basics of electric vehicles.



Details of the Event:

A seminar was organized by **Electrical and Electronics Engineering Dept., DSATM** on 24th to 26th October 2019 on “Electric vehicles and internet of vehicles”.

- The workshop was delivered by industry experts from **Geeks lab Technologies, Bangalore.**
- The workshop was attended by the students of 5th and 7th sem students.
- The subject expert produced ppt presentation and video clippings on the said areas of the latest technological frontiers

Preferably Measurable outcomes:

Students will able to

- Understand and apply the IOT concept into electric vehicles.



Department of Electrical & Electronics Engineering

Event Name	Project Symposium
Theme	Seminar
Date	27 th November 2019
Venue	311 B block,

Objectives of the Program/ Event

- Demonstrate a technical knowledge of their selected project topic.
- Undertake problem identification, formulation and solution.
- Design engineering solutions to complex problems utilising a systems approach.
- Demonstrate the knowledge, skills and attitudes of a professional engineer.



Details about the event:

Project Symposium for final year students, conducted in Classroom no. 311 B block, evaluated by Alumni **Pradeep** working as Software Engineer at Accenture, Bangalore.

Preferably Measurable outcomes:

Students will able to

- Present the project and be able to defend it.
- Habituated to critical thinking and use problem solving skills
- Communicate effectively and to present ideas clearly and coherently in both the written and oral forms.
- Work in a team to achieve common goal.
- Learn on their own, reflect on their learning and take appropriate actions to improve it.





Department of Electrical & Electronics Engineering

Theme	Seminar
Date	23 th February 2019
Venue	Department class room 311 B block, DSATM

Objectives of the Program/ Event

- Demonstrate a technical knowledge of their selected project topic.
- Undertake problem identification, formulation and solution.
- Design engineering solutions to complex problems utilising a systems approach.
- Demonstrate the knowledge, skills and attitudes of a professional engineer.



Details about the event:

Project Symposium for final year students, conducted in Classroom no. 311 B block, evaluated by Alumni **Chethan Sand KarthikChikmath**.

Preferably Measurable outcomes:

Students will able to

- Present the project and be able to defend it.
- Habituated to critical thinking and use problem solving skills
- Communicate effectively and to present ideas clearly and coherently in both the written and oral forms.
- Work in a team to achieve common goal.
- Learn on their own, reflect on their learning and take appropriate actions to improve it.





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Department of Electrical & Electronics Engineering

Event Name	5days FDP on “Graphical Programming, Data acquisition and Hardware Programming using NI LabVIEW”
Theme	FDP
Date	28 th June 2019 to 2 nd July 2019
Venue	NI Laboratory

Objectives of the Program/ Event

- To impart knowledge of Graphical Programming, Data acquisition and Hardware Programming.
- To create awareness of the technicalities through hardware implementations and hands-on session.



Details of the Event.

5days FDP Organised by EC & EEE Department on “Graphical Programming, Data acquisition and Hardware Programming using NI LabVIEW”, June 28th 2019 to July 2nd 2019.

Preferably Measurable outcomes:

- Understand the basic concepts of Graphical programming, Data acquisition and Hardware Programming.
- Hands on Session on myDAQ and myRIO.



Department of Electrical & Electronics Engineering

Event Name	Project Exhibition
Theme	Exhibition
Date	10th May 2019
Venue	Project lab, 4 th Floor, Block, DSATM

Objectives of the Program/ Event

- To provide the platform and unleash the potential by showcasing their innovative projects developed as Industry Defined Problem or User Defined Problem.
- Provide an opportunity for the students to demonstrate their learning experience.

Details about the event:

- Project Exhibition by 8th sem Chaired by Mr. J P Gupta, Director Micro & SmartGrid Solutions, GE India Ltd, Bangalore on 10th May 2019.



Preferably Measurable outcomes:

Students will be able to

- To show their project at Industry experts
- Work in a team to achieve common goal.
- Learn on their own, reflect on their learning and take appropriate actions to improve it.





Department of Electrical & Electronics Engineering

Event Name	PES Day Celebrations
Theme	Technical Quiz, Technical Debate and Mini Project
Date	2nd May 2019
Venue	Department Class Room

Objectives of the Program/ Event

- Main objective of this event is to enhance/encourage/enrich the student's talent and boosts the level of confidence by conducting technical quiz, debate and mini project.
- Retention activity/promote the professional society for juniors(lower semester students)

Details about the event:

- As a part of IEEE PES Student Chapter "PES Day Celebrations", Department celebrated the PES Day Celebration.



- On PES Day Celebration conducted many events like Technical Quiz, Technical Debate and Mini Project Exhibition for 4th, 6th and 8th sem students on 2nd May 2019
- PES Day Celebration presided by Dr. B. R. Lakshmi Kantha, Principal, DSATM & Dr. Sumithra Devi, Dean Academics DSATM

Preferably Measurable outcomes:

Students will able to

- Understand the IEEE PES Student Chapter
- Enrich their knowledge by participating in events
- Get platform to implement innovative thinking.





Department of Electrical & Electronics Engineering

Event Name	3 day Workshop on Bosch Rexroth PLC, Pneumatics and hydraulics
Theme	Workshop
Date	12-04-2019 to 14-04 2019
Venue	Bosch Rexroth Lab, DayanandaSagar University, Bangalore.

Objectives of the Program/ Event

- Workshop on Bosch Rexroth PLC, Pneumatics and hydraulics
- To impart knowledge of industry 4.0 and automation in the said field.
- To create awareness of the technicalities through hardware implementations.



Details about the event:

- With Bosch Rexroth's unique technical knowledge & expertise in AutomationTechnologies, IEEE PES student Branch chapter of DSATM conducted a workshop on Bosch Rexroth PLC, Pneumatics and hydraulics
- Hydraulic and pneumatic drives are widely used to give linear or rotary outputs in the robots. Therefore, these systems use devices such as linear pistons and rotary vane actuators to accomplish the motion of the joint.
- Pneumatic drive is normally used for smaller robots used in simple material transfer applications. Electric drive and hydraulic drives are used on sophisticated industrial robots.
- The development of low cost computer has revolutionized the in the field of programmable logic controller (PLC). These are gaining popularity in many applications, specifically in manufacturing controls, etc.





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Department of Electrical & Electronics Engineering

Preferably Measurable outcomes:

Students will able to

- Understand the basic concepts of PLC, Pneumatics and hydraulics.
- Develop programs on PLC Software.
- Design Pneumatics and hydraulics applications.



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Department of Electrical & Electronics Engineering

Event Name	Inauguration of IEEE Power and Energy Society Student Branch Chapter
Theme	Inauguration
Date	30th March 2019
Venue	Seminar Hall, A block 4 th floor. DSATM

Objectives of the Program/ Event

- Inauguration of IEEE PES Student chapter
- The Power & Energy Society (PES) provides the world's largest forum for sharing the latest in technological developments in the electric power industry, for developing standards that guide the development and construction of equipment and systems, and for educating members of the industry and the general public.
- The scope of the Society embraces research, development, planning, design, construction, maintenance, installation and operation of equipment, structures, materials and power systems for the safe, sustainable, economic and reliable conversion, generation, transmission, distribution, storage and usage of electric energy, including its measurement and control.



Details about the event:

- Main purpose of this event is Inauguration and opening of IEEE PES Student chapter
- Resource person are Dr. K V Raju, Chair, IEEE PES Bangalore Chapter, RajaShekar S, Chair Elect IEEE PES Bangalore Chapter, Dr. HariramSateesh, Vice Chair, IEEE PES Bangalore Chapter, AbhishekAppaji Membership Development Chair & YP, IEEE PES Bangalore Chapter, Asst Professor, Dept of Medical Electronics, BMSCE,.
- Members of the Power & Energy Society are leaders in this field and employers — derive substantial benefits from involvement with this unique and outstanding association.



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Department of Electrical & Electronics Engineering

Preferably Measurable outcomes:

- Interact with industry professionals for recent technology awareness and career guidance.
- Enriching and empowering the students by organising industrial visits, workshops, conferences.
- Inducing and inculcating leadership qualities.



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Department of Electrical & Electronics Engineering

Event Name	One day Workshop on Power World Software for 8th semester Students
Theme	Workshop
Date	19th March 2019
Venue	Room no 311, B Block, DSATM

Objectives of the Program/ Event

- To interact with PowerWorld Simulator through text-based interfaces and graphic one-line diagrams.
- To build and modify power system models and one-line diagrams.
- To create rich color contours and enhance the appearance and dynamic behavior of one-line diagrams.



Details about the event:

One day Workshop on Power World Software by Prof. Kiran, Asst Prof, Dept of EEE on 19th March 2019 for 8th semester Students.

Measurable outcomes:

Participants will learn the basics of power systems modeling and analysis tools in PowerWorld Simulator, including:

- voltage control;
- generation control and area interchange;
- contingency analysis;
- linear sensitivity analysis;
- Fault analysis and system equivalents.





Department of Electrical & Electronics Engineering

Event Name	3 day Workshop REVIT MEP
Theme	Workshop
Date	08-03-2019, 09-03-2019 & 10-03-2019
Venue	CADD Lab.

Objectives of the Program/ Event

- Revit Building Information Modelling software helps engineers, designers and contractors across the mechanical, electrical and plumbing (MEP) disciplines model to a high level of detail and co-ordinate with building project contributors.
- Revit is a software product and comprehensive workflow from Autodesk that helps architects, designers, builders, and construction professionals work together.
- The software is a sophisticated way to create models of real-world buildings and structures. It is primarily used in BIM, or building information modelling.



Details about the event:

- Main purpose of this workshop is it's an advance tool for Electrical Engineer in design of electrical models.
- Resource person are from CADD Centre, Jayanagar, Bangalore.
- In academics students are going to study AutoCAD tools. If the students know both Auto CAD and REVIT MEP software tools, they students will get more benefits.

Preferably Measurable outcomes:

Students will able to

- Understand the basics of designing and developing using REVIT MEP Tool.
- Categorise the application of AutoCAD and REVIT MEP





Department of Electrical & Electronics Engineering

Event Name	FIVE Day FACULTY DEVELOPMENT PROGRAMME on BOSCH REXROTH PLC, SERVODRIVES, SENSORS AND SCADA
Theme	Faculty Development Programme
Date	16 th to 20 th January 2019
Venue	Bosch Rexroth Lab, DayanandaSagar University, Bangalore.

Objectives of the Program/ Event

- Faculty Development Programme on Bosch Rexroth PLC, Servodrives, Sensors and SCADA
- To impart knowledge of industry 4.0 and automation in the said field.
- To create awareness of the technicalities through hardware implementations.



Details about the event:

DAY 1: The PLC is an industrial computer. It is capable of storing instructions to implement control functions such as sequencing, timing, counting, arithmetic, data manipulation and communication.

- The PLC controls industrial machines and processes. In different areas of the industry PLC are being applied.

DAY 2: PLC PROGRAMMING (Hands-on)

DAY 3: DRIVE Training (Hands-on)



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Department of Electrical & Electronics Engineering

DAY 4: INDUSTRY 4.0

DAY 5: The Internet of Things (IoT)

Preferably Measurable outcomes:

- Understand the basic concepts and programming of PLC,
- Hands on Session on Servo drive, Sensors and SCADA



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Department of Electrical & Electronics Engineering

Event Name	One day workshop on Modelling of Electrical & Electronics Circuits using Multi-Sim and Live Wire Software by Prof. Kiran R and Prof. Ramya S Rajan for 3rdsem Students on 5thNovember 2018
Theme	Workshop
Date	5 th November 2018
Venue	Room no 311, B Block, DSATM& Computer Lab

Objectives of the Program/ Event

- To train & simulate various electric & electronic circuits using Multi-Sim& Livewire.
- To recognize current and possible future role of software in modelling of various electrical/electronic circuits systems
- Understand and apply circuit theorems and concepts in engineering applications.
- To provide adequate inputs on a variety of issues in modelling of various electrical/electronic circuits systems



Details about the event:

One day workshop on Modelling of Electrical & Electronics Circuits using Multi-Sim and Live Wire Software by Prof. Kiran R and Prof. Ramya S Rajan for 3rdsem Students on 5thNovember 2018

Measurable outcomes:

Students will be able to model, simulate and analyze electrical/electronic circuits systems using Multi-Sim& Livewire.



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Department of Electrical & Electronics Engineering

Event Name	Project Exhibition
Theme	Exhibition
Date	3 rd May 2018
Venue	Project lab, 4 th Floor, Block, DSATM

Objectives of the Program/ Event

- To provide the platform and unleash the potential by showcasing their innovative projects developed as Industry Defined Problem or User Defined Problem.
- Provide an opportunity for the students to demonstrate their learning experience.

Details about the event:

- Project Exhibition by 8th sem Chaired by Dr Maya K N, Coordinator-Industryacademia InteractionPRDC, Bangalore on 3rd May 2018.



Preferably Measurable outcomes:

Students will able to

- To show their project at Industry experts
- Work in a team to achieve common goal.
- Learn on their own, reflect on their learning and take appropriate actions to improve it.





Department of Electrical & Electronics Engineering

Event Name	Two days workshop on Internet of Things (IOT)-DATA-ACQUIRE-ANALYSE-PRESENT
Theme	Workshop
Date	26-3-2018 & 27-3-2018
Venue	Seminar hall, B Block, DSATM

Objectives of the Program/ Event

- To learn different types of sensors
- To design the problem solution as per the requirement analysis
- To study the basic concepts of programming/sensors/ emulator.
- To design and implement the mini project intended solution for project based learning.
- To improve the team building, communication and management skills of the students.



Details about the event:

Two days workshop on Internet of Things (IOT)-DATA-ACQUIRE-ANALYSE-PRESENT on 26-3-2018 & 27-3-2018 by Brijesh C A, CEO – CO-Founder, JUST ROBOTICS.





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Department of Electrical & Electronics Engineering

Measurable outcomes:

- To identify the requirements for the real world problems.
- Study and enhance software/ hardware skills.
- Demonstrate and build the project successfully by hardware/sensor requirements, coding, emulating and testing.
- To report and present the findings of the study conducted in the preferred domain.
- Demonstrate an ability to work in teams and manage the conduct of the research study.



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Department of Electrical & Electronics Engineering

Event Name	Inauguration of Institution of Engineers India (IEI) and Seminar Talk on “Role of engineers in present society”
Theme	Inauguration of IEI and Seminar
Date	17-01-2018
Venue	Seminar Hall A block, DSATM

Objectives of the Program/ Event

- The major objective of this is to get the benefit for the students for their career from being professional membership.
- To educate the students about Role of engineers in present society



Details about the event:

Inauguration of Institution of Engineers India(IEI) and seminar was organized by Electrical and Electronics Engineering Dept., DSATM on 17th January 2018 on “Role of engineers in present society”.

- The talk was delivered by an industry expert **Dr. Chikkanna,Professor, Aerospacepropulsion technology center ofVTU, Bengaluru center, StateChairman of IEI.**
- The talk was attended by the students of 3rd,5th and 7th semester Students.
- The subject expert produced ppt presentation on the said areas.

Preferably Measurable outcomes:

Students will able to

- Understand benefits and opportunities of being professional membership.
- Understand role of engineers in society.





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Department of Electrical & Electronics Engineering

Event Name	Four Day Faculty Development Programme on Latest Advancements In Power Engineering Sectors
Theme	Faculty Development Programme
Date	8 th to 11th January 2018
Venue	Seminar Hall-2, DSATM & Hot Line Training Centre, Somanahalli.

Objectives of the Program/ Event

- Faculty Development Programme on Latest Advancements in Power Engineering Sectors
- To impart knowledge of Live Line Maintenance of transmission Lines upto 400KV and Numerical Relays.
- To create awareness of the technicalities through site visit.





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Department of Electrical & Electronics Engineering

Details about the event:

Day 1: Numerical Relays by Prof. Dr. U. J. Shenoy, Professor & Principal Research Scientist, Indian Institute of Science (IISc), Bangalore.

Day 2: Recent developments in power systems by Dr. R. Ramaswamy, Ex.Consultant Power Apps, CPRI, Honeywell, Schneider Electric etc., Presently Professor, BNMIT.

Day 3: Industrial Visit to NPTI, HLT Centre for Real Time Session

Day 4: Live line Maintenance of transmission Lines upto 400KV using BHM, by Mr. S. Prakash, Assistant Director, NPTI, Bangalore

Preferably Measurable outcomes:

- Able to identify the components used to Live Line maintenance ,
- Able to understand in latest advancement in Numerical relays and power Engineering Sector.



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Department of Electrical and Electronics Engineering

Event Name	2days Workshop on Design and Fabrication of Quad copter
Theme	Workshop
Date	6 th and 7 th April 2017
Venue	4 th Floor, B Block, DSATM

Objectives of the Program/ Event.

- The program was designed to enable the students to comprehend the industrial implications
- The program focused on discussing more real-time applications
- Workshop was handled by experts with many years of experience in UAV Research and development



Details about the event:

2 days Workshop on Design and Fabrication of Quad copter by Avian Aerospace, Ramamurthy Nagar, Bengaluru,

Measurable outcomes:

- Students are able to understand basic concepts of Aeronautics and Aeromodelling.
- Students are able to write Control Algorithm of Quad copter, Programming, debugging.
- Students are able to Fabricate Quad copter



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Department of Electrical and Electronics Engineering

Event Name	Seminar on “Smart grid- India’s future”
Theme	Seminar
Date	06-11-2015
Venue	Seminar hall 4 th floor A block

Objectives of the Program/ Event:

- The major objectives of this is to connect the electrical smart grid- mode of operation, its application, utilization and performance.



Details of the Event:

A seminar was organized by **Electrical and Electronics Engineering Dept., DSATM** on 6th November 2015 on “**Smart grid- India’s future**”.

- The talk was delivered by an industry expert **Dr. Balaraman K, PRDC, Bangalore**. The talk was attended by the students of 3rd, 5th and 7th semester Students.
- The subject expert produced ppt presentation and video clippings on the said areas of the latest technological frontiers

Preferably Measurable outcomes:

Students will able to

- Understand and apply smart grid technology from a simple system to huge.



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Department of Electrical and Electronics Engineering

Event Name	Seminar on REC Mechanism & RE integration
Theme	Seminar
Date	06-11-2015
Venue	Seminar hall 4 th floor A block

Objectives of the Program/ Event:

- The major objectives of this is to impart knowledge on Renewable Integration and Grid Management
- It also gives overview on Renewable forecasting, SCADA for Renewable Energy generation, Scheduling of Renewable Energy



Details of the Event:

A seminar was organized by **Electrical and Electronics Engineering Dept., DSATM** on 6th **November 2015** on “**REC Mechanism & RE integration**”.

- The talk was delivered by an industry expert **Suresh Babu, Joint Director, NPTI**.
- The talk was attended by the students of 3rd, 5th and 7th semester Students.
- The subject expert produced ppt presentation and video clippings on the said areas of the latest technological frontiers

Preferably Measurable outcomes:

Students will able to

- Understand the challenges in Renewable Integration and Grid Management



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Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082
Department of Electrical and Electronics Engineering

Event Name	Seminar on Smart Metering
Theme	Seminar
Date	06-11-2015
Venue	Seminar hall 4 th floor A block

Objectives of the Program/ Event:

- The major objectives of this is The Role of Smart Meters in Enabling Real Time Energy Services for Households



Details about the event :

A seminar was organized by **Electrical and Electronics Engineering Dept., DSATM** on 6th **November 2015** on “**Smart Metering**”.

- Talk was delivered by an industry expert **Dr. Veer Manju, HOD, SJCE, Mysore.**
- The talk was attended by the students of 3rd, 5th and 7th semester Students.
- The subject expert produced ppt presentation and video clippings on the said areas of the latest technological frontiers

Preferably Measurable outcomes:

Students will able to

- Understand the Role of Smart Meters in Enabling Real-Time Energy Services for Households



ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

Event Name	Two-day workshop on NI Labview
Theme	Technical training
Date	04/11/2019 to 05/11/2019
Venue	B Block 4 th Floor NI Labl, DSATM Bangalore

Objectives of the Program/ Event:

- To introduce the concept of Labview and state its uses in the industry of electronics and communication and give the importance of it in the upcoming future.
- The two-day workshop also gives your hands-on training for the students to understand the concepts Labview and implement them in certain projects that are conducted in the workshop.

Photos:



Purpose: To impart the knowledge on graphical programming and Data Acquisition using myDAQ and myRIO



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About the topic: Trainer covered following topics

- Introduction to Labview
- Interfacing Booster packs
- LOOPS
- Interrupts
- Boolean expressions
- conditions
- Mini Project & Test Conduction

Resource person: Dr. Madhumathy P., Mrs. Kavitha N, Mrs. Pallavi Kulkarni, DSATM, Bangalore

Address of the GAP: Adopting the current technologies used in industry

Preferably Measurable outcomes:

- Understand basic functions of data structures such as arrays, linked lists, stacks and queues in Labview
- To program to perform specific tasks
- To introduce the concept of loops and structures.
- To introduce certain concepts of myRIO and myDAC Kits



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ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

Event Name	ELECTROBLAST 2019
Theme	Technical Event
Date	22/10/2019 - 23/10/2019
Venue	A Block 4 th Floor Seminar Hall ,DSATM

Objectives of the Program/ Event:

This event was organised to as a platform to showcase various skills related to electronics and even allow students to showcase the leadership and technical skills.

Photos:



Purpose: To Encourage students to showcase their technical skills

About the topic: The following event has been conducted:

- Entrepreneur Run
- Circuit building
- E-Fake It
- E-painting
- Project exhibition
- E-quiz



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- E-Crossword

Resource person: Faculties, Dept. of ECE, DSATM Bangalore

Address of the GAP: Encouraging students to explore the technical

Preferably Measurable outcomes:

- Technical skill set of students were explored.
- Several students were successful in implementing the mini projects given as a task within the constraints.





ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

Event Name	Two-day workshop on Recent trends on IOT
Theme	Technical training
Date	17/10/2019 to 18/10/2019
Venue	B Block 4 th Floor Seminar Hall, DSATM Bangalore

Objectives of the Program/ Event:

- The importance of IOT in the present technological field was been introduced
- The two-day workshop also gives your hands-on training for the students to understand the concepts of IOT and implement them in certain projects that are conducted in the workshop.

Photos:



Purpose: To improve Coding skills and Give a brief introduction on IOT

About the topic: Trainer covered following topics

- IOT algorithms
- Mini Project & Test Conduction



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Resource person: Mr.Mohan, Trainer of Digital Shark,

Address of the GAP: Adopting the current technologies for embedded systems and IOT.

Preferably Measurable outcomes:

- Understand basic functions of C AND C++, data structures such as arrays, linked lists, stacks and queues
- To introduce the concept of IOT.
- To introduce certain concepts of security for IOT devices



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Department of Electronics and Communication Engineering

Event Name	Graphical Programming, Data Acquisition and Hardware programming using NI lab View
Theme	Faculty Development Programme
Date	28/06/2019 to 02/07/2019
Venue	4 th Floor NI Lab ,DSATM

Objectives of the Program/ Event:

- The objective of event was to explore LabVIEW environment
- To provide hands-on session on programming using NI lab View.

Photos:



Purpose: To impart the knowledge about graphical programming and Data Acquisition using Lab VIEW.

About the topic: Trainer covered following topics

- Graphical programming basics
- Graphical programming Advances
- Hardware programming using NI-myDAQ
- Hardware programming using NI-myRIO

Resource person: Mr. Nagarajan G, VI Solution Bangalore

Address of the GAP: Adopting the current technologies and modern tools for designing and modeling a system to guide students regarding the Lab VIEW projects.

Preferably Measurable outcomes:

- Participants got awareness about Lab VIEW based research.



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- **Participants are able to understand Lab VIEW opportunities & challenges and controlling on board LED using NI-myDAQ**
- **Participants are able to Hardware programming using NI-myRIO**



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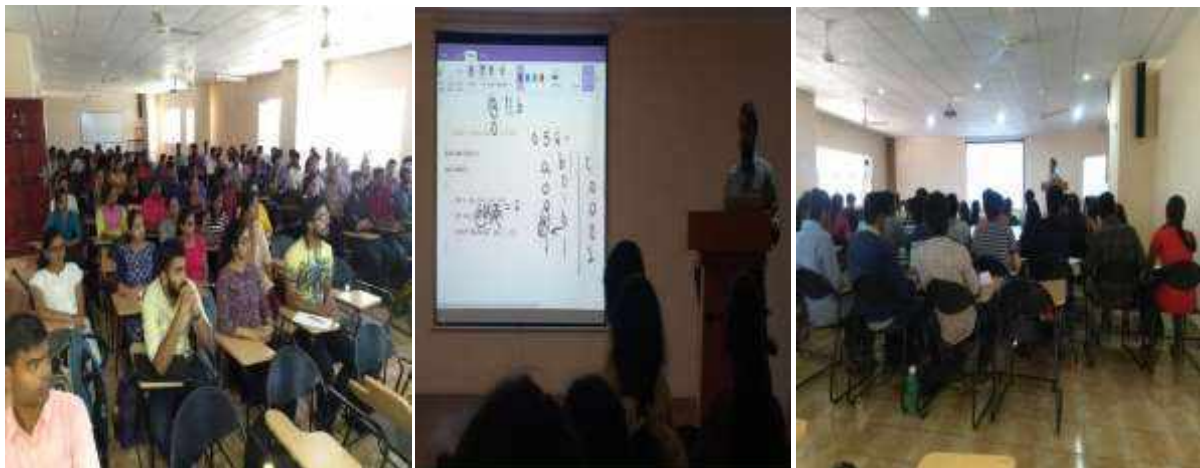


Department of Electronics and Communication Engineering

Event Name	C, C++ and Data Structures Training
Theme	Technical training
Date	07/02/2019 to 03/03/2019
Venue	B Block 4 th Floor Seminar Hall ,DSATM

Objectives of the Program/ Event:

- As knowledge of Data Structures and C++ is very important for Electronics & Communication Engineering students for their placements and career, the department of ECE took a step head and got the Pre final year students trained on the same subjects.
- The main objective of the event is to determine the various types of abstract data such as queue, stack and lists.
- To understand the implementation process of abstract data by using the Python data lists.
- To evaluate the performance of linear data structure.
- To comprehend the expression formats of prefix, infix and postfix.



Purpose: To improve coding skills among the students

About the topic: Trainer covered following topics

- C Programming , Bit Wise Operators & Computer Systems
- Data Types & Limits
- C & Electronics
- Arrays & Strings
- Pointers – 1 & Memory Architecture
- Pointers – 2 & Advanced Topics on Pointers
- Structures, Unions
- Test & Solution Discussion



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- Linked Lists
- Stacks & Queues
- Binary Search Trees, Heaps & Hash Tables
- C++ & OOPS -1
- C++ & OOPS – 2
- Mini Project & Test Conduction

Resource person:Mr. Nikesh Agarwal, Saarathi Group, Bangalore

Address of the GAP:Adopting the current technologies and modern tools for designing and modeling engineering activities.

Preferably Measurable outcomes: Many students who attended this training got placed in reputed companies through the college placement cell.

- Understand basic functions of C AND C++, data structures such as arrays, linked lists, stacks and queues
- Describe the hash function and concepts of collision and its resolution methods
- Solve problem involving graphs, trees and heaps
- Apply Algorithm for solving problems like sorting, searching, insertion and deletion of data





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Department of Electronics and Communication Engineering

Event Name	ELECTROBLAST 2018
Theme	Technical Fest
Date	04/10/2018
Venue	A Block 4 th Floor Seminar Hall ,DSATM

Objectives of the Program/ Event:

This event was organised to as a platform to showcase various skills related to electronics and even allow students to showcase the leadership and technical skills.

Photos:



Purpose: To Encourage students to showcase their technical skills



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About the topic: The following event has been conducted:

- Entrepreneur Run
- Circuit building
- E-Fake It
- E-painting
- Project exhibition
- E-quiz
- E-Crossword

Resource person: Faculties, Dept of ECE, DSATM Bangalore

Address of the GAP: Encouraging students to explore the technical

Preferably Measurable outcomes:

- Technical skill set of students were explored.
- Several students were successful in implementing the mini projects given as a task within the constraints.



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Department of Electronics and Communication Engineering

Event Name	Two day workshop IOT and Embedded System
Theme	Technical training
Date	07/05/2018 to 08/05/2018
Venue	A Block 4 th Floor Seminar Hall ,DSATM

Objectives of the Program/ Event:

- To introduce the concept of embedded systems and state its uses in the industry of electronics and communication and give the importance of IOT in the upcoming future.
- The two-day workshop also gives your hands-on training for the students to understand the concepts of embedded systems and IOT and implement them in certain projects that are conducted in the workshop.

Photos:



Purpose: To improve Coding skills in embedded C and Give a brief introduction on IOT

About the topic: Speaker covered following topics

- C Programming, Bit Wise Operators & Computer Systems
- Introduction to TIVA series development board



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- Setting up Code composer Studio.
- Interfacing Booster packs
- GPIO functions
- Interrupts
- Explaining various communication protocols such as I2C, SPI, UART etc.,
- Using UART Communication
- Architecture of ARM Cortex M4 series microcontrollers
- IOT algorithms
- Mini Project & Test Conduction

Resource person: Mr. Rajesh M, Application Engineer, Digital Shark Technologies, Bangalore

Address of the GAP: Adopting the current technologies and modern tools for embedded systems and IOT.

Preferably Measurable outcomes:

- To program microcontrollers to perform specific tasks
- Understand basic functions of C AND C++, data structures such as arrays, linked lists, stacks and queues
- To introduce the concept of IOT.
- To introduce certain concepts of security for IOT devices



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Department of Mechanical Engineering

Event Name	FACULTY DEVELOPMENT PROGRAM
Theme	Augmented & Virtual Reality Interfaces for 3D Printing and Design
Date	28.01.2020-01.02.2020
Venue	1 st Floor, Seminar Hall, M-Block

Objectives of the Program/ Event

- Introduction to 3D printing technology & advanced manufacturing technology using Additive Manufacturing, Hands on session on conversion of CADD model to machine language
- Digitalizing Design through Transformation & Innovation, Real Time Case Studies of Additive Manufacturing
- Design and Development of Low Cost 3D Printers, Metal and Polymer Printing



Details about the event:

- Additive manufacturing techniques provide major competitive advantages due to the fact that they adapt to the geometrical complexity and customised design of the part to be manufactured.
- Greater capabilities, lower prices, and an expanded range of manufacturing materials have vastly expanded adoption of 3D printers over the last decade and a half. The *“Plant more Trees, Save Water, Save Electricity, Avoid Plastics, The world is in your Hands”*





Department of Mechanical Engineering

economic and scientific potential of this technology, as well as certain regulatory concerns (such as 3D printing of firearms), have recently increased congressional interest.

- Nothing beats hands-on experience when you're learning a new skill — especially if it's in a highly-specialized field like augmented reality (AR) and virtual reality (VR) are technologies that enrich our surroundings with digital information, or, in the case of VR, replace it entirely with a realistic digital environment.
- In addition, current outstanding issues that prevent metal AM from entering mass production in the aerospace industry are discussed, including the development of standards and qualifications, sustainability, and supply chain development.
- Explained from discovery to design, development to deployment of metal AM solutions and strategy, technology, innovation, engineering, R&D manufacturing, quality, and supply chain functions to deliver Additive Manufacturing solutions and services that are focussed on business outcomes

Measurable outcomes, w.r.t. realisation of Vision:

- Understanding about Design and Development of Low Cost 3D Printers, Metal and Polymer Printing
- Application and opportunities of augmented and virtual reality in Mechanical and aerospace industry





Department of Mechanical Engineering

Event Name	TWO DAY WORKSHOP
Theme	3D PRINTING TECHNOLOGY
Date	06-11-2019 to 07-11-2019
Venue	Department of Mechanical Engineering, DSATM, Bangalore

Objectives of the Program/ Event

- To know the process of making three dimensional solid objects from a digital file.
- To understand the creation of a 3D printed object using additive processes.





Department of Mechanical Engineering

Details about the event:

- The event started as per the schedule and Dr. Manohar H S, Head, Department of Mechanical Engineering, DSATM welcomed the speaker Mr. Shreyas S P Hycubes India private Ltd. Bangalore”. After the welcome speech, Mr. Shreyas S P from “**Hycubes India private Ltd. Bangalore.** shared his knowledge on the topic “3D printing Technology”.

Measurable outcomes, w.r.t. realisation of Vision:

- Understanding the Adoption of 3D printing has reached critical mass as those who have yet to integrate additive manufacturing somewhere in their supply chain are now part of an ever-shrinking minority.
- It’s important to see it as a cluster of diverse industries with a myriad of different applications.



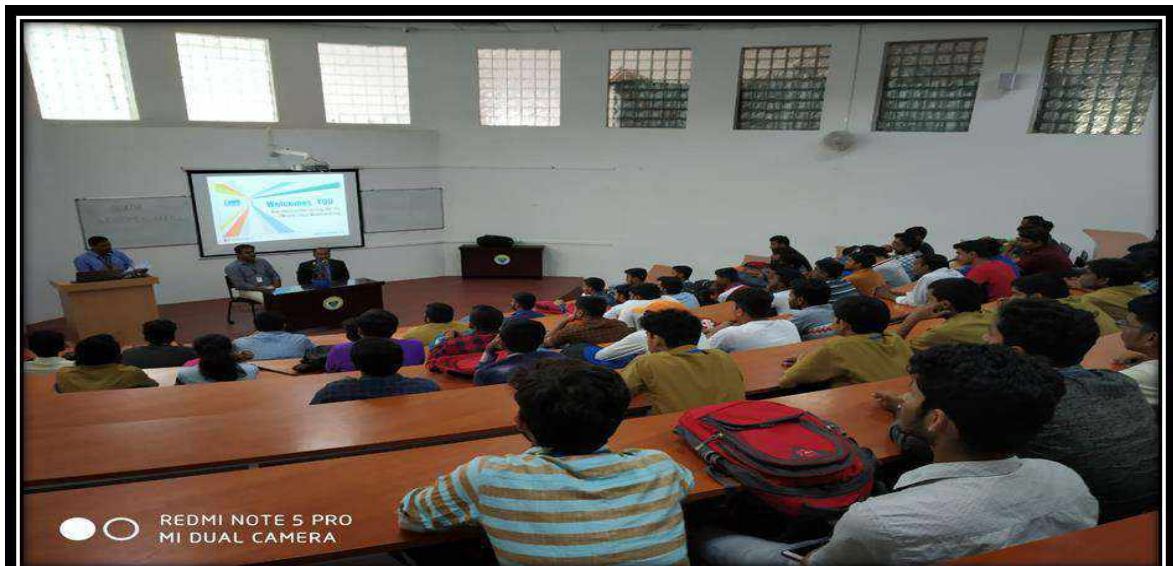


Department of Mechanical Engineering

Event Name	ONE DAY WORKSHOP
Theme	NON-DESTRUCTIVE TESTING IN ADVANCED MANUFACTURING
Date	18/09/2019
Venue	Ground floor seminar hall MBA-Block, DSATM

Objectives of the Program/ Event

- To understand the manufacturing of parts using this technology with a single AM part by replacing several others.
- While some quality testing of these parts can be undertaken using existing methods.





Department of Mechanical Engineering

Details about the event:

The event started as per the schedule and Dr. Manohar H S, Head, Department of Mechanical Engineering, DSATM welcomed the speaker Mr. Ravi Kumar T Chairman, The Indian Institute of Welding, **Bangalore**". After the welcome speech, Mr. Ravi Kumar T shared his knowledge on the topic "**NON-DESTRUCTIVE TESTING IN ADVANCED MANUFACTURING**". It is one of the most exciting developments in manufacturing: a set of technologies that can produce complex objects in a range of materials, from precious metals to glass, or even concrete.

Measurable outcomes, w.r.t. realisation of Vision:

- Understanding the concept of Non-destructive testing and its applications.
- Understanding the different types of Non –destructive testing methods.
- Ability to design a sophisticated part for aviation or space exploration.





Department of Mechanical Engineering

Event Name	FACULTY DEVELOPMENT PROGRAM
Theme	Recent Innovations in Manufacturing and Welding Technology
Date	28.06.2019 - 02.07.2019
Venue	1 st Floor, Seminar Hall, M-Block

Objectives of the Program/ Event

- Latest advancement in manufacturing technology and welding
- Applications of different welding processes and their parameter study
- Scope of R & D in manufacturing and welding technology

Details about the event:



- Knowledge on welding technology and advanced manufacturing systems
- Advancement in fabrication process of aerospace industry
- Additive Manufacturing technology and standards





Department of Mechanical Engineering

Measurable outcomes, w.r.t. realisation of Vision:

- Understanding about welding technology and new methods of testing welding parts
- Understanding about process parameters to be considered during welding operation
- Gained Knowledge in analysis of different material characterization with respect to additive manufacturing





Department of Mechanical Engineering

Event Name	FACULTY DEVELOPMENT PROGRAM
Theme	Research opportunities on materials and manufacturing
Date	16.01.2019 - 20.01.2019
Venue	4 th Floor, Seminar Hall, M-Block

Objectives of the Program/ Event

- The role of Material and testing in an Aerospace domain
- Synthesis of nano materials and nano technologies Applications
- Scope of R & D in materials used for Additive manufacturing
- Testing and characterization of composite materials



Details about the event:

- Knowledge on engineering materials, research opportunities in materials and manufacturing
- Testing and characterisation techniques of composite materials
- Manufacturing Planning of Simulation – Machining and Industrial Robots

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Department of Mechanical Engineering

Measurable outcomes, w.r.t. realisation of Vision:

- Composite materials integrating various ceramics, fibers, metals, and polymer forms are being investigated for practically every conceivable application in aerospace, automotive, electronic packaging, orthopaedic implants, energy storage, permanent magnets, household/sports equipment, wind turbines, etc
- Understanding about materials characterisation and testing
- Gained Knowledge in analysis of different material characterization with respect to varying composition





Department of Mechanical Engineering

Event Name	WORKSHOP
Theme	I.C ENGINES HANDS ON EXPERIENCE
Date	13-11-2018 to 15-11-2018
Venue	Department of Mechanical Engineering, DSATM, Bangalore

Objectives of the Program/ Event

- To know about the principle, assembly and working of IC Engines





Department of Mechanical Engineering

Details about the event:

- The event started as per the schedule and Dr. A S Devaraja, Head, Department of Mechanical Engineering, DSATM welcomed the speaker Mr. Naveena M and team from “**AJ Heuristic. – Bangalore-49**”. After the welcome speech, Mr. Naveena M from “**AJ Heuristic. – Bangalore-49**” shared his knowledge on the topic “IC Engines”. Hands on experience about assembly and disassembly of the IC engine.

Measurable outcomes, w.r.t. realisation of Vision:

- A discussion on the outcomes of the event was carried out at the end of the session. This event enabled the students to explore hands on experience and service and maintenance of IC engines.





Department of Mechanical Engineering

Event Name	FACULTY DEVELOPMENT PROGRAM
Theme	Computer Aided Design, Modelling and Analysis of Mechanical Systems
Date	08.01.2018-11.01.2018
Venue	4 th Floor, Seminar Hall, M-Block

Objectives of the Program/ Event

- Introduction to Cloud Computing in Computer Aided Engineering
- Finite Element Analysis with an emphasis on Crash Analysis & simulation carried out in automotive industry for various vehicles.
- Robust Design Mechanical Systems

Details about the event:



- Mechanical Design and Visualization –Detailed Design and Electronic Drafting, Parametric Modelling and Motion Simulation/Animation
- Engineering Analysis and Optimization – Pre & Post Graphical Processors for Finite Element Analysis (Mechanics, Dynamics, Thermo-flow, etc.), Identification of Optimal Design Parameters and Configurations, Motion Analysis (Location, Speed, Acceleration and Force)



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Department of Mechanical Engineering

- Manufacturing Planning of Simulation – Machining and Industrial Robots

Measurable outcomes, w.r.t. realisation of Vision:

- Understanding about Design and manufacturing of mechanical components
- Understanding of computer aided modelling, analysis and testing of automobile systems
- Understanding about process parameters of sheet metal and plastic injection moulding operations



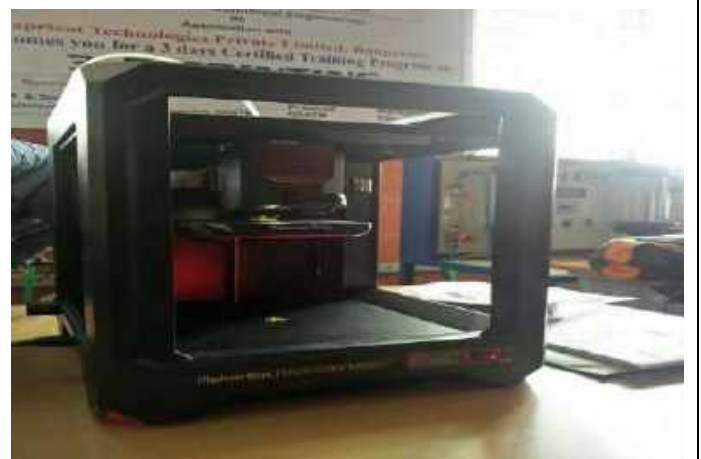


Department of Mechanical Engineering

Event Name	A 3 DAY CERTIFIED PROGRAM
Theme	“3D PRINTING”
Date	07/11/2017 to 09/11/2017
Venue	Seminar hall 4th floor ‘A’ BLOCK

Objectives of the Program/ Event

- Understand the technical principles and workflows for AM of polymers, metals, and composites.
- Design parts for AM by combining process knowledge, computational design tools, and application requirements.





Department of Mechanical Engineering

Details about the event:

- In the 3-Day training program day 1 was focussed on enhancing the modelling skills of the participants by making them aware of possibilities and advantages of Autodesk Inventor Software
- Day 2 was completely focussed on giving a detailed insight into the basics of Additive Manufacturing, its advantages, over the conventional manufacturing practices. The day session was informative in terms of existing opportunities and future scope in the field of 3D Printing.
- Day three was focussed on teaching the participants about the programming skills in 3D printing, and demonstrating the 3D printing operations and features of the 3D printed objects.

Measurable outcomes, w.r.t. realisation of Vision:

- Understanding the concept of Additive manufacturing
- Understanding about the object created by laying successive layers of materials on one another.
- Complex shapes having great accuracy using lesser materials as compared to traditional process of manufacturing can be created with 3D printing.
- Applications and opportunities in 3D printing technology.





Department of Civil Engineering

Event Name	One day program - "The thrust area in the field of Environmental Engineering and its importance" –A technical talk
Theme	Engineer's Day Celebration-EDC
Date	08/09/16
Venue	Seminar Hall-A Block

Objectives of the Program/ Event:

- To remember the great engineer of all times Sir M Visvesvarayya
- To imbibe in students the importance of environment in civil engineering
- Economics of environment assessment in projects
- Encouraging students to orient themselves to take up projects



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Environment issues in controlling pollution
- Quantification of parameters for assessment
- Dr Ravi, Environment officer, Karnataka State Pollution Control Board, KSPCB
- Students and faculty of Civil Department
- Sustainability in infrastructural development

Measurable outcomes, w.r.t. realisation of Vision:

- Positive feedback from students
- Active interaction with the speaker during the session
- Projects done with Dr Ravi as an external guide





Department of Civil Engineering

Event Name	One day program-Talk on “Ecology and Environment- Role of Engineers”
Theme	Engineer’s Day Celebration-EDC
Date	18/11/16
Venue	Digital Class room-C Block

Objectives of the Program/ Event

- To remember the great engineer of all times Sir M Visvesvarayya
- To create awareness in students about the importance of environment in constructions
- Minimal threat to environment in projects
- Encouraging students to orient themselves to take up projects



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Ecology in constructions
- Ecology and Environment- Role of Engineers in nation building
- Dr.Farshid Aresthani, Fulbright Scholar, USA Students and faculty of Civil Department
- Sustainability on infrastructural development

Measurable outcomes, w.r.t. realisation of Vision:

- Global scenario to ensure eco-friendly projects
- Active interaction with the speaker during the session
- Offshore placement possibilities





Department of Civil Engineering

Event Name	Two day program - "National level workshop on Bridge design"
Theme	Hands On Workshop-HOW
Date	22/04/17 & 23/04/17
Venue	Seminar Hall-A Block

Objectives of the Program/ Event

- Physical modelling of bridges supported by truss elements
- To understand and apply in practice
- Structural behaviour before failure
- Encouraging students to orient themselves to take up projects

Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Preparation of bridge models and testing them to failure to award prizes for the best model which carried more load
- Mr. Mustafa Masalawala, Design Engineer and Technical Associate, ROBOKART, Sustainability on infrastructural development
- To impart inclusive technology to execute

Measurable outcomes, w.r.t. realisation of Vision:`

- The related courses prescribed for the program appreciated
- Feel of the down size real structures created by themselves loaded to failure
- Appreciation from an industry entrepreneur has strengthened the set vision





Department of Civil Engineering



Measurable outcomes, w.r.t. realisation of Vision:

- Infrastructure development for the mankind

Event Name	One day program-INDUS – Inter College Civil Engineering Technical Fest
Theme	Talent Trending-TT
Date	04/10/18
Venue	Civil Department Premises

Objectives of the Program/ Event

- Interaction of students across the university for socio-cultural development
- Competitions to bring out the best in students
- Significance of workshops to conduct technical fest
- Encouraging student community to excel with required graduate attributes

	
Photo 3	Photo 4 (Valediction Function, if applicable)

Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- To showcase the presence of talent in students
- To bring unity in diversity
- Dr. Thippeswamy, Prof. & Vice Principal, the City Engineering College, Bangalore
- Industry interest in academics

Measurable outcomes, w.r.t. realisation of Vision:

- Co- ordination between the organizing institution and the participants from other institutions
- Learning with fun
- Hidden talent exposed with cutthroat competition





Department of Civil Engineering

Measurable outcomes, w.r.t. realisation of Vision:

Event Name	One day program-Rescue and Rehabilitation works on the flood affected area of KODAGU, Madikeri and surrounding areas.
Theme	Engineer's Day Celebration-EDC
Date	24/11/2018
Venue	Seminar Hall-B Block

Objectives of the Program/ Event

- To remember the great engineer of all times Sir M Visvesvarayya
- Experiencing natural calamity with a research angle
- To understand havocs caused by landslides
- Encouraging students to orient themselves to take up projects



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Rains caused detrimental damage to material and mankind-Speaker's view
- On the spot assessment report of landslides at Kodagu by the speaker
- Shri. K Mohan, Superintendent Engineer, KPWD, Govt. of Karnataka
- The speaker led the team to KODAGU for assessment of the Natural Calamity

Measurable outcomes, w.r.t. realisation of Vision:

- Vision of the Institution addressed with this quality program
- Soil mechanics understood to while analysis explained with videos and pictures
- Encouragement to join government machinery to serve people in an effective manner





Department of Civil Engineering

Measurable outcomes, w.r.t. realisation of Vision:

Event Name	Five Day Program -Innovative Civil Engineering Through Artificial Intelligence
Theme	Faculty Development Program-FDP
Date	16/01/2019 TO 20/01/2019
Venue	Machine Learning Laboratory-A Block

Objectives of the Program/ Event

- To initiate consultancy enabled program -Remote sensing and GIS
- Use of modern technology in digital mapping
- To acquire basic knowledge to invite research and development funds
- Encouraging students to orient themselves to take up projects



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- To get familiar with use of artificial intelligence in civil engineering
- DRONES-Unmanned vehicle to register digital data for GIS
- Pinnamaneni Peda Nageswara Rao got his BSc degree from Andhra University, M Sc, MPhil and Ph.D from Vikram University.
- Requirement to elective subject on Remote sensing & GIS

Measurable outcomes, w.r.t. realisation of Vision:

- Appreciate digital approach to conventional methods of geodetic surveying
- Got the feel of unmanned AI vehicle-DRONE
- Selected projects on the topic





Department of Civil Engineering

Measurable outcomes, w.r.t. realisation of Vision:

Event Name	One day program-“Technical Talk on Importance of & Applications of Project Management Tools in the Construction Engineering”
Theme	Hands On Workshop-HOW
Date	23/02/2019
Venue	CAD Laboratory-M Block

Objectives of the Program/ Event

- To train students to acquire software skills
- To introduce Primavera & CostX softwares
- To ensure learning with hands on sessions
- To equip students to use softwares in projects



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- To make students learn how to use construction management software
- Primavera and CostX software are introduced for hands on sessions
- Mr Janaradhan Acharya, Course Instructor, Infinity PMC Pvt Ltd
- To take up PMC related projects for study

Measurable outcomes, w.r.t. realisation of Vision: Participants are capable of using software

- Interactive and feedback sessions qualified the program
- Projects taken up on Construction management





Department of Civil Engineering

Measurable outcomes, w.r.t. realisation of Vision:

Event Name	Water Conservation for Sustainability
Theme	Environment Maintenance & Challenges-EMC
Date	23/03/2019
Venue	Seminar Hall-M Block

Objectives of the Program/ Event

- To create awareness on public health engineering
- To throw light on existing challenges of environmental friendly maintenance of public and private facilities
- Minimal threat to environment in infrastructure development and maintenance
- Encouraging students to orient themselves to take up projects

Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Issues to deal with in Water supply and Sanitary Engineering
- Eminent personalities from the public domain, invited to speak on existing difficulties for supply and disposal of water and sewage accordingly
- Dr.
- Site visits to strengthen understanding of existing system and challenges

Measurable outcomes, w.r.t. realisation of Vision:

- National interests are imbibed in the minds of student and teaching fraternity
- Active interaction with the speaker during the session ensured success of the program
- Placement possibilities with the projects on public health issues faced by Municipal corporation and metropolis





Department of Civil Engineering

Measurable outcomes, w.r.t. realisation of Vision:

Event Name	<i>"5 Day Faculty Development on Structural Health Monitoring: A Means for Repair & Rehabilitation"</i>
Theme	Faculty Development Program
Date	28/6/19 to 2/7/19
Venue	Seminar Hall-A Block

Objectives of the Program/ Event

- Enhance knowledge base of faculty to modern sustainability measures in constructions
- Technology to support research initiatives in infrastructural development
- Softwares to handle upstressing technics of distressed structures
- Case study reports of industry giants of structural engineering



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- To equip faculty with inclusive tools to teach
- Retrofitting repair and rehabilitation of structures is a modern technic to sustainable growth
- *Dr. R Nagendra Dr. Sudarshan M S Dr. Sudarshan S Iyengar STEDRANT TECHNO CLINIC PVT. LTD Dr. Radhakrishna Secretary, ICI KBC Dr. P M Ravindra BIT Dr. Neethu Urs DSCE Dr. Chandra Mouli S V – PESU*
- Add on activity to qualify faculty to take elective courses
- Sustainability on infrastructural development
- Institution with faculty engaged in continuous learning
- Projects taken up by students at the organisations where resource persons are from.
- External expert guidance in every activity encouraged inclusive learning





Department of Civil Engineering

Measurable outcomes, w.r.t. realisation of Vision:

Event Name	Two day program-“Workshop on IOT (Internet of Things)”
Theme	Hands On Workshop-HOW
Date	19/09/2019 & 20/09/2019
Venue	CAD Laboratory-M Block

Objectives of the Program/ Event

- To get the hardware knowledge used in softwares
- Function of internal and external modem
- To appreciate information technology in civil engineering
- Encouraging students to orient themselves to take up multidisciplinary projects



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Hands on experience to understand capacitors electronic circuits in computer hardware
- Training by Industry and academic experts in liaison
- Dr.
- Hardware and software in communication addressed
- Enthusiasm witnessed during the workshop the way the students participated through interaction
- Learning IOT happened on the concluding day of the program
- Confidence among the students to take up open electives of CS IS branch





Department of Civil Engineering

Event Name	One day program-Civil engineering as a backbone of mankind for its existence
Theme	Engineer's Day Celebration-EDC
Date	27/09/2019
Venue	Seminar Hall-A Block

Objectives of the Program/ Event

- To remember the great engineer of all times Sir M Visvesvarayya
- To introduce a living legend of civil engineering
- To fulfil the set vision of the institute by invited renowned guest of honour
- Encouraging students to orient themselves to take up Structural engineering projects



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- To revive responsibility students are going to shoulder to build our nation
- Failures are the real guide for innovations was envisaged during the talk by the professor emerald
- Dr SS Bhavikatti.IIT Delhi Alumini Principal Head Professor NIT Surathkal .Author of all structural engineering books-ECE,SOM,SA1,SA2,MMS,FEA,RCC,STEEL etc
- Missing basics were plugged with failure study of many projects

Measurable outcomes, w.r.t. realisation of Vision:

- Vibrations and dignity among the student community as they witnessed living legend interacting with them
- Simplicity of great personality motivated everyone how to develop required graduate attributes
- Students encouraged to embrace structural engineering as a career





School of Architecture

Event Name	TEACHERS TRAINING PROGRAMME
Theme	INNOVATIVE BUILDING TECHNOLOGY AND MATERIALS FOR SUSTAINABLE ARCHITECTURE
Date	APRIL 2018
Venue	SOA-DSTAM

Objectives of the Program/ Event

- TTP is programmed to explore the ideas to achieve sustainability.
- Methods and practices of construction, Architectural Design concepts, Choice of Materials, climate responsive approaches etc, that help support nature, propagate healthy living standards.
- The program dwells on new technological advances that can build a strong bond between nature and the human beings. Millions of Sqm is constructed day by day and year by year, but how much of it is supportive and how much damaging to nature

		ong ong sessi on
Inaugural Function		
		valedi ctory functi on
ongoing session		

Details about the event:

(Purpose, about the topic, Resource person/ participants with numbers, Alignment with Vision / Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- The need of the hour is to harness natural resources and optimize usage of materials that cause damage to nature, which in a word means Sustainability. Sustainable



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environments that are possible adopting sustainable methods, measures of planning and architecture. This stands out to be a great challenge to Architects and Planners in the present day. An Architect can be creative and a planner more rational as long as the focus is not shifted. The focus is to DECODE NATURE. Nature gives the solution for everything. But we need to decode nature to understand nature. The Program invites people with innovative technologies and professionals (Architects and Planners) with creative ideas to deliberate and demonstrate practices that bring together sustainable environments that can build and protect future.

- SOA DSATM organised 5 days Teacher's Training Programme (TTP) on "Innovative Building Technologies and Materials for Sustainable Architecture", from 16th to 20th April 2018 in collaboration with COA-TRC(Council Of Architecture-Teachers Research Centre). The programme co-ordinated by Prof.Gaddam D Ramesh, Ar.Harshalatha and Ar.Likhita devineni.
- The topics covered in the FDP are
 - Recycling Building Components in Innovative Ways for Sustainable Architecture
 - Sustainable approach in building design and technology
 - Sustainability Leadership for the 21st Century with emphasis on Water Equity and Policy in Bangalore
 - A Relevant Approach to Indian Sustainability In 21st Century
 - Sustainable architecture with special reference to industrial buildings
 - "Holistic Architecture for Holistic Living - A new paradigm
- There are 15 faculties from various colleges are attended. Expert lectures delivered by Ar.Arun Swaminathan,Ar.Neelam Manjunath,Ar.Bharath Gowda,Ar.Indranil Bhattacharya,Ar.Jayaram Kumar,Ar.Meghana Dutta,Ar. S. V. Kamath in 5 days sessions.
- The faculties are updated with new building materials and sustainable construction details as part of quality enhancement of teaching methodologies for the current industry and academic requirement
- The two faculties Prof.Vidya and Prof.Radha got sponsorship from management and the other faculties are self-sponsored with registration from COA-TRC

Measurable outcomes, w.r.t. realisation of Vision:

- The participants exposed to new innovative technologies and building materials for the sustainable architecture
- Through the site visit participants also exposed to the practical approach of innovative sustainable technologies
- During the hands-on sessions the interesting model with bamboo sticks are done to explore the possibilities of bamboo as a material
- The feedbacks are taken from the participants to identify the gaps



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Event Name	OUTREACH PROGRAMME AND MOU WITH DSABA
Theme	Skill development & Value added short term certificate course on Illustrations
Date	July-15th to 19th 2019
Venue	SOA-DSATM

Objectives of the Program/ Event

- A skill development and value-added course provides a better opportunity to get noticed amongst the competitors in today's job market.
- An interdisciplinary approach allows for synthesis of ideas across various disciplines without confining to one core theme. This also allows creating a powerful learning experience and emphasizes integrative learning, critical thinking, and creative problem solving.
- To develop their sketching skill we organized interactive talk which open up student's thinking and sketching fear.



Details about the event:

- The first intent of the workshop was to introduce various hands-on skills, which is universally followed and is not restricted by the use of any language. So that the students explore a way of exploring their ideas by the use of certain skills with any language barrier. The second intent was to see through that the students understand and follow concept making and express it through the use of skills, properly executing the idea within the time-limits. The third intent was to make the students work in groups to explore individual strengths, their contribution in a team, the leadership roles as well as team spirit. The fourth most important intent was to develop problem solving ability in the students by throwing a different challenge and a different skill set to explore each day.
- The School Of Architecture-DSATM (SOA-DSATM) signed MOU with the Dayananda Sagar Business Academy (DSBA) to conduct a 5-Days Skill Development & Value-Added Short Term Certificate Course for the students of BBA, B. Com, &





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BCA. This initiative is part of the School Of Architecture-DSATM Collaboration & Outreach Program.

- The 5-Days extensive hands on workshop were from 15th July, 2019 till 19th July, 2019 where approximately 200 students participated with great enthusiasm.
- A skill development and value-added course provides a better opportunity to get noticed amongst the competitors in today's job market. An interdisciplinary approach allows for synthesis of ideas across various disciplines without confining to one core theme. This also allows to create a powerful learning experience and emphasizes integrative learning, critical thinking, and creative problem solving.

Measurable outcomes, w.r.t. realisation of Vision:

- The final outcome illustrations succeeded in drawing everyone's attention and proved that each one of us has an in-born creative inclination which can aptly be used for any problem-solving or team building scenario.



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School of Architecture

Event Name	EXTRA CURRICULAR ACTIVITY
Theme	WORLD ARCHITECTURE DAY-2018
Date	1 ST OCTOBER 2018
Venue	SOA-DSATM

Objectives of the Program/ Event

- Day to show appreciation for the work architects do and to celebrate some of the great global architectural works.
- To showcase the importance of architecture, which is incredibly important and architects, who have the potential to shape all of our lives through their hard work.
- Architecture plays an essential role in planning for the future, sustaining population growth and tackling a number of social problems.





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Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/
Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- To bring architects, engineers, planners, and developers together to showcase their work, discuss future projects, debate current issues and plan new business ventures
- World architecture celebrated in SOA-DSATM by organizing seminar and cultural activities. The speaker from industry and academics are invited to give a talk and share the knowledge in the field of architecture. The students presented their cultural programme and the faculties were presented with the mementos on occasion of world architecture day on 1st October. As part of
- Resource persons were Ar.Ravi Ramachandran-Practicing Architect, Ar.Jagannathan-academician, Ar.Jayaram-Practicing Architect, Ar.Arun Swaminathan-Academician/Practicing architect
- The architects shared their valuable thoughts with the students in the field of architecture

Measurable outcomes, w.r.t. realisation of Vision:

- The students learn broader aspects of the subjects and innovative ideas
- The event gave opportunity to interact with the eminent architects of academic and practicing background to expand their knowledge as well networking



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School of Architecture

Event Name	ONE DAY ALCHEMY WORKSHOP IN COLLABORATION WITH RAREMINDS
Theme	Urban Agriculture-Game Designing in architecture
Date	September 8 th 2018
Venue	SOA-DSATM

Objectives of the Program/ Event

- To study the key concepts and approaches of the implementation of urban agriculture in design studio
- To encourage the students to come up with the idea of urban agriculture in their academic and professional design projects
- Students to develop the gaming concepts through architecture

Details about the event:



- The workshop conducted in collaboration with rare minds at soa-dsatm. The event is to integrate the urban agriculture with architecture and also showcase the opportunities for an architect in gaming design.
- Resource persons are D.S. Ramaprasad-Co. Founder: Green Minds and Rakesh Rauvri-CTO Sapient
- 48 students of 5th and 7th semesters attended the workshop
- This event is a knowledge-enhancing add-on program which they can utilize in their design curriculum as well as in the profession

Measurable outcomes, w.r.t. realisation of Vision:

- The students gained a knowledge in the field of urban agriculture which is the necessity for the present scenario
- The workshop gave an idea of expanded areas of specialization in architecture program





School of Architecture

Event Name	ONE DAY EXPERT TALK SERIES
Theme	Public health Engineering, Fire and life safety, Electrical services, HVAC Services
Date	Sep 22 nd 2018
Venue	SOA-DSATM

Objectives of the Program/ Event

- The objective of expert lecture on building services is to explore the knowledge by interacting with industry experts for architecture and civil engineering students
- Students to relate theoretical knowledge with practical inputs of services in their curriculum.



Details about the event:

- Building services are the systems installed in buildings to make them comfortable, functional, efficient and safe. They can include fire safety, HVAC (heating, ventilation and airconditioning), lighting, plumbing, etc. Building services play a central role in contributing to the design of a building, not only in terms of overall strategies and standards to be achieved, but also in façade engineering, the weights, sizes and location of major plant and equipment, the position of vertical service risers, routes for the distribution of horizontal services, drainage, energy sources, sustainability, and so on. Building services engineers influence a building's architecture and can have considerable influence on





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the sustainability and energy demand of a building, as well as the health and wellbeing of its occupants. The students of architecture and civil engineer must understand the collaborative work with building service engineers in their profession.

- The one day workshop on building services - Public health Engineering, Fire and life safety, Electrical services, HVAC Services intended to cater the higher semester students of architecture and civil engineering where the students are exposed to get knowledge in the practical field by interacting with experts.
- The resource persons are Mr.Prashanth Gururaj, Mr.Vivek, Mr.Prasadgowda- Technical Directors-Design Tree consultants
- The students of SOA-DSATM and Civil Engineering department are participated and got the certificates

Measurable outcomes, w.r.t. realisation of Vision:

- Students able to recognise the practical approach towards the services while designing the buildings other than specified syllabus
- The students got awareness about the building codes which is practically used in the construction of buildings



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School of Architecture

Event Name	ADD ON PROGRAM-8 DAYS WORKSHOP
Theme	ORDER IN BUILT ENVIRONMENT-3.0
Date	AUG 19 TH TO 26 TH 2018
Venue	SOA-DSATM

Objectives of the Program/ Event

- Explore methods of identifying order in general.
- Understand notions where the idea of order is manifest in built environment.
- Representation: understanding modes of abstraction in order to study and understand the systems.

Details about the event:



- The workshop endeavours to define certain notions where the idea of order manifests in the built environment and relates to the way we design. These are by no means exhaustive nor are they the best selections. All are a mixture of concepts and methods. This required a two pronged inquiry, one focusing on the Vernacular in order to understand ‘ways of looking at built environment’ and the other on the designed in order to understand ‘ways of designing’.
- Order in the contemporary built environment is rarely acknowledged. Unlike in the case of a number of historic built environments, order is not the generator of form; rather order is a result. Thus the contemporary built environments are extremely chaotic. The workshop on order in built environment intention is to acknowledge this order. Identifying this order gives us more control over design of built environment. This workshop tries to develop an understanding of the word Order and its Manifestations in the context of built environment. The last two days mainly concentrated on presentation drawings and students presented their work through sheets and models. The participants got the certificates.
- The Resource Person were: Ar.Gunjan Niranjana Modi, Ar.Harsha Desai, Ar.Neeljain, Ar.Smit Modi,-Practicing Architects-Ahmedabad





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- 38 students of SOA-DSATM are attended the workshop.

Measurable outcomes, w.r.t. realisation of Vision:

- The study of a building not just visually or structurally, but understanding the space and the relationships between them was the most useful and valuable aspects of this workshop.
- The skill of representing something in a simple and more focused manner. And how to analyse a space.



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Objectives of the Programme

Event Name	FACULTY DEVELOPMENT PROGRAMME- 5 DAYS PROGRAMME
Theme	Modern Architecture
Date	28 th June to 2 nd July 2019
Venue	SOA-DSATM

- The programme would explore the various facets of modernism in Western and Indian context and it would give a perspective of development of modern architecture, its influential thinkers and their ideologies.
- Objective of the program is to stimulate the thought processes of the faculties and aim to enhance the understanding of the students.



Details of the Programme

- In 1908 Adolf Loos wrote an article “Ornament and Crime” where ornament was regarded as primitive and irrelevant. A new architecture was created in the early twentieth century in the image of a machine and this aspiration was founded in Le Corbusier’s famous dictum “The house is a machine to live in”. From there on birth the modern architecture we see today. The 5-Days faculty development programme was from 28th June, 2019 to 2ND July, 2019 where 21 faculties participated with great enthusiasm.
- Resource persons are Ar. Arun Swaminathan, Ar. Anup Naik, Ar. Shiraz Zaidi and Anja Zaidi, Ar. K. Jayaram and Ar. Sagar
- The programme would explore the various facets of modernism in Western and Indian context and it would give one a perspective of development of modern architecture, its influential thinkers and their ideologies.



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Measurable outcomes, w.r.t. realisation of Vision:

Event Name	2 DAYS WORKSHOP
Theme	OPENING MINDS TO UNIVERSAL DESIGN THINKING
Date	12 TH & 13 TH SEPTEMBER 2019
Venue	SOA-DSATM

- The participants are assessed at the end of the each session with the test. The marks are consolidated in end of the FDP.
- The faculties submitted individual report on the FDP attended with their conclusion

Objectives of the Program/ Event

- Workshop aims to introduce to the next generation of budding architects and designers, the concept of 'Universal Design' or 'Design-for-All', a relatively new design paradigm that extends far beyond the bias on the able-bodied in architecture.
- Students to widen their scope of the conceptual architectural thinking and strengthen their design skills to achieve social sustainability through design by addressing needs and abilities of all sections of the society.



Details about the event:



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- Universal Design is an inclusive concept and design approach that caters to needs of diverse kinds of users in the society irrespective of their individual differences to maximize usability of products, services and the built environment. The current convention and process of design is based on the needs and abilities of a non-existent hypothetical standard user, which leads to designs that do not incorporate the universal design and inclusive concepts, thus creating disabling environments for some ignored user groups like for instance people with disabilities.
- Resource person -Kavita Murugkar, a leading disability inclusion consultant and universal access specialist in India, is a strong proponent of universal design and is working hard and consistently to promote people centric and inclusive design practise and education in the architectural fraternity in India
- There are 68 students participated from 3rd, 5th and 7th students of SOA-DSATM, DSCA, KSSM etc along with SOA -DSATM faculties

Measurable outcomes, w.r.t. realisation of Vision:

- Students and faculties got sensitization towards universal design through practical experience
- Students can implement the approach towards universal design in their design



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Event Name	Faculty Development Programme (FDP)
Theme	Studio Urban Design
Date	3 rd February to 7 th February, 2020
Venue	SOA, Auditorium - DSATM

Objectives of the Program/ Event

- The workshop intends to explore the modes and methods of conducting Urban Design as a studio.
- This workshop is emphasised on the interrelationship between site Analysis and Urban Design with focus on Sensing Landscape and its Materials.
- Exploring the contextual urban design, interpreting data to develop visions, understanding collaborative role of various actors in decision making, site analysis, sensing landscape and its materials.
- To understand the dynamic and multi-scalar design strategies of the Urban Design studio subject and work towards a result oriented real time project.



Inauguration Function



interactive session



Ongoing Workshop



Valedictory Ceremony

Details about the event:



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- 5-days workshop aims to explore the modes and methods of conducting Urban Design as a studio subject. Teaching urban design as a studio subject is always a challenge as it requires a meticulously structured course plan so as not to deviate from the course objective.
- Urban design is the design of towns and cities, streets and spaces. It is the collaborative and multi-disciplinary process of shaping the physical setting for life in cities, towns and villages; the art of making places; design in an urban context. Urban design involves the design of buildings, groups of buildings, spaces and landscapes, and the establishment of frameworks and processes that facilitate successful development.
- The Four invited experts Ar. Brinda Sastry, Ar. Guru Prasanna. C, Ar. Bakul Jani, and Ar. Vagish Naganur emphasized on the following key areas: interpretation of the syllabus, exploration of contextual urban design, interpreting data to develop visions, understanding collaborative role of various actors in decision making, site analysis, sensing landscape and its materials.
- Organizing Committee: Dr. B. R. Lakshmikantha, Principal of DSATM, Dr. C. Nandini, Vice- Principal and HOD-CSE, DSATM, Dr. K. A. Sumithra Devi, Dean Academics and HOD-ISE, DSTM, Prof. Gaddam D. Ramesh, Director – SOA, DSATM.

Measurable outcomes, w.r.t. realisation of Vision:

- Development of an understanding of the dynamics and the multi-scalar design strategies of the Urban Design studio subject and working towards a result oriented real time project.
- Establishment of frameworks and processes that facilitates and develops the understanding of urban design amongst the students.
- Generating a sensitive outlook towards the cultural, economical and heritage cultural values present to commence Urban Design.



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Event Name	ONE DAY WORKSHOP
Theme	DESIGNING RAIN WATER HARVESTING SYSTEM
Date	26-09-2020
Venue	SOA-DSATM

Objectives of the Program/ Event

- The objective of the EVENT was to impart training on the basics and design aspects of rainwater harvesting for the students of architecture and civil engineering
- To sensitize the students about the water conservation and environment consciousness



Inaugural Function



Photo 2



Photo 3



Valediction Function

Details about the event:

- Rainwater harvesting is a way of capturing and storing water during rainy periods for use in times when there is little or no rain available. In certain regions of the world, rainwater harvesting can be the difference between having a plentiful crop and dried up vines. There are several objectives behind rainwater harvesting. The event mainly focused on the Rain water harvesting & Techniques of site assessment and integrated system design of rainwater harvesting earthworks, rain tanks, greywater & Landscape features
- The work shop mainly targeted on architecture and civil engineering students of various colleges, where the students of architecture and civil engineering from DSSA, SJSIT, KSSEM, DSATM, SOA-DSATM including two professionals are attended. There are 60 students are participated one day workshop started 10.00 am and concluded at 4.30 pm.
- Mr. Vishwanath got his bachelor degree in civil engineering from national institute of engineering, Mysore university and masters in urban and regional planning, from CEPT Ahmedabad. He also got post graduate diploma in urban environmental management, from Rotterdam, the Netherlands. He is a trustee with the BIOME environmental trust and the



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director of Biome Environmental Solutions Pvt. Ltd- A design firm for Earth Architecture and sustainable water and energy design along with his wife a well-known architect Chitra Vishwanath.

Measurable outcomes, w.r.t. realisation of Vision:

- The workshop addressed including water supply and demand, selection of appropriate rainwater harvesting technology, and the basic construction, installation, operation and maintenance of roof top and surface catchments.
- participants acquired the knowledge of RWH systems and able to choose appropriate technique for RWH in a given situation along with the design



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Department of Management Studies
Annual report 2019-2020

Event Name	Faculty Development Program
Theme	5-Day FDP on Innovative Andragogy And Heutagogical Tools For Millennial Engagement
Date	28 th Jan 2020 to 1 st Feb. 2020
Venue	DSATM

Objectives of the Program/ Event

- To empower the management faculty members with the new-age Heutagogical tools and techniques to engage the digital natives who are mostly tech-savvy, highly informed, and are popularly known as the fast-track generation.

Details about the event:



(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- To provide an insight to the tech savvy millennia with the means to engage digital natives.
- The tools used were cases, storytelling, experiential learning, and Perceptual Learning etc.

Measurable outcomes, w.r.t. realisation of Vision:

- Developing the mindset and new way to engage digital millennia.





Department of Management Studies

Event Name	Workshop
Theme	Introductory workshop on Blockchain & Crypto currency
Date	26 th Nov. 2019
Venue	DSATM

Objectives of the Program/ Event:

- To provide an insight on Blockchain & Crypto currency.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- A. The workshop was conducted to acquaint participants to the concepts of encryption, building of blocks, hyper ledger, genesis of crypto currency and Bitcoin, and mining of crypto currency and about uses cases of Blockchain to commercial operations such as Banking, Healthcare, Real Estate, Supply Chain and other sectors.

Measurable outcomes, w.r.t. realisation of Vision:

- A. The participants were given a downloadable basic program on Block chain basics.





Department of Management Studies

Event Name	Seminar
Theme	E-Week
Date	21 st October to 27 th October 2019
Venue	DSATM

Objectives of the Program/ Event:

- To provide an insight of entrepreneurship, social entrepreneurs, Technology based entrepreneurs.
- To provide an insight on Hands-on Ideation workshop for 1st year and 2nd year MBA students



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- The e-Week was celebrated throughout the week from 21st to 26th October 2019, in the DSATM campus having lots of enthusiasm and excitement with students from all departments of engineering actively participating in the events.
- The purpose of the event was to provide an platform for hands on experience.

Measurable outcomes, w.r.t. realisation of Vision:

- Students were able to connect with the real world situation.





Department of Management Studies

Event Name	Workshop
Theme	HR Round Table Conference On Contemporary & Emerging Trends In HR Analytics
Date	31 st August 2019
Venue	DSATM, Seminar Hall

Objectives of the Program/ Event

- To acquaint the prospective managers to the emerging trends in the field of Analytics.
- To have a Panel discussion on “Contemporary and Emerging Trends in HR-Analytics” by an eminent group of professionals drawn from diverse industries.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- GWFM- student chapter of the Department of MBA, Dayananda Sagar Academy of Technology and Management organised HR Round Table Conference in all its glory to acquaint the prospective managers to the emerging trends in the field of Analytics.
- Panel discussion on “Contemporary and Emerging Trends in HR-Analytics” by an eminent group of professionals drawn from diverse industries.

Measurable outcomes, w.r.t. realisation of Vision:

- The focus of the panel discussion centred around the application of HR Analytics to Recruitment and Selection function, Employee Engagement & Motivation, Compensation Administration, HR Policy Formulation, Lowering Attrition Rates and other areas of HCM.
- The discussions also touch based on the benefits of HR analytics to entire gamut of industries in terms efficiency gains!





Department of Management Studies

Event Name	Training & Development
Theme	PGCET Training For Final Year Degree Students
Date	25 th & 26 th June 2019
Venue	DSATM

Objectives of the Program/ Event

- To provide free PGCET training for final year degree students for securing best rank possible in the MBA qualifying exams.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- A Two day FREE PGCET Prep-training workshop was organised by the Dept. of Management Studies to help UG-students prepare better for the PGCET examinations conducted by the Govt. of Karnataka for entry into various PG courses. This was organised outreach program to offer assistance to the needy students who cannot afford hefty fees charged by coaching institutes.

Measurable outcomes, w.r.t. realisation of Vision:

- About 40 students in and around Bengaluru derived the benefits of this training.
- It was organised on 25th and 26th June with inputs from trainers of 7th Sense consulting.





Department of Management Studies

Event Name	Students National Level Management Fest
Theme	Aavartan 2019 – Two-Day National Level Inter-Collegiate Management Fest
Date	8 th & 9 th May 2019
Venue	DSATM

HOD's Signature

Principal's Signature

Objectives of the Program/ Event

- To inculcate healthy level of competition among the various MBA colleges students



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- The Department of Management Studies - MBA program (VTU), DSATM had organized a Two-Day National Level Inter-Collegiate Management Fest “Aavartan – 2019” on 8th and 9th of May 2019.
- The fest attracted a huge participation of over 200 students from across 19 institutions.

Measurable outcomes, w.r.t. realisation of Vision:

- The fest attracted the students from various colleges and healthy competition was observed.





Department of Management Studies

Event Name	Training & Development
Theme	Certified Training By Seventh Sense Tech Solutions (7 Weeks)
Date	7 weeks between March-April-May, 2019
Venue	DSATM

Objectives of the Program/ Event

- To ensure and enhance the employability prospects of the students through in depth aptitude training.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Seventh Sense Talent Solutions imparted comprehensive certified short-term training on Campus Recruitment Excellence Achievement Modules- CREAM (2019-20) for duration of 42 hours for MBA II Semester students of DSATM.
- The training was spread across 7 weeks during March-April-May, 2019. The purpose of the training program was to ensure to enhance the employability prospects of the students through in depth aptitude training.

Measurable outcomes, w.r.t. realisation of Vision:

- Students were able to employ their learning in their placement training.





Department of Management Studies

Event Name	Training & Development
Theme	Self Musing
Date	30 th March, 2019
Venue	DSATM

Objectives of the Program/ Event

- To provide employability oriented skill enhancement



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- An activity based training on- Self-Musing, an employability oriented skill enhancement was imparted on 30th March 2019 for a duration of 3hours, by Ms. Pahlavi Singh and Ms. Ashritha, Anand, our Alumni from 2015-17 Batch, employed with Ernst and Young.
- The program was well received and highly appreciated by the participants who comprised of MBA II Semester students.

Measurable outcomes, w.r.t. realisation of Vision:

- Students were able to identify their strength and weakness and the mechanism for facing interview.



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Department of Management Studies

Event Name	International Conference
Theme	International Conference On Engineering Technology And Management In Digital Era
Date	25 th & 27 th February, 2019
Venue	DSATM

HOD's Signature

Principal's Signature

Objectives of the Program/ Event

To invite original research paper for presentation and publications
To provide a platform for sharing and learning original thoughts



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- The department of Management Science in association with LifeWay Tech India Pvt. Ltd., who was the co-organiser of the 1st International Conference of Engineering, Technology & Management in the Digital Era 2019 (ICETMDE-2019) was conducted between 25th to 27th February 2019, at the Seminar hall, M block, DSATM.

Measurable outcomes, w.r.t. realisation of Vision:

- The conference received a total of about 100 papers out of which 74 were shortlisted in the first round of screening, later after the second round of screening and plagiarism check 32 papers were selected to be published in SCOPUS/UGC approved journals





Department of Management Studies

Event Name	Training & Development
Theme	CEFL -Centre For English And Foreign Languages
Date	Jan-Feb 2019
Venue	DSATM

Objectives of the Program/ Event

- To focus on the oral communication & public speaking skills, grammar & comprehension, integration of verbal & Non-verbal communication, business communication.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- CEFL -Centre for English and Foreign Languages, had held a 30-hour course in English speaking & communication, for MBA 1st semester students. The resource persons were, Ms. Meena Arun, Ms. Kuhu & Mr. Irfan A.
- The course was delivered at the Language Lab, Heritage Block, DSCE Campus, Kumaraswamy Layout, Bengaluru. The course focused on the oral communication & public speaking skills, grammar & comprehension, integration of verbal & Non-verbal communication, business communication, which was given to students in free flowing and creative methods like, group presentation activities, discussions, extempores, involving maximum participation from the students.

Measurable outcomes, w.r.t. realisation of Vision:

- Students were able to speak proper English and were able to comprehend the sentences.





Department of Management Studies

Event Name	Seminar
Theme	Entrepreneurship Opportunities And Essential Skills
Date	4 th Jan 2019
Venue	DSATM

Objectives of the Program/ Event

- To promote Entrepreneurship Development among the students



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- The MBA and Civil engineering dept. of DSATM in association with VDM-Indian on the Move had jointly organised a One-day program “ENTREPRENEURSHIP OPPORTUNITIES AND ESSENTIAL SKILLS” .
- To promote Entrepreneurship Development among the students, on 4th January 2019 at Seminar Hall, 4th floor, M-Block, DSATM. The high-profile key note speaker was, Shri. C P Radhakrishnan, a former MP and currently the Chairman of the Coir Board, GOI.

Measurable outcomes, w.r.t. realisation of Vision:

- His lecture tried to foster the characteristics of entrepreneurship traits among the students.





Department of Management Studies

Event Name	Seminar
Theme	Capital Market Awareness And Investment Education Program
Date	30th November, 2018
Venue	DSATM

Objectives of the Program/ Event

- To conduct program for capital Market Awareness, Equity Investments, Mutual Funds and Financial Planning



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- A one day *Capital Market Awareness and Investment Education Program* was organized by the Department of MBA and **Bombay Stock Exchange-IPF** for the First semester MBA students on 30th November 2018.
- The session was delivered by Mr. Rahul who has domain expertise in Equity Research and Financial Planning. It was coordinated by Ms **KRUTIKA JAIN MEHTA, Asst. Vice-President, LotusKnowlwealth(LKW)**. T

Measurable outcomes, w.r.t. realisation of Vision:

- The topics covered in this Program include- Capital Market Awareness, Equity Investments, Mutual Funds and Financial Planning





Department of Management Studies

Event Name	Training & Development
Theme	Five Day Student Workshop & Certification Course In Advanced MS Excel
Date	13 th and 17 th November, 2018
Venue	DSATM

Objectives of the Program/ Event

- To enhance the employability skills of the participants through experiential learning techniques.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Five Day student workshop & *Certification Course in Advanced MS Excel* (for 30 Hours Duration spread across 5 Days) was conducted by MBA Department in association with Rareminds. Mrs. Subhashini Ramaswamy, Curator & CEO-RareMinds, along with other resource persons- Ms. Aruna and Ms. Smrithi form RareMinds imparted training, between 13th and 17th of November, 2018.
- This workshop intended to enhance the employability skills of the participants through experiential learning techniques.

Measurable outcomes, w.r.t. realisation of Vision:

- This course was delivered to Third Semester MBA students in order to enhance their technical and analytical skills for data analysis using MS-Excel





Department of Management Studies

Event Name	Faculty Development Program
Theme	3-Day FDP On-“Research Methods And Data Analysis Using IBM-SPSS & AMOS
Date	14 th to 16 th November, 2018
Venue	DSATM

Objectives of the Program/ Event

- To facilitate the researcher to use the latest techniques for research papers and doctoral thesis.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- A Three day FDP on-“*Research Methods and Data Analysis using IBM-SPSS & AMOS*” was organised by the Department of Management studies-DSATM in association with VTU-Belagavi between 14th and 16th November, 2018.
- The resource persons were, Dr. D. N Murthy Dean-Research and Marketing, Welingkar Institute of Management and Research, Bengaluru and Mr. M.M. Shankar, Management Consultant & Trainer, CARES Consultancy, Bengaluru

Measurable outcomes, w.r.t. realisation of Vision:

- Participants were able to learn and understand the IBM-SPSS & AMOS software packages.





Department of Management Studies

Event Name	Seminar
Theme	National Level Management Conclave On Technovations In Business Ecosystem
Date	25 th to 27 th October 2018
Venue	DSATM

Objectives of the Program/ Event

To understand the technical innovation and their impact in current business system.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Three day National level Management conclave on “Technovations in Business Ecosystem” was organised between 25th and 27th October 2018, in which many resource persons including Shri. Acharya Ajit Kumar, Chairman-VDM, India on the Move, Mr. Hari K Gandamneni from Venu Solutions, Mr. Pranav Kathale, Director-Risk Consulting, KPMG, Mr. Sunil Shah, CEO, SG Global solutions, Centre-India & European services, Romania, Ms. Uma Ravi Shankar & Ms. Savitha Subbaraya, Co-Founders, Evoluer Consulting Services, Mr. Abid Hussain, VP-Sales, Star Sports and Mr. Venkat Pochiraju, Regional VP-Sales RED FM India

Measurable outcomes, w.r.t. realisation of Vision:

- Participants were able to see and realise the recent innovation in the field of business.





Department of Management Studies

Event Name	Training & Development
Theme	Application Of Python Programming In Management
Date	3 rd October, 2018
Venue	DSATM

Objectives of the Program/ Event

- To impart Technical Skills, for the final year MBA students



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Orientation Session on Certification in “Application of Python Programming in Management” Prof. Srinivasan Laxminarayanan, Innovation Labs, DSU, on 3rd October, 2018, for review to conduct workshop for Certification to impart Technical Skills, for the final year MBA students.

Measurable outcomes, w.r.t. realisation of Vision:

- Students were able to learn new concept Python and were able to comprehend the same.





DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT

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

(6 Branches CSE, ISE, ECE, EEE, ME& CE Accredited 3 years by NBA, New Delhi)
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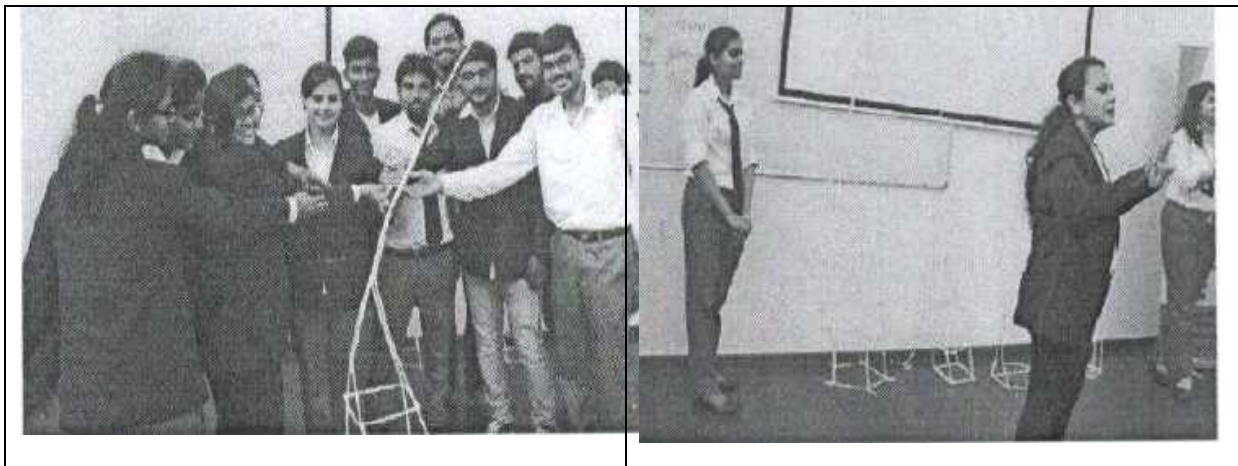


Department of Management Studies

Event Name	Training & Development
Theme	Certification in Digital Marketing, Professional Development and Entrepreneurship Development
Date	25 th , 26 th May & 5 th June 2018
Venue	DSATM

Objectives of the Program/ Event

To improve the public speaking skills, leadership skills , providing certification courses in Digital marketing , Professional development and Entrepreneurship Development.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- The intention of the session was to have the participants understand the importance of entrepreneurship for sustainable development, understanding the challenges of entrepreneurship
- Provide awareness about the digital marketing industry, their importance and gaining hand on experience.

Measurable outcomes, w.r.t. realisation of Vision:

- After the training program the students were able to track and monitor Digital marketing performance and also were able to plan and conceptualise and implement digital marketing strategies by themselves.



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Department of Management Studies

Event Name	Day National Level Inter-Collegiate Management Fest
Theme	Aavartan 2018 – Two-Day National Level Inter-Collegiate Management Fest
Date	19 th and 20 th , April 2018
Venue	DSATM

Objectives of the Program/ Event

- To provide a platform to the students for showcasing the talents and compete with other management college students.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- The Department of Management Studies, DSATM organized a Two – Day National Level Management Fest “Aavartan’18” on 19th and 20th of April 2018.
- The Fest witnessed five technical rounds – marketing, human resources, finance, business quiz and best manager events, several experience based activities rounds – photography, social media contest, treasure hunt, food panda, and dubs mash, and a scintillating range of cultural events like solo singing, solo dance and group dance.

Measurable outcomes, w.r.t. realisation of Vision:

- Effective level of coordination among the students and the faculty for smooth conduct of management fest.





Department of Management Studies

Event Name	CSR
Theme	DATRI Blood Stem Cell Donor Registry Drive
Date	26 th , March 2018
Venue	DSATM

Objectives of the Program/ Event

- To build awareness and enroll potential blood stem cell donors.
- To register anyone in the age group of 18-50 years can register as a volunteer donor, thereby taking the first step in saving a life.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- DATRI is a not-for-profit organization founded in the year 2009 with a mission to save lives of those suffering from life threatening blood disorders like Blood Cancer, Thalassemia, AplasticAnemia etc
- Mr. Raghu Rajagopal together with Dr.NezihCereb and Dr.Soo Young Yang of Histogenetics, a global leader in high resolution HLA typing, set up DATRI (meaning donor in Sanskrit) with a donor base of a mere 3000 donors in 2009.

Measurable outcomes, w.r.t. realisation of Vision:

- Every affiliated registry provides the HLA type of their registered donors without sharing any personal identifiable information. Transplant Physicians and registries across the world can search for a match for their patients on this BMDW platform.
- 73 participants registered as donors from the Department of Management studies





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Department of Management Studies

Event Name	Workshop
Theme	Workshop on The Science of Breath
Date	28 March, 2017
Venue	DSATM

Objectives of the Program/ Event

- To provide the importance of breathing and its value to the MBA students



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- A workshop by Swami Samarpanananda Giri of Prajnana Mission, Puri, Odisha on 28th March 2017 on “Kriya Yoga – The science of Breath”.
- In his elaborated explanations he stressed that the control of breathing will produce positive results like relief from stress and tension, improved concentration and overall improvement of physical and mental health.

Measurable outcomes, w.r.t. realisation of Vision:

- He demonstrated some techniques and made the workshop more interesting for management students.
- He also advocated that the control of breathing will improve overall personality.



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Department of Management Studies

Event Name	CSR
Theme	Cornea awareness program
Date	8.9.2016
Venue	DSATM

Objectives of the Program/ Event

- To provide an insight on eye donation and create an awareness on cornea safeguard.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- Mr. Vijay Kumar of Samadrusti Vikasa Kendra an NGO addressed the MBA students. He explained the problems faced by the blind people and stressed on the importance on eye donation. All the students have agreed to pledge their eyes for donating after the death.
- He concluded he talk by saying that one should not burn or burry the eyes which definitely give light to the other blind and needy persons.

Measurable outcomes, w.r.t. realisation of Vision:

- Created awareness about eye pledging.
- Created the social responsiveness
- Made introspect on human values





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Department of Management Studies

Event Name	Training & Development
Theme	Personality Development Programme
Date	11-04-2015
Venue	DSATM

Objectives of the Program/ Event

- To develop the conceptualising capacity of the students.



Details about the event:

(Purpose, about the topic, Resource person/ participants, Alignment with Vision/ Identification and addressing the GAP, Sponsorship or Funding Partner- if any)

- The enlightening session filled with information, and wisdom has reflected the long corporate journey of Prof. Thyagaraja.
- It has highlighted the energy and enthusiasm of the speaker. The session was also very helpful in developing the conceptualizing capacity of the students.

Measurable outcomes, w.r.t. realisation of Vision:

- The programme witnessed two sessions and mostly was interactive in nature. The resource person was successful in eliciting participation from all the participants thus ensuring the benefits of the programme reach all of them.
- There was a focus on interpersonal skills, communication skills, negotiation skills, transaction analyses and leadership styles.



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Department of Basic Sciences

Event Name	Recent Advances in Basic Sciences for Engineering Applications
Theme	Faculty Development Programme on Basic Sciences
Date	8-10 January 2018
Venue	Dayananda Sagar Academy of Technology and Management

Objectives of the Program/ Event

- To upgrade knowledge and enhance skills on Recent Developments in Basic Sciences



Details about the event:

- The programme was inaugurated in the 4th Floor Seminar Hall, A- Block on 8th January 2018 by **Mr H N Jayasimha**, Corporate Trainer (Chief Guest), **Sri Gali Swamy** (Secretary, MGVP Bengaluru (Guest of Honour)), **Dr. B. R. Lakshmikantha** (Principal) , Dr. **Sumithra Devi. K. A** (Dean Academics) and **Dr. C. Nandini** (*Vice Principal*)
- Three day Faculty Development Programme “**Recent Advances in Basic Sciences for Engineering Applications**” (FDP Nano-2018) endeavors to share profound insights in the area of Nano materials (including metals, metal alloys, composites, conducting polymers), Hybrid materials & Polymer Nano composites, CNTs and their processing, Characterization for device applications like batteries, sensors, Super capacitors, Fuel cells and Engineering oriented problems using MATLAB etc....
- The First Technical Session Chaired by Dr. K. Vijaya Kumar , Professor and HOD of Physics. The eminent scientists and academician Dr. Prasad Vishnu Botla, Professor- Dept. of Physics, Indian Institute of Science, Bangalore, delivered a talk on Field emission properties by using Nano structured materials for engineering device applications. Apart from that, he explored how to prepare carbon nano tubes by using different processing methods and their characterization by spectroscopic and microscopic techniques.
- In the Second Session, Dr. G. Shanker, UGC Professor from Bangalore University delivered an elaborative take on “Liquid Crystals : Self Assembled Hybrid Nano materials” for different engineering applications such as solid state batteries, Fuel cells, super capacitors , electrochemical devices and energy harvesting devices.
- In third session, resource person Dr. M.Pandurangappa started his discussion with very basic idea of concept of Nanomaterial’s , Synthesis and characterization techniques. He shared few important aspect pertaining to chemical modifications of Carbon Nanotubes. He highlighted the subject of discussion in recent years on Carbon nanotubes and also addressed their diversified structures, properties and variety of applications. He conveyed his knowledge on Chemically modified carbon nanotubes for the detection of a wide variety of analyte molecules from all domains and also explained their widespread application in sensor technology, catalysis, drug delivery agents and as a composite material in high engineering applications.
- In the fourth session, resource person Dr. D. H. Nagaraj focused on the type of sensors and its working principles. He also shared his knowledge on different types of electrochemical techniques used in the development of a sensor for different

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application. Further he discussed the main challenges that we need to overcome in order to fully realize the exceptional properties of nanomaterials in environmental applications especially in the areas of air & water quality, reduction of toxic compounds, and improved homeland security in the future. He also explained how the nano based sensors were using in the detection of minute amounts of pollutants in the environment with an example of PANI-Graphene oxide sensors.

- Next two sessions were conducted in the CAED LAB, 1st Floor, A Block with the Resource persons, Dr.Gayathri.M.S and Dr.Chandrashekara.G, Faculty of BMSCE, Bengaluru giving an insight about SCILAB and its applications, difference between MATLAB and SCILAB and solving engineering problems using these tools. It was a hands on experience with the resource persons helping the participants to solve engineering problems using SCILAB. Worksheets were provided by the Resource persons to the participants to solve so that they could have a better command about the concepts being taught.
- Thirty participants attended the FDP and received good feedback from participants.

Measurable outcomes, w.r.t. realisation of Vision:

- FDP helped participants in acquiring good knowledge of recent research work in different fields.
- Participants acquired knowledge on solving engineering problems using SCILAB

HOD's Signature

Principal's Signature





Department of Basic Sciences

Event Name	Recent trends in Nanoscience and Technology for Engineering Applications
Theme	Faculty Development Programme on Basic Sciences
Date	7-9 March 2019
Venue	Dayananda Sagar Academy of Technology and Management

Objectives of the Program/ Event

- To upgrade knowledge on Recent Developments in Basic Sciences



Details about the event:

- The program was inaugurated in the 4th Floor Seminar Hall, A- Block on 7th March 2019 with **Dr. Kuldeep Singh Rana**, CPRI, Bengaluru (as Chief Guest) in the presence of Dr. **Sumithra Devi. K. A** (Dean Academics), **Dr. C. Nandini.** (*Vice Principal*), Staff and students of DSATM.

The sessions were conducted in 4th Floor Seminar Hall, A- Block as per the schedule.

- In first session on 7/3/2019, **Dr. Kuldeep Singh Rana**, Scientist-CPRI, delivered talk on “The emerging Role of Battery Energy storage Technologies in Future Power & Transportation Applications”. In this session participants learnt about the new energy storage techniques used in various fields.
- In second session on 7/3/2019, **Dr. Krishna Jyothi Nathella**, Center for Nanoscience and Technology, KL University, delivered an interactive lecture on “Gel polymer electrolytes for solid state battery applications”. In this session participants learnt about using various types of polymers as electrolytes in batteries which will improve efficiency of batteries as well as reduce the cost of Production.
- In first session on 8/3/2019, An informative lecture “Waste to wealth based nanotechnology and its application” was discussed by **Dr. Gurumurthy Hegde** R&D Head , BMSCE, Bangalore. In this session participants learnt about waste management and clarified their doubts on the same. Speaker inspired the participants to work on waste management for better and cleaner and greener India.
- In second session on 8/3/2019, **Dr. Chandra Sekhar Rout**, Center for nanoscience and Technology, Jain University, Bangalore delivered a lecture on Nano structured materials for micro super capacitors and chemical bio sensors. He also shared his knowledge on different types of electrochemical techniques used in the development of a sensor for different application. He also explained how the nano based sensors were using in the detection of minute amounts of pollutants in the environment.
- In first session on 9/3/2019, **Dr. G. Shanker**, Bangalore University delivered a talk on Chromonics and Thermotropic room temperature LC templates for synthesis of nano materials. In this lecture, speaker delivered on different methods for synthesis of Nano Materials.
- In second session on 9/3/2019, **Dr. Venkata Ratnam Kamma**, MNIT, Jaipur, delivered a talk on “Development of Lanthanide doped $\text{Li}(\text{NiZn})\text{O}_2$: $\text{Ln}(\text{x})$ Nanometal oxide composite as new Cathode material in high capacity Li-ion Batteries for naval applications”. Speaker explained the usefulness of using this new composite as Cathode which improves the capacity of Battery.

- Twenty participants attended the FDP and received good feedback from participants.

Measurable outcomes, w.r.t. realisation of Vision:

- FDP helped participants in acquiring good knowledge of recent research work.
- The topics of the lectures were relevant and gave an opportunity to enhance the knowledge about synthesis and application of different Nanomaterials.

HOD's Signature

Principal's Signature





Department of Basic Sciences

Event Name	Recent trends in Science for versatile Engineering Applications
Theme	Faculty Development Programme on Basic Sciences
Date	25-27 July 2019
Venue	Dayananda Sagar Academy of Technology and Management

Objectives of the Program/ Event

- To impart knowledge on applications of developments in Basic Sciences in Engineering fields.



Details about the event:

- The program was inaugurated in the 4th Floor Seminar Hall, A- Block on 25th July 2019 by **Dr. Gopal krishna Hegde**, Professor, IISc, Bengaluru (as Chief Guest) in the presence of **Dr. B. R Lakshmikantha** (Principal) **Dr. Sumithra Devi. K. A** (Dean Academics), **Dr. C. Nandini.** (*Vice Principal*), HODs of various departments and Staff of DSATM.
- **Dr. Gopal krishna Hegde**, Professor, CeNSE, IISc, Bengaluru, delivered talk on “Nano Fibre technology : Current status and Future prospects”. In this session participants learnt the application of nanomaterials and nanotechnology to enhance the efficiency of devices for future applications.
- **Sri. Rajeev Deekshit**, Founder and CEO of Pyro Eco-green technologies Pvt. Ltd., Bengaluru, delivered an interactive lecture on “**Waste to wealth** ”. In this session participants learnt about waste management and clarified their doubts on the same. Speaker inspired the participants to work on waste management for better and cleaner and greener India.
- An informative lecture on “**ADI method for solving two-dimensional non-linear Burger’s equation**” was discussed by **Sri. Ramesh Basappa Kudenatti** . Prof., Dept of Mathematics, Bangalore Central University, Bengaluru. In this session participants learnt the method of obtaining the solution of the above said equation.
- Continued the lecture on “**ADI method for solving two-dimensional non-linear Burger’s equation**” **Sri. Ramesh Basappa Kudenatti** . Prof., Dept of Mathematics, Bangalore Central University, Bengaluru. In this session participants learnt the conversion of coupled equations to decoupled equations and obtain their solutions.
- **Dr. Nandakumar Sundarmoorthy**, Senior Scientist, Stellis Biopharma. delivered a talk on “High-throughput technologies in Pharmaceutical applications”. The session starts with High definition mass spectrometry and discussion about mass measurement accuracy, DIA, DDA, RB trap and Ion mobility separation, also the discussion about High-throughput immunological methods etc.
- **Dr. B. K Bettadaiah** , Sr.Scientist, SFS Department, CSIR-CFTRI, Mysore, delivered a talk on “ Food colorants and flavorants and importance of their molecular modifications”. The session was very much interesting with live examples , it was about color pigments, Reason for addition of colors to the food, Plant pigments as food colorants, Natural food colorants, Phenolic compound as colorants, Flavonoids , its classification and Flavonoids skeleton, Anthocyanins as Food colorants, Anthocyanins

in food and beverages, Betalains, Pigments as colorants-challenges, volatile oils, Fixatives and Bioactivity of Zerumbone etc.

- Thirty seven participants attended the FDP and received good feedback from participants.

Measurable outcomes, w.r.t. realisation of Vision:

- FDP helped participants in acquiring good knowledge of recent research work .
- The topics of the lectures were relevant and gave an opportunity to enhance the knowledge.

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