

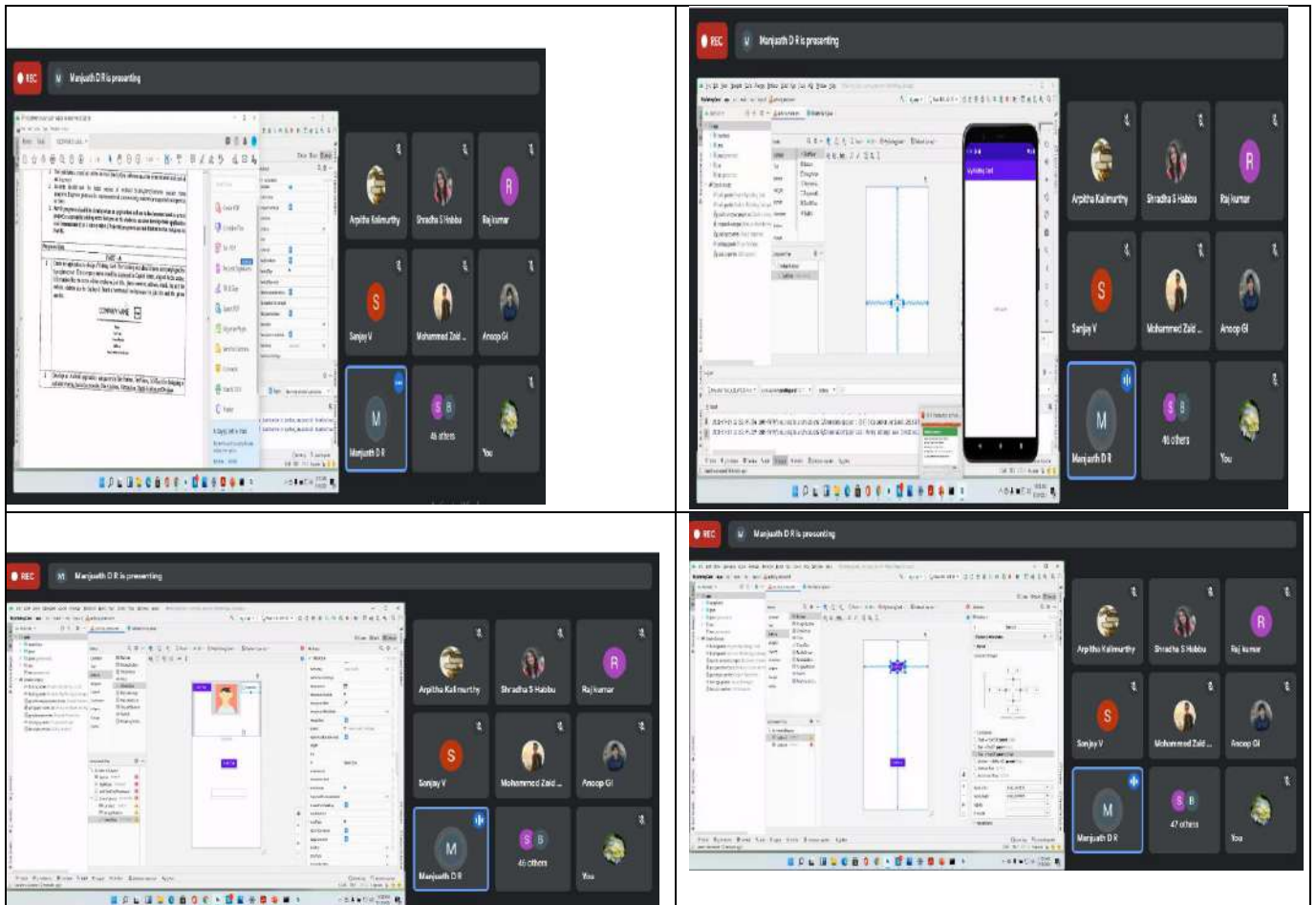


Department of Computer Science And Engineering

Event Name	Workshop on Mobile Application Development
Theme	Workshop
Date	19-07-2021 to 21-07-2021
Venue	DSATM & Google meet

Objectives of the Program/ Event

- What are the uses of Android Development Tools?
- Brief about the Installation and Functionality of Android Studio
- Folders and File Manipulation inside Android Studio
- Description about the Lab exercises of Mobile App development (18CSMP68)
- Hands on session of lab programs i.e creating the visiting card and building a simple Calculator.





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Department of Computer Science And Engineering

Purpose: Android Development Tools and Functionality of Android Studio allows students increasing the visiting card and building a simple Calculator

About the Topic: Workshop on Mobile Application Development for Pre-final year students. During 19-7-2021, 20-7-2021, 21-3-2021 online Google Meet platform

Resource person/ participants: Dr. Manjunath.D.R Assistant Professor, CSE Dept. DSATM. Anoop G.L Assistant Professor, CSE Dept. DSATM. For 6th Semester Students Dept of Computer Science & Engineering

Vision: The Mobile Vision API provides a framework for students for finding objects in photos and video. The framework includes detectors, which locate and describe visual objects in images or video frames, and an event driven API that tracks the position of those objects in video. Currently, the Mobile Vision API includes face, barcode, and text detectors, which can be applied separately or together

Identification and addressing the GAP: Adopting the current Industry driven technologies and modern tools for design and modelling engineering activities

Measurable outcomes: Create, Test, & debug Android Application by setting up android development environment. Implement Adaptive, responsive user interfaces that work across a wide range of devices. Infer long running task & background work in android applications. Demonstrate methods in storing, sharing & retrieving data in Android Application



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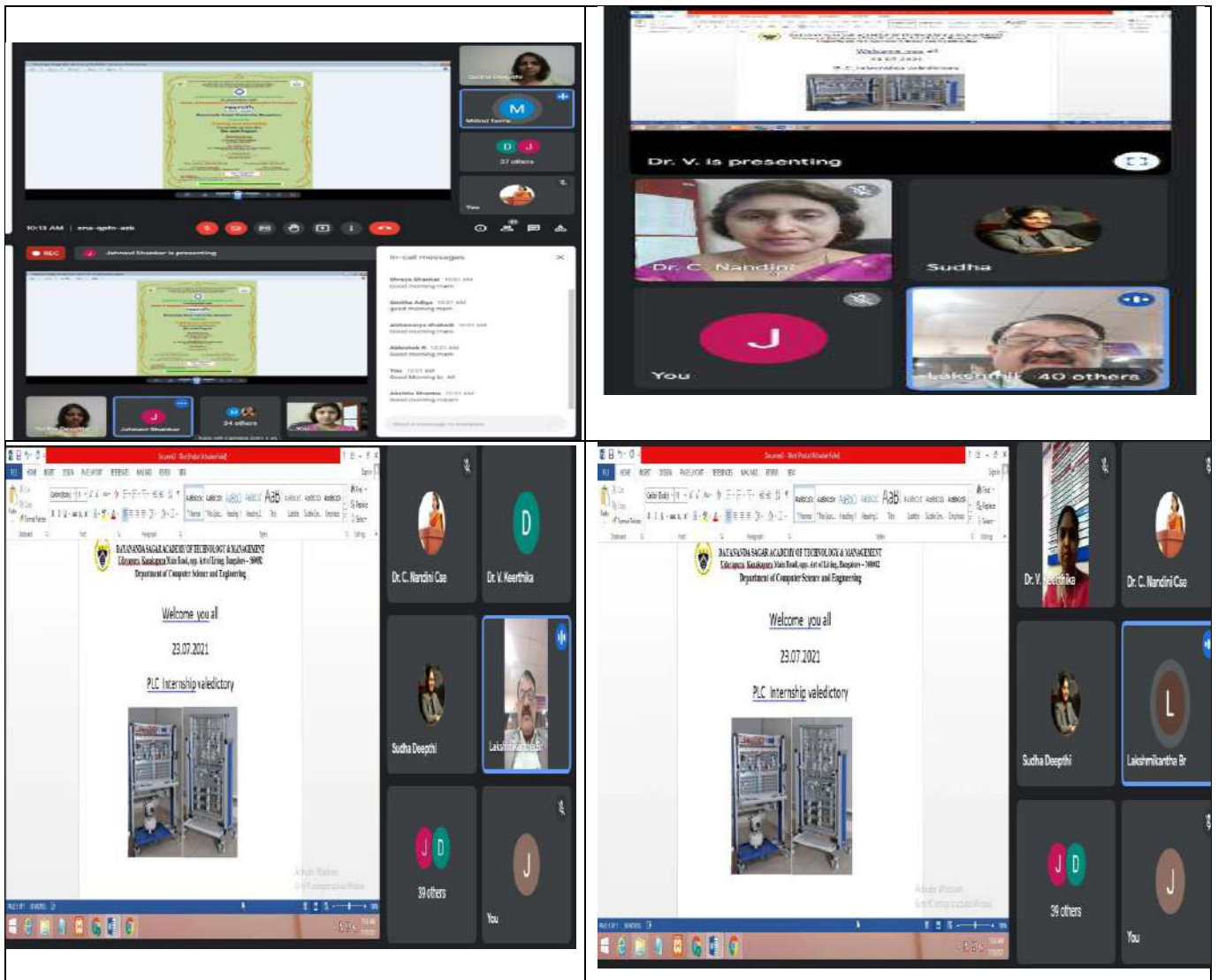


Department of Computer Science and Engineering

Event Name	Training cum Internship on Programmable logic controller (One month)
Theme	Training cum Internship
Date	25/06/2021 to 23/07/2021
Venue	DSATM & Google meet link : https://meet.google.com/ena-qpfn-azk

Objectives of the Program/ Event:

- Students will be able to explain the basic concepts of a Programmable Logic Controller.
- Students will be able to state basic PLC terminology and their meanings
- Students will be able to explain and apply the concept of electrical ladder logic, its history, and its relationship to programmed PLC instruction



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Department of Computer Science and Engineering

Purpose: Training cum Internship on Programmable logic controller allows students to enhance their broad understandings of a topic or a problem

About the Topic: Training cum Internship on Programmable Logic Controllers (One month Program).
By Ms. K. SudhaDeepthi Asst. Manager, Bosch Rexroth Innovation Lab, DSU,
Mr.MilindTavre Asst. Manager, DCIN/SSD (Drive & Control Academy) Bosch Rexroth India Pvt. Ltd.
Using Platform Google meet link:<https://meet.google.com/ena-qpfn-azk>

Resource person/ participants:Ms. K. SudhaDeepthi Asst. Manager, Bosch Rexroth Innovation Lab, DSU, Mr.MilindTavreAsst. Manager, DCIN/SSD (Drive & Control Academy) Bosch Rexroth India Pvt. Ltd.6th Semester Students dept of Computer Science & Engineering

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 Industry driven technologies and modern tools for design and modelling engineering activities

Measurable outcomes:Students will be able to describe typical components of a Programmable Logic Controller. Students will be able to explain the basic concepts of a Programmable Logic Controller. Students will be able to state basic PLC terminology and their meanings. Students will be able to explain and apply the concept of electrical ladder logic, its history, and its relationship to programmed PLC instruction. Students will be able to explain the concept of basic digital electronics and data manipulation. Students will be able to use timer, counter, and other intermediate programming functions. Students will be able to design and program basic PLC circuits for entry-level PLC applications. Students will be able to design and program a small, automated industrial production line



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Department Of Computer Science And Engineering

Event Name	Workshop on RPA in association with Blue prism University
Theme	Workshop
Date	22 nd to 28 th April 2021.
Venue	DSATM, Bangalore

Objectives of the Program/ Event

- To give insights to students about the relation between RPA & Blue Prism.
- The information about Features of Blue Prism, What can be Automated, Different RPA Tools
- The prominent role of them in RPA Life Cycle, McKinsey Report on RPA
- To give insights about RPA Effectiveness in solving the real world problems

What is RPA

- **Robotic** are entities that mimic human actions are called Robots.
- **Process** is a sequence of steps that lead to meaningful activity. For example, the process of making tea or your favorite dish, etc.
- **Automation** is any process that is done by a robot without human intervention.

In a Nutshell

Mimicking human actions to perform a sequence of steps, leading to meaningful activity, without any human intervention is also known as **Robotic Process Automation**.



Different RPA Tools

Leading IT robotic automation RPA vendors



What is

BLUE PRISM is a UK-based software development company in the field of Robotic Process Automation, established in 2001

Using Blue Prism, software robot which helps to automate clerical back office processes that work exactly like a human.

Enables business operations to be agile and cost effective by automating, manual, rule-based, repetitive back-office processes and improving accuracy by developing a "Digital Workforce."

The Blue prism tool offers flow chart like designer with drag and drop feature to automate each step of the business processes.

RPA Developer Skill & Pay Package

The role

- Design, development & implementation of RPA systems
- Documentation & QA

Background

- Computer science degree
- Certifications
- Previous experience with Blue Prism or UiPath

Skills

- Tech knowledge on automation tools
- Programming: C#, Java, C++

Salary

Junior: \$ 85,000
Average: \$ 100,000
Top: \$ 132,000



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Department Of Computer Science And Engineering

Purpose: Blue Prism Academia Program enables instructors at academic institutions to deliver authorized Blue Prism courses in a variety of settings. Students can jump-start their career and RPA knowledge with coursework through a global network of colleges and universities, and through online certification opportunities, hands-on labs, and other Blue Prism learning resources

About the Topic: Workshop on Blue Prism Using RPA was conducted by Mrs.Chaitra Y.R.Ast.Prof. CSE department DSATM on Date: 22nd to 28th April 2021 for 8th Sem & 6thsem. Zoom Meeting: <https://us04web.zoom.us/j/8646075607?pwd=RUdmZnBONy9YR1lqY1N3RmpjMGRLdz09>

Resource person/ participants: Mrs.ChaitraY.R Asst.Prof. CSEdepartment DSATM. 8th and 6th Semester Students dept. of Computer Science & Engineering

Vision:Blue Prism Certification Program.Have invested and created the world's most robust connected-RPA certification program. The Certification Program provides visibility of the breadth and depth of Partners' capabilities as well as enabling them to differentiate based on their Blue Prism proposition.

Identification and addressing the GAP: Adopting the current Industry driven technologies and modern tools for design and modelling engineering activities

Measurable outcomes: The students were able to do blue prism Installation Process. The students were interested in doing Hand on Activity. The students understood basic concepts of RPA



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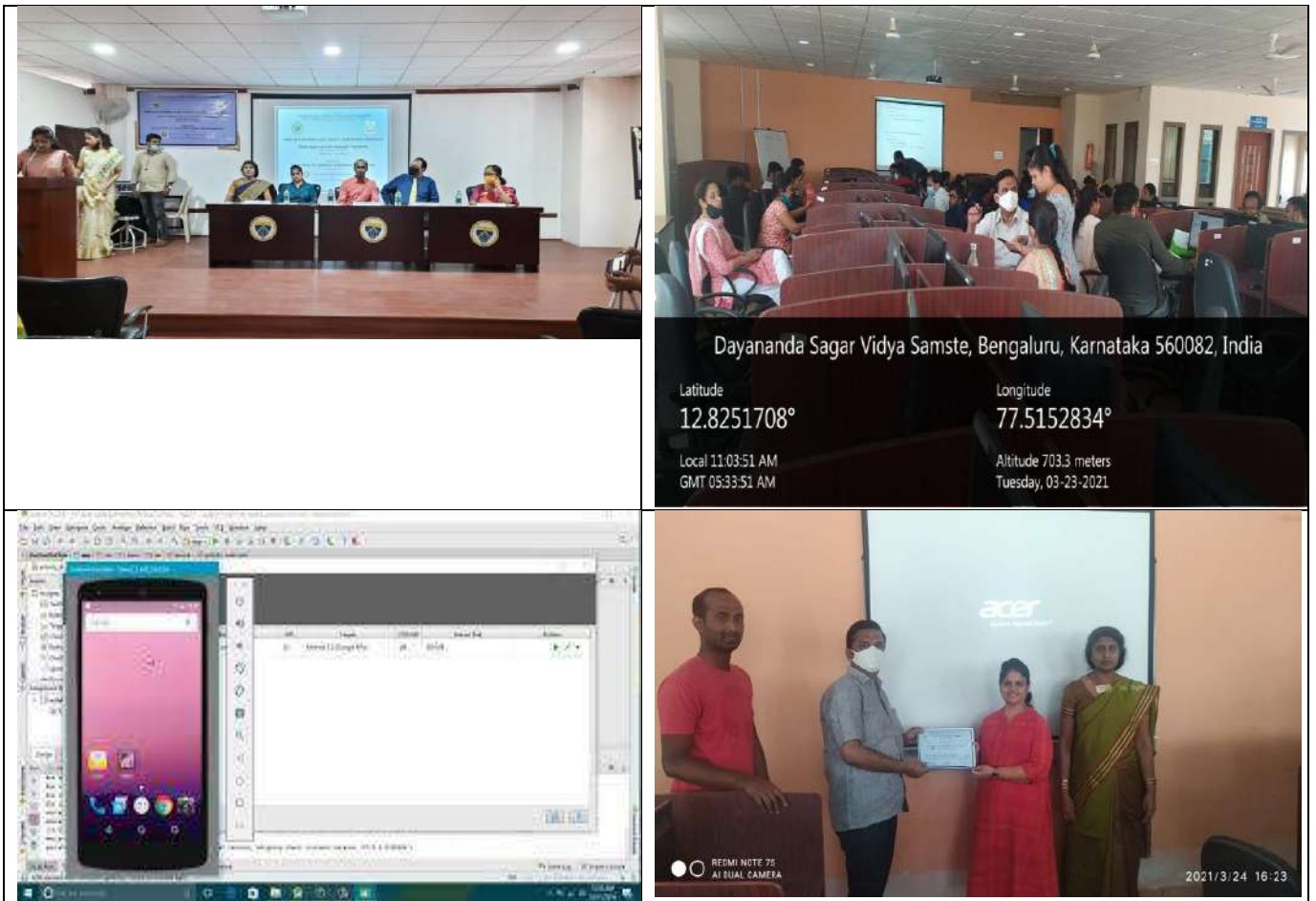


Department of Computer Science And Engineering

Event Name	National Level FDP on Mobile Application Development in Association with VTU & CSI-Bangalore chapter
Theme	Faculty Development Programme
Date	22-03-2021 to 24-03-2021
Venue	A block, 3 rd floor, Room No:305,CSE DSATM, Bangalore

Objectives of the Program/ Event

- What are the uses of Android Development Tools?
- Brief about the Installation and Functionality of Android Studio
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Department of Computer Science And Engineering

Purpose: Android Development Tools and Functionality of Android Studio allows students increasing the visiting card and building a simple Calculator

About the Topic: Faculties across the colleges. In Association with VTU & CSI-Bangalore chapter

During 22-03-2021 to 24-03-2021 in A block, 3rd floor, Room No:305, CSE DSATM, Bangalore

Resource person/ participants: Mr. Sachin and Mr. Nithin Kumar, Google Certified Associated Android Developer and Trainer, Vidyavardhaka College of Engineering, Mysore

Vision: The Mobile Vision API provides a framework for students for finding objects in photos and video. The framework includes detectors, which locate and describe visual objects in images or video frames, and an event driven API that tracks the position of those objects in video. Currently, the Mobile Vision API includes face, barcode, and text detectors, which can be applied separately or together

Identification and addressing the GAP: Adopting the current Industry driven technologies and modern tools for design and modelling engineering activities

Measurable outcomes: Create, Test, & debug Android Application by setting up android development environment. Implement Adaptive, responsive user interfaces that work across a wide range of devices. Infer long running task & background work in android applications. Demonstrate methods in storing, sharing & retrieving data in Android Application



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Department of Computer Science And Engineering

Event Name	AI in Cyber security certification program for BATCH-2
Theme	Training on “ AI in Cyber security certification program ” Conducted by national cyber defence research centre(NCDRC)
Date	03.02.2021 to 05.02.2021
Venue	A block, 3rd floor, Room No: 305, CSE, DSATM

Objectives of the Program/ Event:

- Make students to learn how to make a use of algorithms in Cyber security
- How to Add flavour of AI in cyber security domain



Purpose: Use of algorithms in Cyber security allows students to enhance their broad understandings of a problem & How to add flavour of AI in cyber security domain



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Department of Computer Science And Engineering

About the Topic: Continuation of AI in Cyber security certification program for BATCH-2 in Association with National Cyber Defence Research Centre(NCDRC). By Dr.Lakshmana Kumar Ramasamy, Director - R& D (AI) in a Canadian based company (ASIQC) in Vancouver region of British Columbia, Canada, on February 3rd 2021 in 3rd floor COE Lab.

Resource person/ participants: Dr LAKSHMANA KUMAR RAMASAMY, Director - Research & Development (AI) in a Canadian based company (ASIQC) in Vancouver region of British Columbia, Canada. For 8th Semester Students Dept of Computer Science & Engineering.

Vision:It provides a national platform for students has embarked on setting up cyber security research centres across India, with the objective of conducting research, training and hands on lab environment for universities, industry and professionals. These research labs will also be involved in detecting, analysing and preventing cyber threats/ attacks and forensics.

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

Measurable outcomes: Hands on session in bringing a model using sample dataset, Explored to R Lang.R Syntax with problem analysis and ML models in Azure



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Department of Computer Science and Engineering

Internal Quality Assurance Cell - IQAC

Event Name	Student Project Symposium
Theme	Project Symposium
Date	19/12/2020 at 10.00 am
Venue	CSE Department, DSATM

Objectives of the Program/ Event:

- Highlight the students understanding of the latest technologies / research developments in the field of Computer Science and Engineering and obtain valuable inputs from experts.
- Foster interaction among students, faculty members and professionals for exchange of ideas, discuss state of the art tools and suggest improvements for solving complex Engineering problems.
- Create a platform for inclusive growth of the students and mould them as professionals.



Details about the event:

Department of CSE in Association with CSI Bangalore Chapter has organized Students Project Symposium on December 19th 2020 in CSE, DSATM.

Committee Members:

- **Shivani P R**, Alumni, Software Engineer, Surya Soft, **Rajeshwari R**, Alumni, Software Engineer, Accenture, **M Kumar Shrivastav**, Alumni, Software Engineer, Surya Soft, **K S Ashrith Kashyap** Alumni, Software Engineer, Empower Retirement.

Participants: out of 125 students 51 presented offline, remaining 74 will be presenting on 24th Dec 2020

Measurable Outcomes:

- Presented the results of their efforts to solve engineering problems
- Demonstrate a sound technical knowledge of their selected project topic



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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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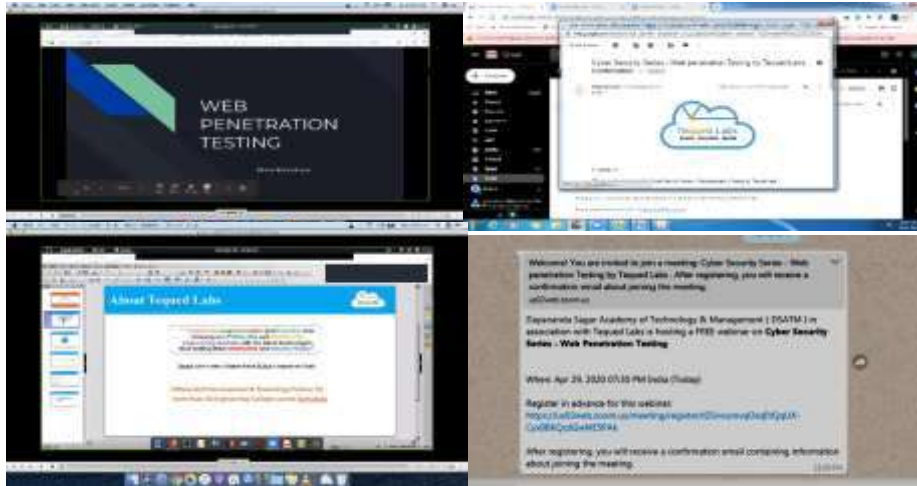
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Department of Computer Science & Engineering

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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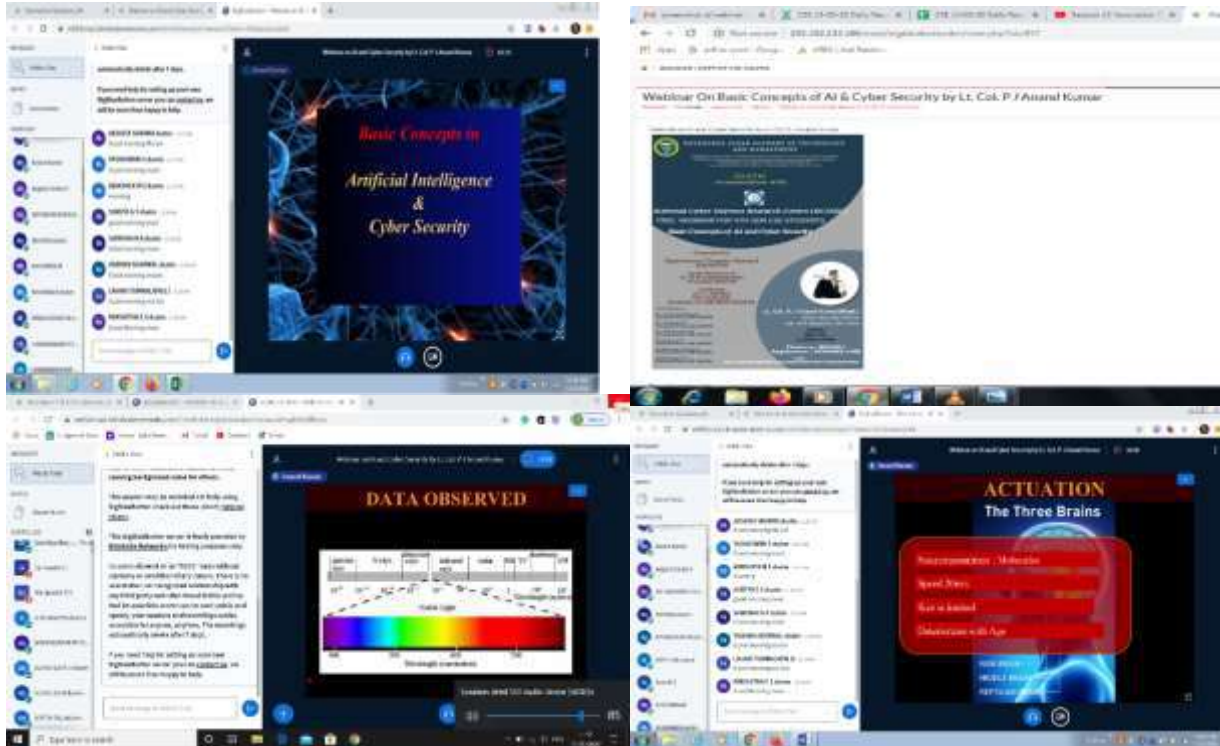
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Department of Computer Science & Engineering



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



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.

ONE, DSATM welcomed the gathering to the inauguration and presented the report for the previous Research Work. Guest of Honour Dr. Manjunath S. B. IISc, Bangalore, ISTE, New Delhi, invited various educational work done by ISTE with various institutions and various organizations worldwide and by ISTE. One of the seminar process and chief guest of Inauguration Professor Dr. M. H. Bala Subramanya, Professor, IISc, Bangalore addressed the gathering about need of quality research in education and education improvement of the Nation. Followed by presentation address by Dr. K. B. Lakshminarayana, Principal, DSATM. The inauguration event, Inauguration & Closure were presided in the event. Prof. Anil Kumar, Chairman of CSE program, VIT-IT, Bangalore, Prof. Indira S and Prof. Vinod Kumar S & concluded the workshop.



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.