



DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082
(Affiliated to Visvesvaraya Technological University, Belagavi and Approved by AICTE, New Delhi)
(CSE, ISE, ECE, EEE, ME& CE Courses Accredited by NBA, New Delhi)



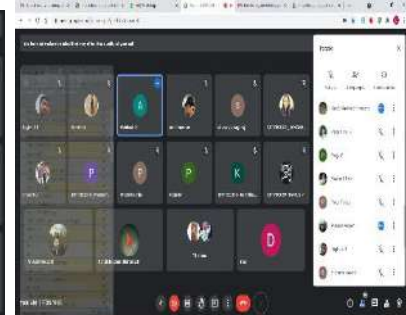
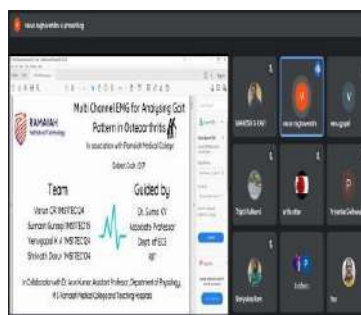
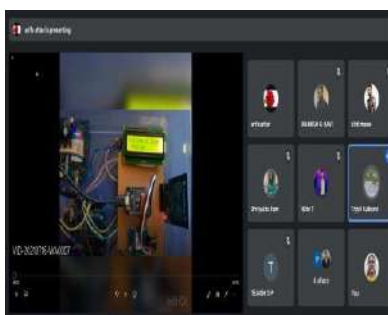
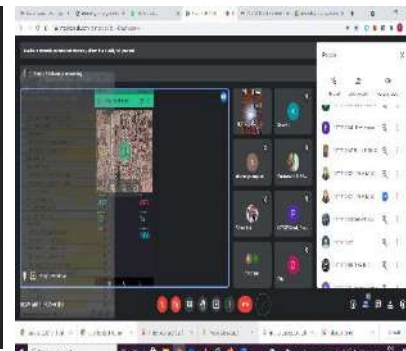
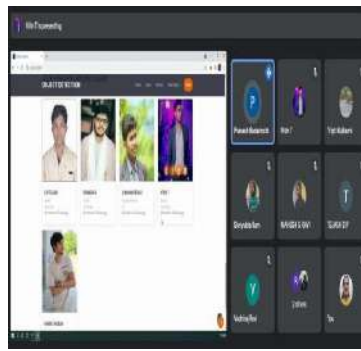
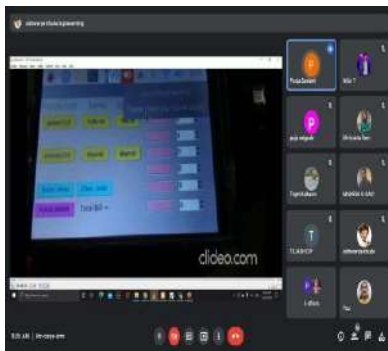
Department of Electronics and Communication Engineering

Intercollegiate Project Competition (IPC)

Event Name	Intercollegiate Project Competition (IPC)
Theme	Online Project Competition
Date	17/07/2021
Venue	Dayananda Sagar Academy Of Technology & Management (Online Mode)

Objectives of the Event:

- To create a platform to highlight various skills related to practical project demonstration delivery.
- To develop ability to decision and judgement regarding a problem, which gives exposure for innovative projects, to carry out interdisciplinary projects and to become an entrepreneur.



“Plant more Trees, Save Water, Save Electricity, Avoid Plastics, The world is in your Hands”

Purpose: To foster the technical creativity and its application among students of various colleges will continue to prove beneficial for building a healthy educational profile for budding engineers.

About the Event:

Intercollegiate Project Competition has been the first project competition conducted in the department of ECE, DSATM inviting various colleges on July 17th,2021.

The following event has been conducted as,

The event commenced at 10 a.m. after the felicitation of the judges, with the participating project teams eager to present their project demonstrations. There were 11 external teams registered from various engineering colleges and 28 internal teams registered and participated in Intercollegiate Project Competition. It was indeed a sea of brilliance, as team after another came forward armed with incredible, original prototypes, research papers and advancements. Fielding question after question by the judges, the students displayed their undying thirst for knowledge, showcasing their immense interest and the astonishing amount of effort and research put into each of their individual presentations.

Resource persons:

1. Mr. Mahesh GR, Senior Engineer-Design, Eximus Design-Wipro Company, Bangalore.
2. Ms. Sharanya N, VLSI Verification Engineer, Wipro, Bangalore.

Vision:

The greatest vision of this competition is to provide an enriching experience of dual tasking i.e. creative lawyering and innovative judging, to all students.

Identification and addressing the GAP: Adopting the current technologies and modern tools for designing and modelling engineering activities by encouraging students to explore the technical skill sets among other college project teams, so as to bridge the gap between the academic studies and industry expectation through their senior budding engineers.

Measurable Outcomes:

- Technical skill set of students were explored.
- Students analyzed the recent year papers as survey, reviewed many papers to identify advantages, disadvantages, applications, observations and take away points for their project.
- Students were successful in identifying problems, setting their objectives, solving the problem by framing methodology and integrating technologies.
- Students were successfully demonstrated their project online.
- Students could explore new avenues in their fields with the able guidance of the guest.
- First three best projects were identified, given the appreciation E Certificates, and which were given to all participating teams also.



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Department of Electronics and Communication Engineering



Event Name	Project Symposium
Theme	Project Phase 1 presentation
Date	19/12/2020
Venue	B Block, 210

Objectives of the Program/ Event:

This event creates a platform to showcase skills related to their project and even allow students to showcase the presentation, soft and technical skills.

Photos:



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Purpose: To foster the technical creativity and its application among students will continue to prove beneficial for building a healthy educational profile for budding engineers.

About the topic: The following event has been conducted as,

The event commenced at 9.30 a.m. after the felicitation of the judges, with the participating project teams eager to present their ideas and innovations. It was indeed a sea of brilliance, as team after another came forward armed with incredible, original prototypes, research papers and advancements. Fielding question after question by the judges, the students displayed their undying thirst for knowledge, whilst showcasing their immense interest and the astonishing amount of effort and research put into each of their individual presentations.

Resource persons:

1. Ms. Kruthika G, SCM specialist, ABB Powergrids, Bangalore.
2. Syed Sameer Pasha, Application Development Analyst, Accenture, Bangalore.

Address of the GAP: Encouraging students to explore the technical skill sets, so as to bridge the gap between the academic studies and industry expectation through their senior budding engineers.

Outcomes of the Symposium:

- Technical skill set of students were explored.
- Students analysed the recent year papers as survey, reviewed many papers to identify advantages, disadvantages, applications, observations and take away points for their project.
- Students were successful in identifying problems, setting their objectives, solving the problem by framing methodology and integrating technologies.
- Students could explore new avenues in their fields with the able guidance of the guest.



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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
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- 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:

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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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