



MOODABIDRI (An ISO 9001:2015 Certified Institution)

(A unit of Rajalaxmi Education Trust®, Mangalore)

Capacity building and skills enhancement initiatives taken by the Institution

ICT/ COMPUTING SKILLS Index

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ICT/COMPUTING SKILLS

ICT tools contribute to high quality lessons since they have potential to increase student's learning capabilities. The institute has state of art infrastructure with fully equipped classrooms to provide adequate facilities for teaching-learning. The classrooms are equipped with LCD projectors and smart boards. Multiple platforms like Zoom, Google meet, Google classroom, Edmodo have been used by teachers at the institute to communicate and to impart knowledge to the students. The use of innovative methods in educational institutions has potential not only to improve the quality of education but also to empower people, strengthen governance and galvanize the effort to achieve the human development goal for the country.

Various activities at department levels such as hands on session on current technologies in various domains, workshops, technical talks ,webinars enable the student to enhance the practical knowledge and develop their computing skills. Computing skills programmes bridges gap in curriculum.



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5.1.3-ICT/Computing Skills (2019-2020)

Sl No	Name of the capacity development and skills enhancement program	Name of the agencies/consultants involved
1	Web Application Development using Angular and Node JS Framework	Mr. Sudesh Shetty, The Web People.
2	Web Application Deployment in Cloud Platform	Mr. Karan MV, Automation Anywhere Software Pvt Ltd.
3	Introductory Hands-on Session on Git & GitHub	Mr. Arpith, Final Year Student of Computer Science & Engineering, MITE.
4	Containerization & Deployment of Web Applications to the Cloud Platform using Docker	Mr. Karan MV, Automation Anywhere Software Pvt Ltd.
5	Hardware Connectivity with MATLAB & Simulink	Mr. Tabrez Khan, Math Works India
6	Real Time Applications of Embedded Systems	Dr.Mahantesh R. Choudhari, MARC Edu-Tech Solutions.
7	Hands-On Electronic Prototyping and Debugging	Mr. Edwin Thankachan, Circuitzpro.
8	Two-day innovation Boot Camp on IOT Applied to various domain	Mr. Jagmohan Meher, Engineer at Skyfi labs.
9	Report for workshop on IOT to sustainable Technologies	Mr. Shreyas K & Mr. Adithya FluxGen Technologies.
10	Workshop conducted by SAE collegiate Club of MITE	Mr. Girish Babu GUTS Mechademy & Mr. Harish Shenoy
11	MATLAB based mechanical engineering application	Dr. M Nandakatti and Dr. Arun Kumar P Professor GIT
12	Applications of CAD Tools in the Field of Mechatronics	Mr. Vinod Kumar K, CADD Centre.



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Department of Computer Science and Engineering

Date: 25-10-2019

NOTICE

CORE is organizing a one day workshop on "Web Application Development using Angular and Node JS Framework" on 26/10/2019 at Network Lab 1st Floor. All the computer science & Engineering students those who are registered for the program are directed to attend the same.

Core Staff Coordinator

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MITE Schulzer

Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri-574225

Title: Workshop on Web Application Development using Angular and Node JS Framework

Resource Person(s)/ Organization(s): Mr.Sudesh Shetty, Chief Technical Officer, The Web People, software Startup, Puttur

Educational Qualifications

• B. E from VCET, Puttur

Areas of Interest

- Angular JS
- Node JS
- Android Programming
- · Java programming
- Machine learning

Date(s): 26 Oct 2019

Duration: One Day.

Target Audience: Computer Science Students

Brief about the event:

A One Day Workshop by Mr.Sudesh Shetty, Chief Technical Officer, The Web People, software Startup, Puttur has enlightened the students on the fundamentals of web application development. The popularity of internet and web based applications for different successful business outline the need of insights on different web application development framework. The acquired knowledge on web application development would help the students to develop their own web applications for different problems and engage themselves in web application development business sector.



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Keynotes from the address:

Mr.Sudesh Shetty, Chief Technical Officer, The Web People, software Startup, Puttur, delivered a one day workshop on "Web Application Development using Angular and Node JS Framework" for CSE Students. The workshop was conducted in two sessions. In the morning session, the speaker addressed about basics of web application development. In the afternoon Session, the speaker conducted practical hands on session on different web application programs and its impact on web application user interface and also discussed about the web application backend development.



Figure 1. Hands-on session on web application programs and its impact on web application user interface by Mr. Sudesh Shetty



MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING (An ISO 9001:2015 Certified Institution)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, Accredited by NBA

ONE DAY WORKSHOP ON
Web Application Development
using
Angular and Node JS Framework
BY
Mr.Sudhesh Shetty
ON 26-10-19

PARTICIPANT – ATTENDANCE

SI.No	USN	NAME	Section	Student Signature (Morning Session)	Student Signature (Afternoon Session)
1.	4MT17CS007	Aishwarya K	5CS1	Sishmeepk	الماليد البو
2.	4MT17CS028	Bindiya CM	5CS1	Bindiya	Birdiga
3.	4MT17CS041	Gauthami	5CS1	Aishneepk Bindiya Gauthami	والمدارس وأسالية المساورة
4.	4MT17CS014	Amrutha	5CS1	Amentho	Amerities
	4MT17CS040	Ganesh Naik	5CS1	acreste.	Lucielles Cinitesh
6.	4MT17CS059	Mithun N	5CS1	Muttin	Mattice
7.	4MT17CS047	Karthikeya	5CS1	Holl V.	Kalals
8.	4MT17CS031	Derryl	5CS1	2	I ROLL OF
9.	4MT17CS027	Bharath Kumar	5CS1	Rhs	Jab.
10.	4MT17CS045	Karthik K	5CS1	Hearthin	hill
11.	4MT17CS058	Milind Bijukumay	5CS1	Andi	
12.	4MT17CS049	Krithi Kini	5CS1	Knillykini	Kaithi kini
13.	4MT17CS029	C.S.A-poorug	5CS1	Akowa	1/2 1a)

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19.	4MT17CS110	Suraksha Rani	5CS2	Now Mr. K	Contraction (Contraction)
20.	4MT17CS118	Vaishnavi	5CS2		
21.	4MT17CS119	Varshini		Contr.	9
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23.	4MT17CS089	Sahana	5CS2	Supple .	Charles France
24.	4MT17CS114	Uttam	5CS2	Włamieman	The Town
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Department of Computer Science and Engineering

Date: 12-06-2020

NOTICE

CORE is organizing a webinar on "Web Application Deployment in Cloud Platform" on 13/06/2020. All the 2nd,3rd and 4th year computer science and engineering students are directed to attend the same.

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Title: Web Application Deployment in cloud Platform

CORE organized a webinar on "Web Application Deployment in cloud Platform" for III & IV year Computer Science & Engineering Students on 13th June 2020. The Resource Person Mr. Karan MV, Developer Relations, Automation Anywhere Software Pvt Ltd, Bangalore, delivered 2 hour online session and enlighten our students on the need of Cloud platform for Web Application. The resource person explained the various concepts of web application deployment in cloud platform by taking industry ready examples and also engaged practical case study oriented showcase of steps involved in the web application deployment in Amazon Cloud platform.

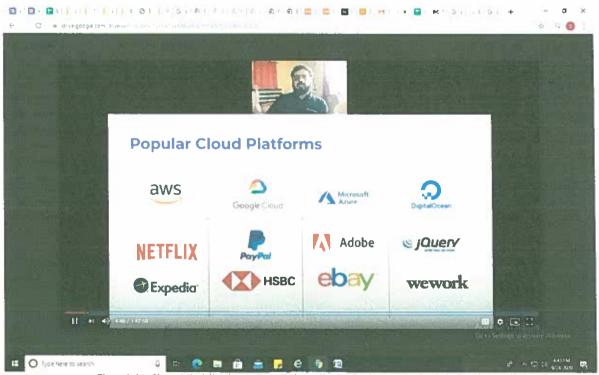


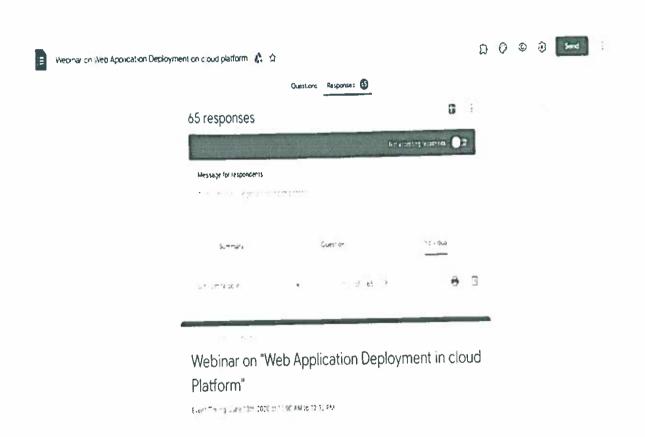
Figure 1. Mr. Karan MV delivering a talk on Web Application Deployment in cloud platform in an online session



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Department of Computer Science and Engineering

Date: 26-06-2020

NOTICE

CORE is organizing a webinar on "Introductory Hands-on Session on Git & GitHub" on 27/06/2020. All the 2nd,3rd and 4th year computer science and engineering students are directed to attend the same.

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Title: Introductory hands-on session on Git & GitHub

CORE organized a Webinar on "Introductory hands-on session on Git & GitHub" for il & Ill year Computer Science & Engineering Students on 27th June 2020. The Resource Person Mr. Arpith, Final Year Student of Computer Science & Engineering, MITE, delivered 2 hour online session and enlighten our student on the basis of versioning system for software programs. The resource person explained the fundamentals of Git - version control system and steps involved in managing and keeping track of source code changes. Resource person also showcased a practical case study on GitHub- a cloud-based hosting service for managing local Git repositories.

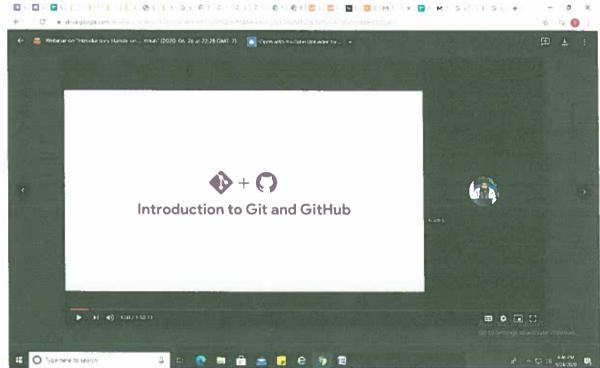


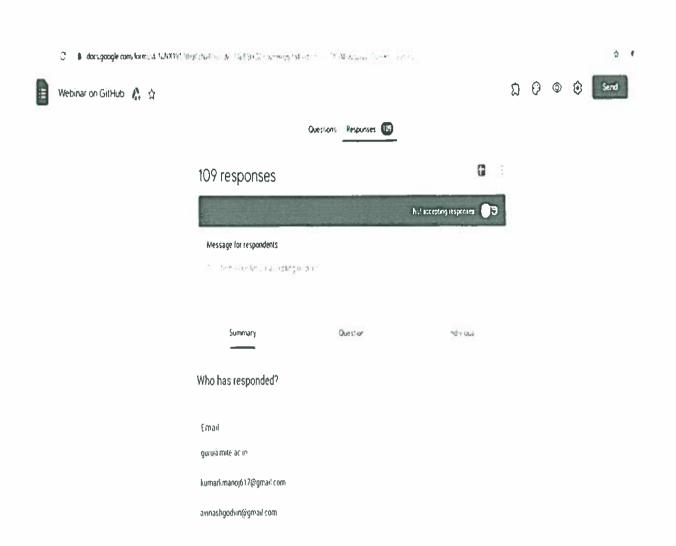
Figure 1. Mr. Arpith conducting hands-on session on Git and GitHub in an online session



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Department of Computer Science and Engineering

Date: 03-07-2020

NOTICE

CORE is organizing a webinar on "Containerization & Deployment of Web Applications to the Cloud Platform using Docker" on 04/07/2020. All the 2nd,3rd and 4th year computer science and engineering students are directed to attend the same.

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Department of Computer Science & Engineering

Report on the Webinar

Title: Containerization & Deployment of Web Applications to the Cloud Platform using Docker

CORE organized a Webinar on "Containerization & Deployment of Web Applications to the Cloud Platform using Docker" for III & IV year Computer Science & Engineering Students on 4th July 2020. The Resource Person Mr. Karan MV, Developer Relations, Automation Anywhere Software Pvt Ltd, Bangalore, delivered 2 hour online session and enlighten our student on resolving the myth on emergence of Containers next to Virtual Machine. The resource person explained the fundamentals of virtual machine and the emergence of containers for Cloud based application deployment. The resource person also showcased a practical case study on containerization of web application using Docker tool and deployment of the containers to the popular cloud platform.



Figure I. Mr. Karan MV delivering a talk on containerization of web application using Docker tool in an online session

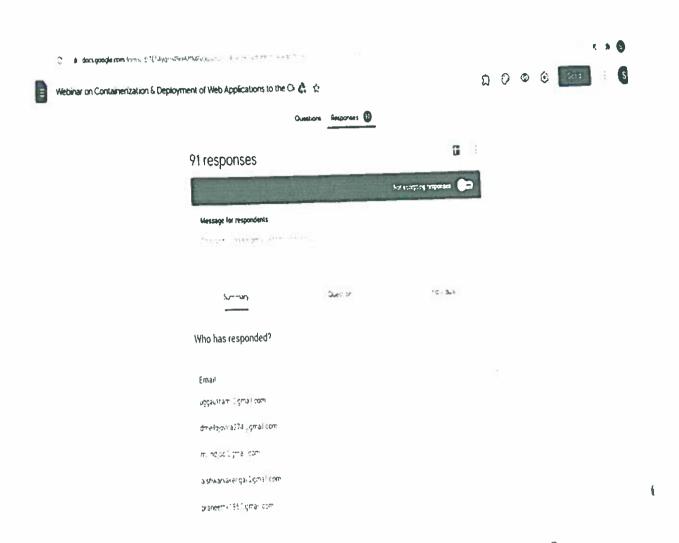


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Attendance



Co-ordinator

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Department of Electronics & Communication Engineering

Date: 02/11/2019

CIRCULAR

An invited talk is organized by Electronics and Communication Students Association on "Hardware Connectivity with MATLAB & Simulink" on 6 November 2019. Mr Tabrez Khan, Senior Application Engineer, Math Works India, will be the resource person for the talk. Interested students of the 3rd year are hereby informed to register your name with respective class advisor on or before 4 November 2019 and utilize this opportunity to enhance your knowledge by interacting with the industrial expert.

ECSA Coordinator

HoD 02/11/2019

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Department of Electronics and Communication Engineering Activity Report

Title: Invited Talk on "Hardware Connectivity with MATLAB & Simulink"

Resource Person: Mr. Tabrez Khan, Senior Application Engineer, MathWorks India

Date: 06/11/2019

Timings: 2:00PM to 4.00PM

Target Audience: 3rd year Students of ECE

Profile of the Speaker: Mr. Tabrez Khan is specialized in Signal Processing & Communications. He is a senior application engineer in MathWorks India. He has over 16 years of industry experience and has worked with vendors in Aerospace & Defense, Communications, Electronics, Semiconductor and Education field to adopt MATLAB and Simulink based products in signal processing and communication applications. He holds Master's degree in Digital Electronics & Communication from NMAMIT, Nitte & Bachelor's degree in Electronics & Communication from BIET, Kuvempu University, Karnataka.

Keynote address: In his address, he enlightened the students about the Hardware Connectivity with MATLAB & Simulink. MATLAB combines a desktop environment tuned for iterative analysis and design processes with a programming language that expresses matrix and array mathematics directly. It includes the Live Editor for creating scripts that combine code, output and formatted text in an executable notebook.

He briefed about how to integrate the generated code as source code, static libraries or dynamic libraries into an application specific module. Usage of Embedded Coder to translate the models into high-quality source code and executable files for prototyping and production is also explained.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Invited Talk on "Hardware Connectivity with MATLAB & Simulink"

Students Attendance Date 06/11/2019

SINo	tics.	Date 06/11/2019	Studente Signature
21:80	USN	Name	Students Signature
2	4MT17EC001	ABHISHEK DEEKSHITH M	axia D
3	4MT17EC002	ABHISHEK DINESH K	C. K.
4	4MT17EC003	ADITYA DIVAKAR SHETTY	2 2 0
5	4MT17EC004	ADVIHD	DR. Som
6	4MT17EC005	AISHWARYA	An vo
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13	4MT17EC012	ASHITH P AMIN	170
14	4MT17EC013	ASHRAY A SHEFTY	Care
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16	4MT17EC016	B HARIPRASAD	Tofar John
17	4MT17EC018	CHETHAN SHETTY	Carrie
18	4MT17EC020	CHIRAG	Chra-g
19	4MT17EC021	CHIRAG BSHETTY	Cling Shed
20	4MT17EC022	DEEMANTH	
21	4MT17EC023	DHAKSHATH L AMIN	
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26	4MT17EC028	HARSHA C R	+ Cano
27	4MT17EC029	HEMANTH SANJEEVA POOJARY	Hay
28	4MT17EC030	JITHIN KUMAR	Hickory
29	4MT17EC031	K G PRADEEP	Kea
30	4MT17EC032	K SANJANA	Pa
31	4MT17EC033	KAKUTHOTA RAKSHITHA	Asheller.
32	4MT17EC035	KARTHIK THIMMAPPA MESTIIA	Karthe
33	4MT17EC036	KAUSHIK NAYAK	73787
34	4MT17EC037	KAVYA SUDHIR GAONKAR	Rivys
35	4MT17EC038	KISHAN KUMAR	Kolan
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Invited Talk on "Hardware Connectivity with MATLAB & Simulink"

Students Attendance

Date 06/11/2019

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40	4MT17EC043	MANEESHA	Mend
41	4MT17EC044	MANOJ ACHARYA J	
42	4MT17EC045	MANOJ M P	They
43	4MT17EC046	MEGHA B	Usalo
44	4MT17EC047	MOHAMMED AFTHAB JALAL	athoris-
45	4MT17EC049	MOHAMMED SAHEER HEJMADI	Solker
46	4MT17EC050	MOHAMMED TANZEEL KHAN	- AB -
	4MT17EC051	MUHAMMED VASEEM C K	a Chatana
48	4MT17EC052	N DARSHAN RAO	Die
49	4MT17EC053	N PRAJWAL	J. J.
50	4MT17EC054	NAGADEEPA S	ailin
51	4MT17EC055	NAGARAJA B M	Jane
52	4MT16EC021	CHAITHRA K	KAURAR.
53	4MT16EC098	G VENKATESH	Exergence ,



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Invited Talk on "Hardware Connectivity with MATLAB & Simulink"

Students Attendance Date 06/11/2019

1		Name	Students Signature
	4MT17EC056	NAIJA N JAIN	Naisa
2	4MT17EC057	NAVEENA M	N Chery My
3	4MT17EC058	NIKHIL NARENDRA MURDESHWAR	artail
4	4MT17EC059	NIKHITHA JAIN	Rethitle.
5	4MT17EC060	NISHAL K	68Kithle
6	4MT17EC061	NISHMITHA M	Uish .
7	4MT17EC062	NITHIN K R	rlil kR
8	4MT17EC063	P ROHIT	Dahl
9	4MT17EC065	PAWAN KUMAR	Darker -
10	4MT17EC066	POOJARY ABHISHEK ANAND	Aliz
11	4MT17EC067	POORNIMA P CHANDAN	Poognina. P
12	4MT17EC068	PRAJNA	Pagna
13	4MT17EC069	PRAJWAL D	Restar
14	4MT17EC070	PRAMOD	
15	4MT17EC071	PRASHANTH P G	Prehath P.G
16	4MT17EC072	PRATHEEKSHA K SHETTY	Res
17	4MT17EC073	PRERANA SEN	ROUT
18	4MT17EC074	PRINSHA C	Busto
19	4MT17EC075	RACHITHA	Rachiffia
20	4MT17EC076	RAHUL MANOJ KATOOR	Rell
21	4MT17EC077	RAKESH	tales
22	4MT17EC078	RAMYA S N	1
23	4MT17EC079	RAO HARSHITHA NARAYAN	thous hite
24	4MT17EC080	RAVINA	Ravience
25	4MT17EC081	SAGAR RAO SALANKE	Sagre
26	4MT17EC082	SAHANA K N	800
27	4MT17EC083	SANDESH SHETTY	Shlate
28	4MT17EC084	SARATH SABU	Com
29	4MT17EC085	SARIKA	Chette
30	4MT17EC086	SHRAVYA B C	ShayaB:S
31	4MT17EC087	SHREYAS K	guft /



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Invited Talk on "Hardware Connectivity with MATLAB & Simulink"

Students Attendance

Date 06/11/2019

SLNo	USN	Name	Students Signature
32	4MT17EC088	SIRISHA	Silisha
33	4MT17EC089	SOORAJ B	Si li sha Bures
.34	4MT17EC090	SOORYA PRAKASH NAYAK	1-joshoy
35	4MT17EC091	SOWMYA	Sough
36	4MT17EC092	SUDARSHAN N B	- AB -
37	4M/Γ17EC094	SWAPNA	S
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44	4MT17EC101	VAJRANDA NAYAK	agea,
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46	4MT17EC103	VEERESH KARIKANTI	lle.
47	4MT17EC104	VISHAKA M M	vichaka
48	4MT17EC105	VISHWAJITH	-AB
49	4MT18EC400	MOHAMMED SHAFIQ	-AB-
50	4MT18EC401	VIJESH V	-AB

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Department of Electronics & Communication Engineering

Date: 05/11/2019

CIRCULAR

A three-day workshop is organized by the Department of Electronics and Communication Engineering on the "Real-Time Applications of Embedded Systems" from 8-10 November 2019. Dr Mahantesh R. Choudhari, Founder & Director at MARC Edu-Tech Solutions, Bengaluru, will be the resource person. Interested students of 2nd, 3rd and 4th year are hereby informed to register your names with respective class advisor on or before 7 November 2019 and utilize this opportunity to enhance your knowledge and skill by this hands-on workshop.

LCSA Coordinator

Not 5/11/2019

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Department of Electronics and Communication Engineering Activity Report

Title: Three days Workshop on "Real Time Applications of Embedded Systems"

Resource Person: Dr. Mahantesh R. Choudhari, Founder & Director at

MARC Edu-Tech Solutions, Bengaluru

Date: 08/11/2019 to 10/11/2019

Timings: 9:00AM to 4.00PM

Target Audience: 2nd, 3rd & 4th year Students of ECE

Profile of the Speaker: Dr. Mahantesh R. Choudhari, Founder & Director at MARC Edu-Tech Solutions has over a decade experience in Technology, Academics, Training and Research. Mahantesh R. Choudhari earned his Bachelor's Degree from H.K.B.K College of Engineering in Electronics and Communication Engineering, Bengaluru. He holds Master Degree in Digital Signal Processing with distinction from Sri Bhagwan Mahaveer Jain College, Jain University, Bengaluru. Mr Choudhari has completed his Ph.d in Electronics and Communication (Image Processing). In the year 2009, Dr. Choudhari declined the government job as a first division assistant to continue his passion in Research and Development.

Keynote address: In his address, he enlightened the students about the real time applications of Embedded Systems. He briefed about embedded systems and the usage of modern tools for real time typlication. Embedded system comprises a single chip microcontroller such as ARM, Cortex and also FPGAs, microprocessors, ASICs and DSPs. In the present scenario the usage of embedded systems is widespread, but the software which is programmed into the microcontroller is capable of solving only a limited range of problems.

He briefed on the development of the control theory and computer technology, some intelligent controls which were used in embedded control systems. However, with the increase in the complexity of controlled objects, some new problems need to be considered in the real time



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control system designs, such as, time-delay, uncertainty, unexpected faults, actuator saturation, and state constraints, that is recognize the need for technological change.

From the workshop students have gained knowledge in the field of embedded system in real time applications and able to carry out projects in the said domain.





Three days Workshop on "Real Time Applications of Embedded Systems" by Dr. Mahantesh R. Choudhari Founder, MARC EDU-TECH, Bengaluru

Department of Electronics and Communication Engineering THREE DAY WORKSHOP ON REAL TIME APPLICATIONS OF EMBEDDED SYSTEMS,8th-10th Nov-2019

THREE	DAY WORKSHOP (1	T			DAY-2 (PM)	DAY-3 (AM)	DAY-3 (PM)
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Department of Electronics & Communication Engineering

Date: 12/08/2019

CIRCULAR

A two-day workshop is organized by Electronics and Communication Students Association on the topic "Hands On Electronic Prototyping and Debugging" from 16-17 August 2019. Mr Edwin Thankachan, Founder, Circuitzpro, Kasaragod, an alumnus of the 2012 batch, will be the resource person. Interested students of 2nd and 3rd year are hereby informed to register your names with your respective class advisor on or before 14 August 2019 and utilize this opportunity to enhance your knowledge and skill by this hands-on workshop.

ECSA Coordinator

HoD 12 18 2019

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Department of Electronics and Communication Engineering Activity Report

Title: Two-day workshop on "Hands-On Electronic Prototyping and Debugging"

Resource Person: Mr. Edwin Thankachan, Founder, Circuitzpro, Kasaragod

Date(s): 16/08/2019 and 17/08/2019

Timings: 9:00 A.M to 4:30 P.M

Venue: Analog and Digital Electronics Lab

Target Audience: 2nd and 3rd year Students of ECE

Profile of the Speaker: Mr. Edwin Thankachan is the founder of circuitzpro –an Electronics strart up company located at Kasaragod, Kerala. Mr. Edwin was graduated from Mangalore Institute of Technology and Engineering, Moodabidri in Electronics and Communication Engineering stream. His areas of interest are C programming, Arduino and Microcontrollers, Python programming, analog circuit designing, home automation, IoT (ESP8266) etc. He has worked in UBICO solutions at Nileswar, Kasargod as circuit designer and debugger for a year. He has undergone Bosch rexroth training for 3 months based on various PLC implementations. He was also associated with Gulf media Technologies at Kannur, Kerala as an electronic product developer.

Keynotes address: Mr. Edwin handled two days hands on session on Electronic prototyping and debugging for 2nd and 3rd year students. In the workshop, he emphasized basically on fundamentals electronic components and their applications. He explained the basic semiconductor devices such as diode, transistors, relay, transformer and their operation. The main aim of the program was to provide the practical knowledge to the students and to explain and demonstrate the working principle of some of the components used in the electronic circuit designing.



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Two-day workshop on "Hands-On Electronic Prototyping and Debugging" by Mr. Edwin Thankachan

1st Day Morning session:

He explained about the basic principles of AC voltage source and the process of converting AC to DC. He explained the principles of regulated power supply and the design of regulated power supply using zener voltage regulator. Students actively involved the session and gained the knowledge.



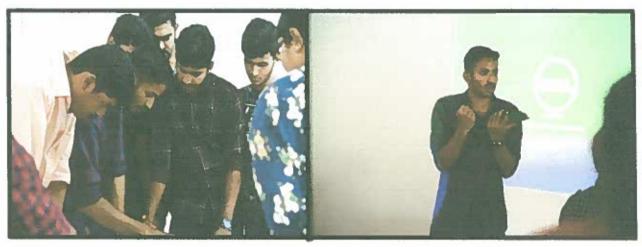
Hands on session in Two-day workshop by Mr. Edwin Thankachan



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1st Day Afternoon session:

In the afternoon session, he explained the concept of operational amplifier using IC 741. The design of op-amp based linear amplifiers and other non linear applications of op amp were discussed. The working principles of a relay switch, 555 timer IC, LDR, IR transmitter and receiver, object sensors, PIR sensor, temperature sensor, fire sensor, current sensor, ultrasonic sensor, voltage divider circuit were also discussed.



Demonstrating the working of the individual components to the students

2nd Day Morning session:

In the 2nd day morning session, he explained how to debug basic circuits, identifying faults and repairing the circuits. He also explained about the principle of operation of multimeter and its usage. Students were involved in building minor hobby circuits.

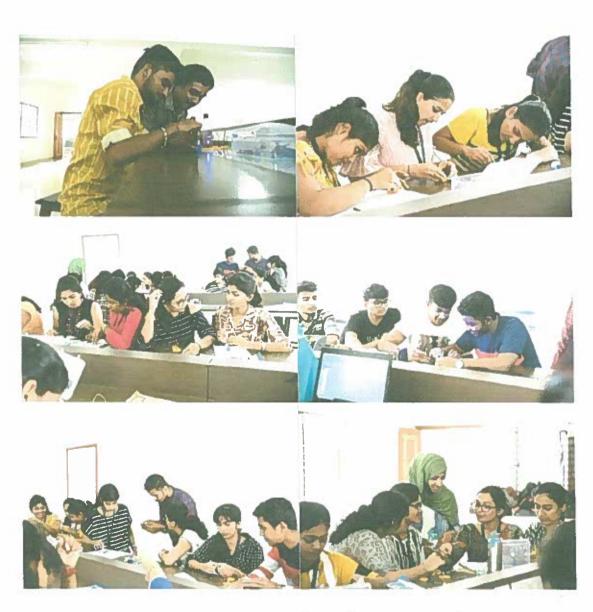
2nd Day Afternoon session:

In the afternoon session, students were involved in simulating circuits with Proteus software. Some amplifiers and transistor oscillator circuits were simulated and the output was validated. On final day, participation certificate is issued to all participating students.



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Students building the circuits using the components provided and testing of working models

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List of students participated in the 2-day workshop "Hands-On Electronic Prototyping and Debugging" conducted on 16th Aug 2019 and 17th Aug 2019.

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2.	4MT18EC043	MANOJ	Mark.
3.	4MT18EC034	JAYANTH KUMAR	Jayantha
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Department of Mechanical Engineering (Accredited by NBA)

Date: 13/11/2019

CIRCULAR

A two day workshop is organized by Department of Mechanical Engineering on "Innovation Boot Camp on IOT Applied to various domain" done by Mr. Jagmohan Meher, Engineer at Skyfi labs, Bangalore on 15/11/2019 & 16/11/2019. Registered students are here by informed to attend the workshop.

Head of the Dept. of Machanical Engl Mangalore Institute of Technology & Engineering Badaga Mijar, MOODBIDRI - 574 225



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Department of Mechanical Engineering

(Accredited by NBA)

Report on Two Day Innovation Bootcamp on IoT Applied to various Domains

Date: 15th and 16th November, 2019

In Association with: Skyfi Education Labs Pvt. Ltd., Bangalore.

Resource Person: Mr. Jagmohan Meher, Engineer at Skyfi Labs.

Course Outcomes:

- Knowledge and understanding of fundamental IOT paradigms, design, construction and programming, both with respect to IoT software and hardware.
- Hands on experience on IOT and an opportunity to develop live projects.
- Industry ready in IoT after the workshop.

Course Contents:

- IoT Concepts & Applications
- Arduino Architecture & Programming
- Sensors
- Actuators
- Calibration of Sensors
- Virtuino App development (smart irrigation system)
- How Internet Works
- Design of a Communication Network
- Wireless Communication Devices
- ESP-8266 Introduction
- Powering up ESP-8266

Course Structure:

15th November (Day-1)

- 1. Introductory lecture on "internet of things- concepts and applications"
- 2. Introduction to sensors and actuators for iot systems, interfacing circuits, IoT hardware
- 3. Interfacing sensors and actuators with IoT hardware
- 4. Calibration of sensors and their necessity

Co ordinator: Dr Vigneth Nayak

16th November (Day-2)

- 5 Assembly and integration of various loT components
- 6. Basics of communication & coding
- 7. Testing of the IoT device and trouble-shooting
- 8. Demonstration the functionality of the developed IoT module

POs Mapped: PO1, PO5, PO7, PO9, PO10, PO12

Day-1 Morning Session:

The workshop began with an Inauguration program by Mr. Jagmohan Meher (Skyfi Labs), Dr. C. R. Rajashekhar (H.O.D., Mechanical Engineering Department), Prof. Lokesha M. and Prof. Neelakantha V Londhe. The program was headed by the faculty coordinator of the workshop Dr. Vignesh Nayak Ullal (Senior Assistant Professor, Department of Mechanical Engineering). The students had registered for the bootcamp two week prior to the scheduled dates of the bootcamp.

The first session started with an introduction to IoT, its concepts, how internet is connected to the real world. Services that use IoT, applications. Traffic management through the use of IoT. Devices that are transformed to smart devices owing to internet connectivity coupled with minimization of waste and optimization of operational time due to the interconnectivity of sensors, actuators with computer aided processor. IoT devices that aid in keeping the health of a person in-check. Use of IoT in blood pressure monitoring, health and fitness. IoT solutions applied to enhance mobility experience by rendering modern vehicles to be smart to respond to various situations encountered during transit. Introduction to cloud technology. Building blocks of IoT and the IoT value chain. Online registration to access Skyfi labs course content commenced after the introduction lecture.



Fig. 1 Professor Lokesh emphasising on the importance of IoT



Fig.2 Explanation of IoT concepts and applications by Mr. Jagmohan Meher (Engineer, Skyfi labs)

Day-1 Afternoon Session:

The second session started with distribution of customised IoT kits to the students. The topics opted by students along with the details of hardware supplied by the company to enable building of a functional model are presented in Table 1. Online customised course content access was provided to the students with respect to the project topic opted by them. Questions were posed to the students online on Skyfi Labs website after each educational video. These questions were related to the contents displayed and conveyed in the video lecture. The students cannot progress to the succeeding video modules without answering correctly to all the questions posted for the previous module. These activities continued till the end of third session.

Table1: Particulars of components involved in developing IoT devices during the bootcamp

Automatic street lighting system	Smart irrigation system	Smart water monitoring	Automatic railway crossing	Solar & smart energy system	Automatic solar tracker		
Arduino Uno							
ESP-	8266 Wi-Fi mod	ule	DC motors	21V solar panel	DC motors		
LDR sensors	Soil moisture	Water flow	Motor	Digital sensors	Motor driver		
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	USB TO UART cable							
Bulb holders	Water pump	Barrel connector	Digital IR sensors	Mobile charger	LDR sensor			
		Connecti	ng wires	Į				
Relay drive	Wooden plank	Breadboard	Gears		Solar panel			
Wooden chassis					Elbow joints			
Working tools								



Fig.3 Smart irrigation system IoT kit-Day 1

Day-2 Morning Session:

During the fourth (16/11/2019) the students began assembly of the various IoT components provided to them. Various files that were required for the communication between the components, and with the cloud platform were downloaded by them. Following the assembly, the module developed by the teams were tested for their functionalities. Trouble shooting of the various devices were performed. Data recording was enabled and the collected information was communicated to the online cloud platform. Following the real-time synthesis of data, analysis of the results was carried out with the aid of real-time data plots to arrive at conclusions on usage and optimization.



Fig.4 Components of solar and smart energy system IoT kit assembled by students for hands-on training- Day 2

Day-2 Afternoon Session:

On successful completion of the above-mentioned activities, the teams demonstrated and explained the working of their IoT device to the invigilators.

With this the workshop came to an end. An online feedback report was given by students. The completion of this workshop showed the interest of students towards this new domain that they haven't studied about. Photographs of the event has been shown below in the report. Students received their certificate by completing the online feedback done by the company.



Fig. 5: Demonstration of the IoT working model by a student group to the evaluators

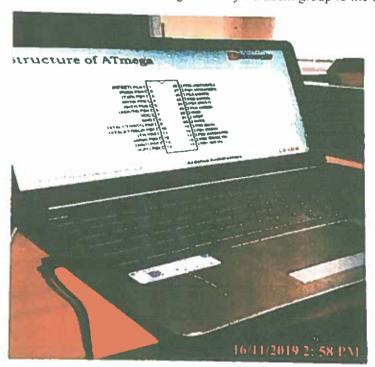


Fig.5 Coding required for functioning of a loT assembly

Two-dry Invertibin Bootcamp attendance

Date: **Q**-11-2019

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9	Shobith	4MT18ME119	S. O. Wille	John Comment
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2	Vishnuraj A	4MT18ME137	(Poster)	Alogo P
3	Omar Zeidan	4MT18ME081	adam	Cidaw
4	Mohammed lavid	4MT18ME053	Quit I	100
5	Rith Shetty	4MT18ME100	Rethrete	Rithard
6	Ranjith Shetty	4MT18ME095	Rand	Viet vo
17	Rithvik A Bangera	4MT18ME103	Rythenk	Butholike
8	Nithin Noronha	4MT18ME080	Nilu.	F. VA 400 1
8	Sushanth Nayak	4MT18ME132	Runaya)	Runaus
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Two - day Investing Bootcamp attendance

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Department of Mechanical Engineering (Accredited by NBA)

Date: 31/10/2019

CIRCULAR

A two day workshop is organized by Department of Mechanical Engineering on "IOT to sustainable Technologies" done by Mr. Shreyas K & Mr. Adithya FluxGen Technologies Bangalore on 02/11/2019 & 03/11/2019. Registered students are here by informed to attend the workshop.

HOD

Head of the Dept. of Mechanical Engangering

Head of the Dept. of Mechanical Engangering

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Affiliated to V.T.U., Belgaum, Approved by AICTE, New Delhi

Department of Mechanical Engineering

(Accredited by NBA)

Report for Workshop on IoT Applied to Sustainable Technologies

Date: 2nd and 3rd November, 2019

Industry Partner: FluxGen Technologies, Bangalore.

Resource Persons: Mr. Shreyas K, Mr. Adithya

Workshop Coordinator: Akshay S Bhat

Course Outcomes:

- Knowledge and understanding of fundamental IOT paradigms, design, construction and programming, both with respect to IoT software and hardware.
- Hands on experience on IOT and an opportunity to develop live projects.
- Industry ready in IoT after the workshop.

Course Contents:

- Introduction
- Case studies- IoT Systems deployed by FluxGen
- Sensors and Actuators
- · Interfacing Hardware
- Industry 4.0
- · Case studies
- Installations
- Communication Protocols
- Wireless communication
- OSI Layer of IoT
- IoT Platforms
- Mobile application development

Course Structure:

2nd November (Day-1)

1. Introductory lecture on "Internet of Things Applied to Sustainable Technologies"

2. Introduction to Sensors and Actuators for IoT systems, Interfacing circuits, IoT Hardware

3. Interfacing Sensors and Actuators with IoT Hardware

4. Industry 4.0, Case study of Industry 4.0, IoT Protocols

3rd November (Day-2)

5. Basic Communication Protocol & Wireless Communication

6. Integrating IoT hardware with Cloud platforms

7. Android app development & Integration with IoT hardware

8. Demo of a working IoT system

POs Mapped: PO1, PO5, PO7, PO9, PO10, PO12

Day-1 Morning Session:

The workshop began by welcoming our Resource Persons Mr. Shreyas. K (FluxGen Technologies, Bengaluru), Mr. Adithya (FluxGen Technologies, Bengaluru) along with Dean Academics (MITE, Moodabidri), HOD of Mechanical department (MITE, Moodabidri). The program was conducted by Energy Club, Department of Mechanical Engineering. The club is headed by Mr. Akshay S Bhat (Assistant Professor, Department of Mechanical Engineering) also the faculty coordinator of the workshop. Under the guidance of HOD- Mechanical department, Students were asked to register for the workshop one week in advance.

The first session started with an Introduction on IOT, How internet is connected to real life things. IOT using services, Applications of IOT. IOT facts- Driver less autonomous cars, Internet connected smart devices, IOT devices in medical field, Application of Internet of things in Automobile sector, Introduction on Cloud Technology, IOT building blocks, IOT value chain.



Fig.3 Talk attended by Faculty & Students of Department of Mechanical Engineering, MITE

Day-1 Afternoon Session:

The second session started with prototyping. Prototype making is very important journey of manufacturing and market. It is very important to take the product to the next level. Case studies of solar PV solar micro grid, Smart monitoring system. Case studies of IOT in renewable Energy production.

Case studies of solar powered water management using EWM. Solar powered wireless monitoring node. Water flow and level monitoring system. Discussion on Sensors and Actuators. Brief introduction on sensors and actuators. How IOT is different from IT.

Working and application of various types of sensors. Eg. Motion sensors - Accelerometer and Gyroscope, Anemometer - to detect wind speed, SHT7x - Humidity and temperature sensor Etc. Brief introduction on Actuators- Piezoelectric actuators, Hydraulic cylinders, About relay and comb drive.



Fig.4 Theory Session on Introduction to IoT applied to sustainable technologies.

Third and fourth sessions were hands-on training. The session started by downloading various files, installing files, Distributing Flux Gen kits, Explaining safety measures to handle the kit. Introduction to microprocessors, microcontroller, protocols and cloud. Cloud Analysis, WSN node, explaining its components about actuators and sensors, Potentiometer (POT) - variable resistor, LM35 - temperature sensor, Some Software terms, LED Blink program for Digital input.

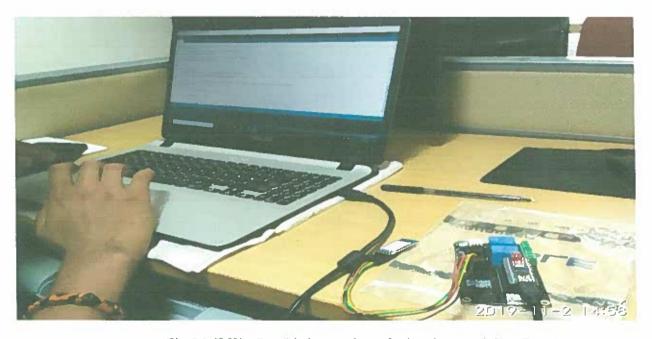


Fig.5 IoT Kits Provided to students for hands-on training- Day 1

Day-2 Morning Session:

The remaining sessions conducted were also hands-on training. The students learnt about Analog output- I. Explaining the program 2. Downloading the code, uploading to the kit, 3. Explained about Mario tone code. Analog Input- Temperature measuring program. Explained about data sheets, how to analyze it, Explained temperature measuring codes. Relay program- Explained Relay mechanism. Incubator Program- Explained the codes, performed the experiment. LED brightness control using potentiometer- Explained the component of kit and conducted the experiment. LED brightness control using LDR- Explained about code used in experiment and Conducted the experiment. Pulse counting- Explained the code, Conducted the experiment. LED and relay control using serial communication- Explained about codes, Conducted experiment.

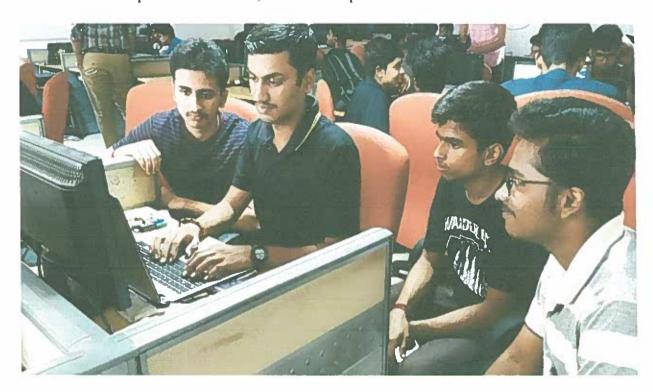


Fig.6 Student batches working on IoT Kits.

Day-2 Afternoon Session:

LED and relay control using Bluetooth - Connecting mobile Bluetooth to the device, Explained the program code, Performing experiment using mobile application. Cloud technology- Creating dashboards, connecting mobile application to the Google Assistant, Setting up Google Assistant, Connecting system to the kit, Explained the codes, Upload the code and perform the experiment. Demo of smart home system.

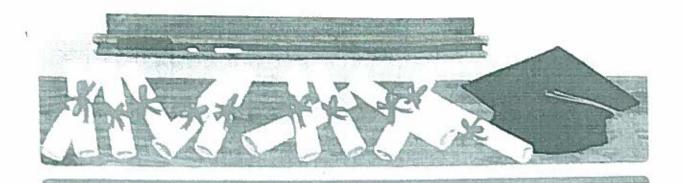


Fig.7 Connecting various devices online through Computer and mobile using IoT

With this the workshop came to an end. An online feedback report was given by students. The completion of this workshop showed the interest of students towards this new domain that they haven't studied about. Photographs of the event have been included in the report. Students received their certificate by completing the online feedback done by the company.



Fig.8 Group Photo of all the Participants



IoT WORKSHOP on Sustainable Technologies FEEDBACK FORM

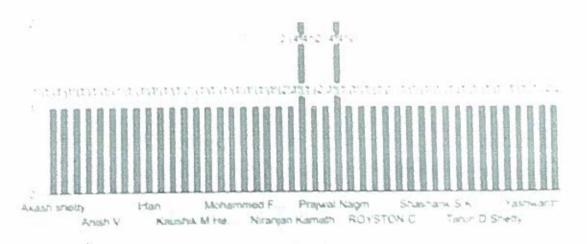
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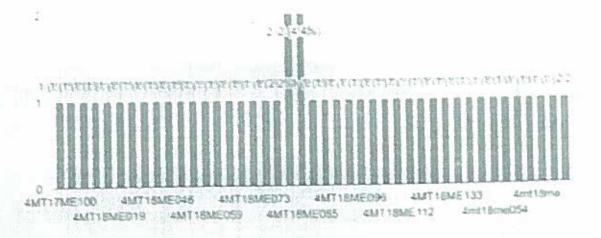
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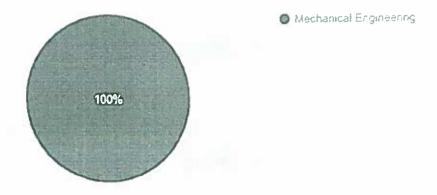
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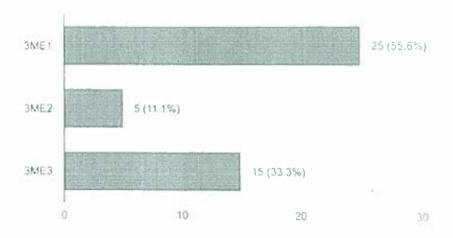
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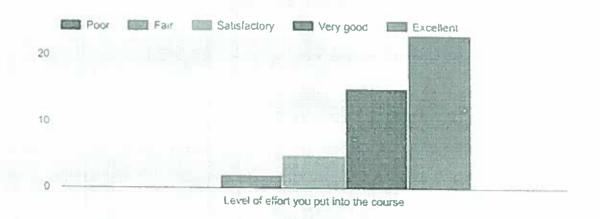
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45 responses



Training was Applicable to my Curriculum and Academics





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Department of Mechanical Engineering (Accredited by NBA)

Date: 09/10/2019

CIRCULAR

A two day "Workshop is conducted by SAE colleigate Club of MITE" on 11/10/2019 & 12/10/2019. Mr. Girish Babu (Founder & CEO GUTS Mechademy) & Mr. Harish Sheynoy (Alumni) are invited for the same as a resource person. Registered students are here by informed to attend the workshop.

HOD

Head of the Dept of Mechanical Energy
Head of the Head of Technology
Head of





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DEPARTMENT OF MECHANICAL ENGINEERING

(Accredited by NBA, New Delhi)

WORKSHOP CONDUCTED BY SAE COLLEIGATE CLUB OF MITE

Resource Persons: Mr. Girish Babu, Mr. Harish Shenoy

Date: 11th and 12th October 2019

Course Outcomes:

- Knowledge and understanding of fundamental of Automotive Engineering, Engineering drawing and GD&T.
- Hands on experience of software's and opportunity to develop projects.
- Industry ready after the workshop.

Course Content:

- Introduction
- Case studies- Engineering drawing
- Reading Engineering drawing
- Importance of GD&T
- Fundamentals of GD&T
- Implementation of GD&T
- Team Management
- Lotus suspension analysis
- Ansys
- DS Solidworks

Course Structure:

11th October (Day-1)

- 1. Introductory lecture on "Engineering drawing"
- 2. How to read Engineering drawing
- 3. Introductory lecture on "GD&T"
- 4. Discussion on GD&T
- 5. Implementation on GD&T
- 6. Role of GD&T in improvement of manufacturing industry

co. ordinator: Mr Rahul. &

12th October (Day-2)

- 1. Introduction on Team Management
- 2. Analysis on Lotus suspension
- 3. Analysis on Ansys
- 4. Designing on Solidworks

POs Mapped: PO1, PO6, PO8 & PO12

The workshop began with an Inauguration program of SAE Collegiate of MITE by Chief Guests Mr. Girish Babu (Founder and CEO GUTS Mechademy, Bangalore) with HoD of Mechanical department. The program was head by the faculty coordinator of the club and coordinator of the workshop Mr. Rahul Sanjeev (Assistant Professor, Department of Mechanical Engineering). Students were asked to register for the workshop one week in advance.

The first session started with an Introduction of Engineering drawing, how to read an engineering drawing, Application of engineering drawing in industry application. The importance of engineering drawing when it comes to the manufacturing industry. How to mass produce any equipment with minimum defects. In this session students were first taught about the basis of how to measure using Vernier calliper and micro meter screw gauge. How to find the weight of any object without using a weigh scale. Explained how companies are divided into four tiers i.e.

- Oems. (Original equipment manufacturers)
- Tier 1 (Assembling of the all the sub-assemblies)
- Tier 2 (Making of all the parts required according to the design)
- Tier 3 (acquiring of raw materials)

The second session was about GD&T (Geometric Drawing & Tolerance). Case studies on the engineering drawing and GD&T and application of six sigma lean manufacturing using GD&T. In this session people student were taught about how to tolerancing and how GD&T have impacted the manufacturing industry. Different types of standards that are used in GD&T. Using a Toyota Fortuner reverse fork, he helped students to understand the engineering drawing and how to implement the design.

Third session was about Team management, Introduction of suspensions and hands on sessions of lotus suspension analysis. In this student were taught about fundamentals of how to manage any team. Structing a team and experiences of older team members was shared regarding the same. The students were then taught basics of suspension and different parameters of suspension were taught. Then students were taught lotus suspension analysis software in which they were taught how to use the software and get different outputs. Hands on session of Ansys software was given and students on how to do analysis of simple bar using ANSYS.

Fourth session was a webinar on Solidworks. In this student were taught how to design a prism, bar and how to make joint for mounting suspension on any car. In this student were taught how create drawings after finishing a design on Solidworks.

With this the workshop came to and end. An online feedback report was given students. The completion of this workshop showed the interest of students towards this domain. Photographs of the event has been shown below in the report. Students received their certificate by completing the online feedback done by the company.



Figure 1: SAE Club Inauguration function



Figure 2: SAE Club Inauguration by Mr. Girish Babu (Founder & CEO, GUTS Mechademy)

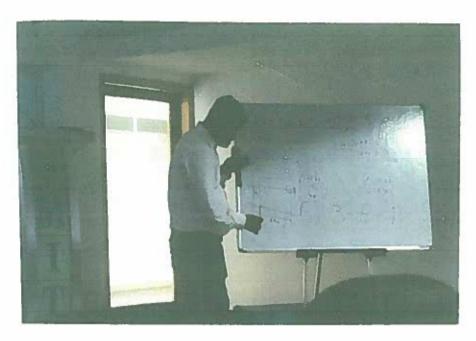


Figure 3: Mr. Girish Babu teaching GD&T



Figure 4: Students listening to the workshop



Figure 5: Students using lotus software



Figure 6: Webinar conducted by Mr. Harish Shenoy

Department of Mechanical Engineering, MITE

Name of the Resource person: Mr Girish Babu, CEO, GUTS MECHACADEMY

Topic covered: "Fundamentals of GD&T"

Course/CO/PO mapped: PO1, PO6, PO8 & PO12

Date: 11.10,2019

Duration: 10:00 AM to 5.00 PM)

Signature of the resource person:

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Department of Mechanical Engineering (Accredited by NBA)

Date: 01/10/2019

CIRCULAR

A two day workshop is organized by Department of Mechanical Engineering on "Matlab Based Mechanical Engineering Applications" done by Dr. M Nandakatti and Dr. Arun Kumar P Professor GIT Belgaum on 03/10/2019 & 04/10/2019. Registered students are here by informed to attend the workshop.

HOD

Head of the Dept. of Mechanical Engineering

Head of the Dept. of Mechanical Engineering

Mangalore Institute of Technology

Badaga Miljar, MOODBIDRI - 574 225



MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING



Two Day Workshop

" MATLAB based Mechanical Engineering Applications"

Date: 3rd & 4th October 2019

D Resources persons:

- 1) Dr M MNadaKatti, Professor, Dept. of Mechanical Engg., INDIA Ph:00919986157902
 - DrArun Kumar P Professor, Dept of MechanicalEngg. GIT, Belgaum, 590008, KARNATAKA, GIT, Belgaum, 590008, KARNATAKA, INDIA Ph:00919986157902

Ш Glimpse of Workshop:

The Department of Mechanical Engineering in association with MECHMITES organized Two Day Workshop on "MATLAB based Mechanical Engineering Applications" for third year Mechanical Engineering students on 3rd and 4th of October 2019. The Workshop was inaugurated by the Dean Academics Dr. DivakaraShetty.He appreciated the students for taking part in the workshop. Dr. C R Rajashekhar HOD, Mechanical Engineering highlighted the importance of MATLAB usage in Engineering sector. The Mechanical, Aeronautical dept. faculties and Coordinator Dr. LokeshM and Mr. Shivaramu H T, MECHMITE Coordinator were present.



Dr. Divakara Shetty S, Dean Academics, addressing during Workshop Inauguration



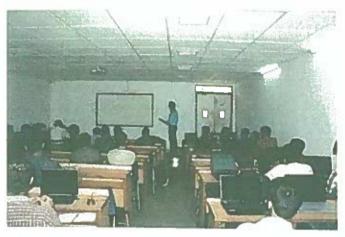
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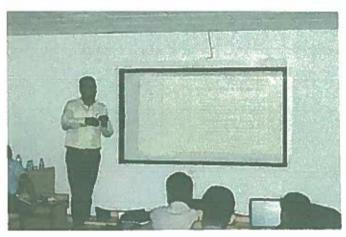


MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING





Session1: Dr. M MNadakatti engaged on "Introduction to MATLAB"



Session2: Dr. Arun Kumar P engaged on "Reverso Engineering"



Session 3:Dr. Arun Kumar P spoke on "3D printing and Scanner" & hands on session



Session 4:Dr. M MNadakatti spoke on "Application build by MATLAB"& hands on session

Dr. M MNadakatti, Professor, Department of Mechanical Engineering, KL's GIT, Belgaum taught on introduction, importance, applications of MATLAB. He explained step by step procedure of using MATLAB and taught students to create surface plots and matrix solve. Students experienced and build the simple applications.

Dr. Arun Kumar P, Professor, Department of Mechanical Engineering, KL's GIT, Belgaum explain about the need of reverse engineering and how it is implementing in manufacturing sectors. He also explained the need of 3D printing, prototyping, how to set machine, design, production parameters set for the RP manufacturing. He thought the scanning of objects using 3D printing software.



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The students were happy after learning and using MATLAB, Rapid prototyping and 3D scanner software. The students have gained knowledge, got some inputs and ideas to implement these software in their project work.



Certificate issued to Participants



Participants with resource persons & coordinators

Venue: 5ME3

Date: 3rd and 4th of Oct.2019

III) Course content

ABOUT MATLAB:

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-touse environment where problems and solutions are expressed in familiar mathematical notation. Typical uses include: Application development, including Graphical User Interface building. It allows matrix manipulations; plotting of functions and data; implementation of algorithms; creation of user interfaces; interfacing with programs written in other languages, including C, C++, Java, and FORTRAN; analyze data; develop algorithms; and create models and applications. It has numerous built-in commands and math functions that help you in mathematical calculations, generating plots, and performing numerical methods. For mechanical engineering students, it will be an excellent tool during final year projects. They can design, develop, simulate their projects using MATLAB and test the prototypes for the results. Suitable graphs both 2-D and 3-D could be developed. Many Vibration based applications could be developed and analyzed by coupling the MATLAB with DAQ systems (Data Acquisition System). Our department has DAQ system from NI.



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Expenditure:

Honorarium to resource persons and their expenditure = 10,000 Workshop organization expenses = 4,000

VII) Recourse persons CV

Faculty profile of Dr. Arunkumar P

1. Brief profile

Dr. Arunkumar P is a faculty in the Department of Mechanical Engineering at K.L.S. Gogte Institute of Technology Belagavi, Karnataka, India and has been in the teaching profession from past 12 years. He holds a bachelor—s degree in Industrial & Production Engineering and M.Tech in Product Design & Manufacturing and a Ph.D. in the field of CAPP & feature extraction. He secured Gold Medal from Visvesvaraya Technological University for obtaining First rank in M.Tech — Product Design & Manufacturing. As part of Masters study he had undergone training at CMTI, Bangalore. He has attended many conferences and workshops and has published papers in many conferences and International Journals. He is a life member—of ISTE. His fields of interest include CAPP, Feature extraction, Rapid prototyping and Reverse engineering. Presently he is pursuing his research work in the field of Rapid prototyping and Reverse engineering.

Achievements and awards: Received GOLD MEDAL from Visvesvaraya Technological University (VTU) for securing FIRST RANK to University for M.Tech (Product Design & Manufacturing) in 2004.

Complete address including floor number, staff room number, building: Dr. Arunkumar P, Associate Professor, Dept of Mechanical Engineering, KLS Gogte Institute of technology, Jnana Ganga, Udyambag, Belagavi 590008. Phone Number (Department): 0831-2498500, Skype ld, email id @git.edu, Link for faculty home page: akp@git.edu,

Faculty profile of Dr.M.M.Nadakatti

Dr.M.M.Nadakatti Academic Profile CAREER STATEMENT A well-presented, self-motivated and confident Post-Doctoral Research Fellow in Mechanical Engineering having extensive knowledge of teaching various mechanical engineering theory and practical subjects apart from research and publications in the areas of Maintenance Engineering, Condition Monitoring, Tribology / Bearing Failure, Lubrication, etc. I successfully completed for 1-year Post-Doctoral Fellowship in the Division of Operations and Maintenance at LTU, Sweden with Prof.UdayKumar as my Supervisor during 2012-13. During my stay at LTU, gained more knowledge in the areas of Condition Monitoring, Asset Management, Tribology, etc. Because of my various work assignments both in

Department of Mechanical Engineering, MITE **MECHMITES Presents**

A 2 day workshop on "MATLAB Based on Mechanical Engineering Applications"

Resource Person:

Dr. M M Nadakatti , Professor, KLS Dr. Arun Kumar P , Professor, KLS GIT,

Duration:2days

Date: 03/10/19 to 04/10/19 Audience: 5th semester Mechanical Engineerin VENUE:M203

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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

Department of Mechatronics

Date: 16/10/2019

Circular

From MAC-X a training session on "Applications of CAD Tools in the Field of Mechatronics" will be conducted on 19/10/2019. 3rd year students are informed to attend the training session.

Head of Department



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BadagaMijar, Moodbidri-574225
Department of Mechatronics Engineering

"Applications of CAD Tools in the Field of Mechatronics

Mr. Vinod Kumar K, Centre Head, CADD Centre, Moodabidre delivered the talk that focused on applications of design and simulation tools such as Ansys, Catia, SolidWorks, SolidEdge, NXCAD, AutoCaD NXCAM held on 19/10/2019 in class room L-301. The students were informed about the future trends in the field of FEA in automotive and manufacturing sector. The students were also provided with in depth knowledge about different tools available for electrical and mechanical drawings. 1 faculty and 55 students were participated in the technical talk.



Session on "Applications of CAD Tools in the field of Mechatronics" by Mr. Vinod Kumar K

Mangalore Institute of Technology and Engineering

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINNERING

MECHATRONICS DEPARTMENT

Attendance report: Applications of CAD Tools in the Field of Mechatronics

Date: 19/10/2019

1	1 Aaron Seth Stanley		4MT16MT001
	_	Abdul Fardeen	4MT16MT002
	3	Abhishek C M	4MT16MT003
	4	Adarsh P	4MT16MT004
	5	Adithya Pai N K	4MT16MT005
	6	Akarsh Manoj	4MT16MT006
	7	Akash Joseph	4MT16MT007
	8	Ashil Sam	4MT16MT008
	9	Calvin Jais Arhanha	4MT16MT009
	10	Ganesh Kumar	4MT16MT011
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	28	Rakshith	4MT16MT033
	29	Rizvan Mohd Anwar	4MT16MT034
	30	Rohan Pradeep	4MT16MT035
	31	S Sakthi Vikneshwar	4MT16MT036
	32	Sanketh S Raj Jain	4MT16MT037

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33	Shaikh Mohammed Lukman	4MT16MT039
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37	Shubham Vadagave	4MT16MT043
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41	Sudheendra	4MT16MT046
42	Syed Umair	4MT16MT047
43	Vaishak B K	4MT16MT048
44	Varun Gopalakrishna Shenoy	4MT16MT049
45	Saurav Sudhakaran	4MT16MT050
46	Jaderu Somashekar	4MT17MT403
47	Kiran G	4MT17MT404
48	Rayan Dominic Pinto	4MT17MT407
49	Royson Pais	4MT17MT408
 50	Sidramappa R Gobbur	4MT17MT410
51	Vignesh V Kini	4MT17MT411
	AHASANUL MUSTAFA	4MT17MT004
52	AHMED REZA MOHAMMAD KUNHI	4MT17MT005
53		4MT17MT006
54	AKSHAY R KOTIAN	4MT17MT007
55	AMITH S LAHARI	4MT17MT008
56	AMRUTH M ACHARYA	4/01/17/01/1008

Head of the Department

Head of the Dept. of Mechatronics Engg Mangalore Institute of Technology & Engineering Badaga Mijar MOODBIDRI 574225



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5.1.3-ICT/Computing Skills (2018-2019)

Sl.No	Name of the capacity development and skills enhancement program	Name of the agencies/consultants involved
1	Cyber Security	Mr. Navaneeth Krishnan, TCS
2	LINUX for Computer Science Engineering	Mr. Manmohan K, MIT
3	Image Processing using SciLab	Dr. Venugopal P S, NMAMIT
4	Technical Talk on Microcontrollers, Open- Source Tools & Embedded Application	Mr. Mohammed Sadiq, Tech-Gray Logix,
5	Workshop on CNC Machine Design and fabrication using Arduino	Mr. Nikhil Shankar, Skify Labs
6	IOTapplied to sustainable Technologies	Mr. Ganesh Shankar, Mr.JagatheeswaranSenthilvelan, Mr. Dinesh. FluxGen Technologies
7	Hands-On Session, Project Based Learning using MATLAB and Simulink	Mr. Subhash, Technoclog Pvt Limited
8	IoT Workshop	Mr. Adarsh Raveendran, Dlithe

NOTICE

Date: 09-03-2019

CORE is organizing a One day workshop on "Cyber Security" on 11/03/2019 at Auditorium 2. All the 3rd year computer science and Engineering students are directed to attend the same.

Core Staff Coordinator

Moderation

COPY TO:

- 1. Notice Board
- 2. Circulation
- 3. Department Notice File



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Badaga Mijar, Moodbidri-574225

Department of Computer Science & Engineering

Report on the Technical Talk

Title: Workshop on Cyber Security

Resource Person(s)/ Organization(s): Mr.Navaneeth Krishnan, Cyber Security Analyst and Certified Ethical Hacker, Tata Consultancy Services, Chennai.

Experience

2018-06 - present Tata Consultancy Services

Cyber Security Analyst

Working as a security analyst and penetration tester for one of the largest retail pharmacy and health store chain across the U.S. and Europe.

Education

• 2011 - 2015 MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING, Moodbidri

BE in COMPUTER SCIENCE & ENGINEERING

2016 - 2018 ER & DCI INSTITUTE OF TECHNOLOGY, Thiruvananthapuram

M.tech in CYBER FORENSICS AND INFORMATION SECURITY

Worked on live projects from Centre for Development of Advanced Computing (C-DAC (T)),

Thiruvananthapuram

Projects:

- Detection of IOT Based DDOS Attack
- · Blockchain Based Security Framework for IoT Implementations

Conferences

- 2017-03 Nullcon International Security Conference, Goa
- 2017-09 C0c0nX Hacking And Cyber Security Briefing, Kochi
- 2017-12 National Cyber Defence Summit (VII Edition), Bits Pilani- Goa,
- 2018-03 Nullcon International Security Conference, Goa
- 2018-04 Kerala Police Cyberdome CODSEC Policing the Future, Trivandrum

Publications

- 2017-04 Challenges and Issues in Big Data Era- A Survey publication description International Journal of Engineering Research in Computer Science and Engineering
- 2018-07 Blockchain Based Security Framework for IoT Implementations IEEE |International CET Conference on Control, Communication, and Computing (IC4)

Certification

- 2018-07 Certified Ethical Hacker (C|EH v10)
- 2018-10 Nessus Certificate of Proficiency

(Name and designation along with a brief profile of the resource person)

Date(s): 11 March 2019



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Duration: One Day.

Target Audience: Computer Science Students (3rd Year)

Brief about the event: (Overview of the event, highlighting the need and what it would cater to the target audience.)

A One Day Workshop by Mr.Navaneeth Krishnan, Cyber Security Analyst and Certified Ethical Hacker, Tata Consultancy Services, Chennai, has ignited the students mind on the issues of cyber security and its impact on internet based transactions. The popularity of internet comes along with negative effect of insecurity to internet based transactions, which poses the need of knowledge on cyber security issues and possible solutions. The basic knowledge of cyber security would help the students to keep their internet based transactions safe and encourage the students to develop new algorithms to provide more security for internet based applications.

Keynotes from the address: (Extracts from the talk of the Resource Person. Also a note on guests and their addresses to the audience if ever the event had a formal function)

Mr.Navaneeth Krishnan, Cyber Security Analyst and Certified Ethical Hacker, Tata Consultancy Services, Chennai, delivered a one day workshop on "Cyber Security" for 3rd Year CSE Students. The workshop was conducted in two sessions. In the morning session, the speaker addressed about basics of cyber security and issues related to internet security. In the afternoon Session, the speaker showcased through practical some of the security flaws in existing internet, data breach issues and possible ethical hacking for security issues, data breach.



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Figure 1. Mr. Navaneeth Krishnan addressing the students about basics of cyber security and issues related to internet security



Figure 2. Practical session on cyber security and issues related to Internet security

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, Accredited by NBA

ONE DAY WORKSHOP ON CYBER SECURITY BY Mr.NAVANEETH KRISHNAN ON 11-3-19 PARTICIPANT – ATTENDANCE

Sl.No	USN	NAME	Student Signature (Morning Session -11-3-19)	Student Signature (Afternoon Session-11-3-19)
1,	4MT16CS002	ABOOBAKKAR AFRID	94.0	Jesi01-11-3-19)
2,	4MT16CS003	ADARSH KRISHNA REVANKAR		
3.	4MT16CS005	AKASH SHIVARAMA POOJARY		
4.	4MT16CS006	AKSHARI K C	Akslosp	Akrhari
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65.	4MT16CS066	Rai Anurag Harish	9 . 10	
66.	4MT16CS067	Rajatha	Rajatha-	Rajotha.
67.	4MT16CS067	Raksha N Kamath		- 6
68.		Ramya kirana	(DIN)	
	4MT16CS069	Reena Mario Machodo	Reene.	Reene,
69.	4MT16CS070	Reevan Christopher C	Jan 5	10000
70.	4MT16CS071	Rishika M r	Rehik.	De l'ale
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		Riya Manoj	NAANT-V7Y	1 0 1 2 7 7 7

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73.	4MT16CS074	Punach Vanad		
74.	4MT16CS075	Rupesh Kamath	1/ #	
75.	4MT16CS076	Sai Sooraj	Marin	
76.	4MT16CS077	Salin Madusha s	MOL	MILL
77.	4MT16CS078	Sameeksha	Sonif	Sant
78.	4MT16CS078	Sanidhya K G	0850	Chr
79.	4MT16CS079	Sannidhi S shetty	Remaidhe	1 Comidia
80.	4MT16CS080	Sapna B Shetty	A	98
	4MT16CS081	Shafiyali M	Boanti	Grania la
81.	4MT16CS082	Shanthkumar B	Shoot	01 1 5
82.	4MT16CS083	Sharon Sunny	Somer	
83.	4MT16CS085	sheethal Y	21/-	
84.	4MT16CS086	Shetty Aditya C	CATTE	
85.	4MT16CS087	Shetty Siddanth S	S. Milt	SOUTH
86.	4MT16CS088	Shetty suyash Surendra	Avitu	
87,	4MT16CS089	Shivani Moger	Green.	oner.
88.	4MT16CS090	Shivani Y	Rivali	Sivo
89.	4MT16CS091	Shobhith Nayak	Shelin	Shahlin
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		- Pin Crauceh		

CORALINALAT

11/3/2019

NOTICE

Date: 11-03-2019

CORE is organizing a One day workshop on "Linux for computer science Engineers" on 12/03/2019 at Auditorium 2. All the 2nd year computer science and Engineering students are directed to attend the same.

Core Staff Coordinator

HOD

COPY TO:

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Badaga Mijar, Moodbidri-574225

Department of Computer Science & Engineering

Report on the Technical Talk

Title: Workshop on LINUX for Computer Science Engineers

Resource Person(s) / Organization(s): Mr. Manmohan K, Asst.Professor-Selection Grade , CS&Engg. dept., MIT, Manipal.

Qualification: B.E., M.Tech(CS).

CURRENT ACADEMIC ROLE & RESPONSIBILITIES

- Assistant Professor Selection Grade, Department of Computer Science & Engineering.
- Subject coordinator for Computer Communication and Networks.

AREAS OF INTEREST

Computer Networks and Security, Linux & Open Source Technologies

(Name and designation along with a brief profile of the resource person)

Date(s): 12 March 2019

Duration: One Day.

Target Audience: Computer Science Students (2nd Year)

Brief about the event: (Overview of the event, highlighting the need and what it would cater to the target audience.)

A One Day Workshop by Mr. Manmohan K, Asst.Professor-Selection Grade, CS&Engg. dept., MIT, Manipal, has enlighten the students on basics of Linux operating system and its use for different applications for computer science students. The knowledge on Linux operating system has been a foundation for computer science students to get into the programming domain. The

Page | 1



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Badaga Mijar, Moodbidri-574225

knowledge on Linux operating system and its features for programming would help the computer science students to explore more on programming domain with more practicality of understanding.

Keynotes from the address: (Extracts from the talk of the Resource Person. Also a note on quests and their addresses to the audience if ever the event had a formal function)

Mr. Manmohan K, Asst.Professor-Selection Grade, CS&Engg. dept., MIT, Manipal,, delivered a one day workshop on "Linux for Computer Science Engineers" for 2nd Year CSE Students. The workshop was conducted in two sessions. In the morning session, the speaker addressed about basics of Linux operating system and its features, mainly on GNU debugger "gdb" for programming and debugging features. In the afternoon Session, the speaker conducted practical hands on session on usage of gdb for programming using example programs. In the end, speaker showcased the other features of Linux operating system for day to day applications.



Figure 1. Mr. Manmohan K addressing the students about basics of Linux operating system and GNU debugger



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One Day Workshop ON Linux for Computer Science BY Mr. Manmohan K, ON 12-03-19 PARTICIPANT – ATTENDANCE

SLNo	USN	Name	Present (P) / Absent (A)
1.	4MT17CS001	A K NASEEM	resent (F) / Absent (A)
2.	4MT17CS002	AAYUSH AMAN	P
3.	4MT17CS003	ABHIJITH NAIR	A
4.	4MT17CS004	ABHISHEK CHANDRAN	<i>></i>
5.	4MT17CS005	ABIGAL SHARAL MATHIAS	P
6.	4MT17CS006	ABREEZ MUSADIK MAMBRA	H
7.	4MT17CS007	AISHWARYA K	A
8.	4MT17CS008	AKSHAY AS	Р
9.	4MT17CS009	AKSHAY A P	P
10.	4MT17CS010	AKSHAY RAMACHANDRAN	ρ
11.	4MT17CS011	ALBIN BABY	\mathcal{A}
12.	4MT17CS012	ALIFA ARA SHAIKH	P
13.	4MT17CS013	AMBIKA G PRABHU	P
14.	4MT17CS014		A
15.	4MT17CS015	AMRUTHA BAPU GAIKWAD ANANYA P SHETTY	P
16.	4MT17CS016	ANIL KUMAR	A
17.	4MT17CS017	ANIMESH MEHTA	P
18.	4MT17CS018	APOORV KUMAR	\mathcal{A}
19.	4MT17CS019	ARAVIND PRAVEEN	ρ
20.	4MT17CS020		А
21.	4MT17CS021	ARJUN ANOOP KUMAR A	p
22.	4MT17CS022	ARJUN SUDARSANAN	ρ
23.	4MT17CS023	ARYA SURESH	
24.	4MT17CS024	AVINASH GODVIN D ALMIEDA	P
25.	4MT17CS025	B M NAGASHREE	P
26.	4MT17CS026	BETSY BABY	A
27.	4MT17CS027	BHAGYASHREE	A
28.	4MT17CS028	BHARATH KUMAR	P
29.	4MT17CS029	BINDIYA C M	P
30.	4MT17CS030	C S APOORVA DARSHAN S	P
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3	1. 4MT17CS031	DERRYL ASHWIN ARANHA	A
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3.	3. 4MT17CS034	DONNA GRACE	'A
34	4. 4MT17CS035	ELVEENA CRYSTAL VAS	P
3.	5. 4MT17CS036	EUREKA S	P
36	. 4MT17CS037	FATHIMA ANISHA	P
37	. 4MT17CS038	FLOYD SHON NORONHA	A
38	4MT17CS039	GALWIN BRITO	P
39	4MT17CS040	GANESH NAIK	P
40	. 4MT17CS041	GAUTHAMI U G	А
41	4MT17CS042	HAIMASHREELAKSHMI	P
42	4MT17CS043	HARSHITHA M V	A
43.	4MT17CS044	JOVITA DIANA DMELLO	P
44.	4MT17CS045	KARTHIK K KUMAR	P
45.	4MT17CS046	KARTHIK R	A
46.	4MT17CS047	KARTHIKEYA V SALIGRAM	p
47.	4MT17CS048	KEERTHINA V SHETTY	P
48.	4MT17CS049	KRITHI KINI	A
49.	4MT17CS050	KSHITHIJ S BHANDARY	r
50.	4MT17CS051	LENISHA NIHAL FERNANDES	D
51.	4MT17CS052	MALISSA LIANA RODRIGUES	Ω
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53.	4MT17CS055	MANSHI GUPTA	P
54.	4MT17CS056	MD NOORUZAMAN	A
55.	4MT17CS057	MEGHANA SHARMA	P
56.	4MT17CS058	MILIND BIJUKUMAR	P
57.	4MT17CS059	MITHUN N	<i>b</i>
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78.	4MT17CS078	PRARTHANA H R	Р
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81.	4MT17CS081	PREMSHANKAR MISHRA	P
82.	4MT17CS082	RAJANI R KULAL	A
83.	4MT17CS083	RAKSHITHA	P
84.	4MT17CS084	RHUTHVIK P	1
85.	4MT17CS085	ROSHAN NAYAK R	P
86.	4MT17CS086	S L THRISHUL SHERIGAR	A
87.	4MT17CS087	S SHAMANTH	<i>*</i>
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92.	4MT17CS093	SHAIKH MOHAMMED RIHAAN	A
93.	4MT17CS094	SHAMEEL AHMED	P
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96.	4MT17CS097	SHASHAN RAM K	P
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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING DEPT. COMPUTER SCIENCE AND ENGINEEING

NOTICE

Date: 10-04-2019

CORE is organizing a one-day workshop on "Image Processing using SciLab" on 11/04/2019 at auditorium 2. All the 3rd year computer science and engineering students are directed to attend the same.

Core Staff Coordinator

Head of the Dept. of Comp. Sci. & Engg Mangalore Institute of Technology & Engineering Badaga Mijar. MOODBIDHI - 574 225

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Badaga Mijar, Moodbidri-574225

Department of Computer Science & Engineering

Report on the Technical Talk

Title: Workshop on Image Processing using SciLab

Resource Person(s)/ Organization(s): Dr. Venugopal P S, Associate Professor, Dept of CSE, NMAMIT, Nitte.

Educational Qualifications

- B. E KVG College of Engineering, Sullia
- . M. Tech NITK, Surathkal
- Ph D VTU, Belagavi

Past Experience

Working at NMAMIT since 2002

Areas of Interest

- Android Programming
- · Image and Video processing
- Python
- Java programming
- Machine learning

Conference/Journal publications

National Conferences

- Venugopala P. S, Dr. Sarojadevi H., Dr. Niranjan N C., Vani Bhat, Video Watermarking by Adjusting Pixel Values using Image Bit Planes, International Conference on Emerging Trends in Engineering. NMAMIT, Nitte, 15-16th May 2012.
- Venugopala P. S, Dr. Sarojadevi H., Dr. Niranjan N C., Vani Bhat, Invisible Image Watermarking Using Bit Substitution, International conference on Evolutionary trends in information technology, VTU, Belgaum, 5-6th October 2012.



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 Venugopala P. S., Dr. Sarojadevi H., Dr. Niranjan N C., Savitha G., Object Detection and Extraction for Image Tagging on Android Platform, International Conference on Emerging Trends in Engineering – 2013 NMAMIT, Nitte, May 15th and 16th, 2013. Pp52-54. ISBN: 9789382880295

(Name and designation along with a brief profile of the resource person)

Date(s): 11 April 2019

Duration: One Day.

Target Audience: Computer Science Students (3rd Year)

Brief about the event: (Overview of the event, highlighting the need and what it would cater to the target audience.)

A One Day Workshop by Dr.Venugopal P S, Associate Professor, Dept of CSE, NMAMIT, Nitte has enlighten the students on the fundamentals of image processing. The wide spread use of image processing for different applications poses the need of image processing knowledge for proposing novel image processing solutions. The acquired knowledge on image processing would help the students to resolve the challenges of image processing domain and take up the image processing related projects.

Keynotes from the address: (Extracts from the talk of the Resource Person. Also a note on guests and their addresses to the audience if ever the event had a formal function)

Dr. Venugopal P S, Associate Professor, Dept of CSE, NMAMIT, Nitte, delivered a one day workshop on "Cyber Security" for 3rd Year CSE Students. The workshop was conducted in two sessions. In the morning session, the speaker addressed about basics of image processing and scilab tool. In the afternoon Session, the speaker conducted practical hands on session on different image processing operations using scilab tool and discussed about the possible forthcoming projects on image processing.



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Figure 1.Resource person Dr. Venugopal P S with Head CSE, Dr. P V Bhat and 3rd year CSE students



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Figure 2. Hands-on session on different image processing operations using scilab tool



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, Accredited by NBA

ONE DAY WORKSHOP ON IMAGE PROCESSING USING SCILAB

11th APRIL 2019 - ATTENDANCE (Mounting)

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1	4MT17CS012	4CS1	ALIFA ARA SHAIKH	Collective.
2	4MT17CS035	4CS1	ELVEENA CRYSTAL VAS	Elders
3	4MT17CS055	4CS1	MANSHI GUPTA	Marshi
4	4MT17CS058	4CS1	MILIND BIJUKUMAR	(held)
5	4MT17CS060	4CS1	MUHAMMED RIZWAN	Anter
6	4MT17CS068	4CS2	PALLAVI SHARMA	#
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10	4MT17CS083	4CS2	RAKSHITHA	Ratolitha
11	4MT17CS073	4CS2	POOJARI SOURABH SATHISH	- January
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13	4MT16CS007	6CS1	AKSHAYA M	Akshiesia
14	4MT16CS012	6CS1	ANUSHA K R	
15	4MT16CS016	6CS1	ARPITH S	Anuel
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23	4MT16CS108	6CS2	VAISHNAV RAGHU JOIS	1
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26	4MT15CS080	8CS2	MOOLYA RAVI RAMESH	Parithe
27	4MT15CS08	8CS2	SAIKIRAN	
28	4MT15CS096	8CS2	SHWETA SHERIGAR	Baitin.
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Badaga Mijar, Moodbidri-574225

Department of Electronics and Communication Engineering

Date: 12/11/2018

CIRCULAR

A Technical talk by Mr. Mohammed Sadiq, Director, Tech-Graylogix, Mangalore is arranged on 15/11/2018. All are hereby requested to attend the session.

Topic: "Microcontrollers, Open-Source Tools & Embedded Application"

Time: 11:00 AM

Venue: Auditorium-2

Mangalore Institute of Technology & Engineerin Badaga Mijar, MOODBIDRI - 574 225



(An ISO 9001:2008 Certified Institution) (A Unit of Rajalaxmi Education Trust) Badaga Mijar, Moodbidri-574225

Department of Electronics and Communication Engineering

Activity Report

Title

: Technical talk on "Microcontrollers, Open-Source Tools &

Embedded Application"

Resource Person

: Mr. Mohammed Sadiq,

Director, Tech-Graylogix, Mangalore.

Date

: 15/11/2018

Time

: 11.00 AM to 04.00 PM

Target Audience

: 3rd Year Students of ECE

Profile of the Speaker:

Mr. Mohammed Sadiq is working as a Director of Tech-Graylogix Mangalore. Mr. Mohammed Sadiq is having 12 years of experience in design and development of embedded electronics applications. Tech-Graylogix provides hardware and embedded software development, customized product design, sales/marketing of embedded products/services, web designing and server management.

Keynote address:

In his address, Mr. Sadiq spoke on the aspects of selecting microcontroller depending upon the need, requirements, ambiance, number of I/O peripherals, power management and speed of process commands. He briefed on the functionality of vital electronic components, importance of regulated power supply and voltage comparators in sensor design, relay switching mechanism from heavy loads. He also inspired & motivated the students to make use of Microcontrollers in their academic/innovative projects.

He started the session by explaining the history of Microcontrollers starting from 8 bit and 16 bit Microcontroller, their memory organisation, parallel and serial I/Os, Timers and Signal generators, ADC and DAC devices. He stated that 16-bit microcontroller has greater precision and higher performance as compared to 8-bit controller. It can automatically operate on two 16 bit numbers. Examples of 16-bit microcontroller are 16-bit MCUs such as extended

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Badaga Mijar, Moodbidri-574225

Department of Electronics and Communication Engineering

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Date 15-11-2018

Student Attendance

			Section: 5EC-1
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9	4MT16EC012	AMRUTHA .	(40)
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15	4MT16EC018	BHARGAVA KRISHNA S K	Bagavarese
16	4MT16EC019	BHUVANESH G B	R
17	4MT16EC020	CHAHANYA M S	Chaitalya
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21	4MTT6EC025	DANIYA DCRUZ	Dangen
22	4MT16EC027	DHANYASHREE DINESH	Haroka
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28	4MT16EC033	JASMIN CARON SANTHMAYOR	-6/2
29	4MT16EC034	JENISHA COELHO	Conicha
30	4MT16EC035	KARANTH SHREYAS VASUDEV	Storya. Koranh
31	4MT16EC037	KAVANA G G	Gravana
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33	4MT16EC039	KAVYAS	Kuuyo'S
34	4MT16EC041	KHALID MOHIDIN MOHAMMED	Whatid
35	4MT16EC044	KUKKUDAMANE AISHWARYA SHETTY	CAT

Mangalore Institute of Technology and Engineering (An 150 9001:2015 Certified Institution) Badaga Mijar, Moodbidri-574225

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38	4MT16EC047	MELRINE AQUILA SALDANHA	Adrik
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45	T4MT16EC056	NISARGA KALAGI	Carling's
46	4MT15EC073	SIJITH CYRIAC	A LISE S
47	4MT16EC103	ZAID MOHAMMED	John

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			Section: 5EC-2
S1. No.	LUSN		Signature of Student
31. 110.	1MT16LC057	Name PAVAN M SHETTY	Panel
1	4MT16EC058	POOJARY SHARAN KARUNAKAR	000 jasj
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Department of Mechanical Engineering (Accredited by NBA)

Date: 05/04/2019

CIRCULAR

A two day workshop is organized by Department of Mechanical Engineering on "Workshop on CNC Machine Design and fabrication using Arduino" done by Mr.Nikhil Shankar R, Tech Manager at Skyfi Labson 12/04/19 &13/04/19. Registered students are here by informed to attend the workshop.

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(Accredited by NBA, New Delhi)

TWO DAY WORKSHOP CONDUCTED BY AEROTRIXSKYFI LABS BENGALURU ON: CNC MACHINE USING ARDUINO

Date: 12/04/19 &13/04/19

Venue: PG001

Audience: Mechanical Engineering Students

Guests: Mr. Nikhil Shankar R, Tech Manager at Skyfi Labs

Organized by: Mr. Yajnesha P Shettigar& Mr. Vijaykumar Meti

Course Highlights:

Design and build a CNC machine using Stepper motors, Arduino control board, wooden supports etc. programming of CNC to do the drilling and milling operations. This is a bridge course for mechanical engineers to enter into the field of manufacturing Industries.

Course Structure

Day 1

Session 0: SMS registration: 10min

Session 1: Theory – 3 hrs Lecture by Trainer.

Session 2: -Design and Fabrication 1hrs

Session 3: Fabrication - 4hrs.

Day 2

Session 1: Theory – 3 hrs Lecture by Trainer.

Session 2: Fabrication: 5 hrs.

Topics Covered

- Basics of CNC coding
- Control of Motor Drives
- Motion controls at different axis
- Drilling and Milling operations

POs Mapped:PO1,PO5,P06,PO7,PO9,PO10,PO11,PO12



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This is a brief report of Two day workshop on "CNC Machine using Arduino" conducted on 12/04/19 &13/04/19.Mr. Yajnesha P Shettigar welcomed the speaker of the session, Mr.Nikhil Shankar R,Tech Manager at Skyfi Labs.

The workshop began with an inauguration program where the coordinators of AerotriXskyfi Labs were present. The program was head by the faculty coordinator Mr. Yajnesh P Shettigar, Assistant Professor, Department of Mechanical Engineering along with Mr. Vijaykumar Meti, coordinator MECHMITE. Students were then asked to register using their Cellphones.

In this workshop students learnt about building of CNC Milling machine. The programming of stepper motors is done using Arduino. Students did coding of CNC machine with the support of trainer. The in depth knowledge about the CNC is covered in this workshop, which is most required aspect for the current competitive era for all mechanical engineer. The prototype model is built by students was successfully executed the task link drilling and milling etc.



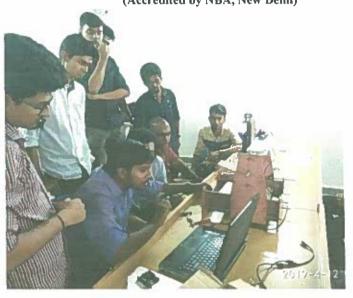
Mr. NikhilShankar R delivering the theoretical session



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Mr. NikhilShankar Rgiving hands on session on CNC



Students building CNC Machine after practical demo

Department of Mechanical Engineering, MITE

Name of the visiting Resource Person: Mr.Nikhil Shankar R,Tech Manager at Skyfi Labs Workshop on CNC Machine using Arduino

Date: 12/04/19 &13/04/19

Duration:2 days

Signature of the resource person:

Audience: ME

VENUE:PG001

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Department of Mechanical Engineering (Accredited by NBA)

Date: 1/10/2018

CIRCULAR

A two day workshop is organized by Department of Mechanical Engineering on "IOT to sustainable Technologies" done by Mr. Ganesh Shankar, Mr. JagatheeswaranSenthilvelan & Mr. Dinesh FluxGen Technologies, Bangalore on 08/10/2018 & 09/10/2018. Registered students are here by informed to attend the workshop.

Head of the Dept. of Machanical Engg Mangalore Institute of Technology & Engineering Badaga Mijar, MOODBIDRI - 574 225



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DEPARTMENT OF MECHANICAL ENGINEERING

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WORKSHOP CONDUCTED BY FLUXGEN TECHNOLOGIES

Conducted by: Mr. Ganesh Shankar, Mr. JagatheeswaranSenthilvelan, Mr. Dinesh.

FluxGen Technologies, Bangalore.

Date: 8th and 9th October, 2018

Course Outcomes:

- Knowledge and understanding of fundamental IOT paradigms, design, construction and programming, both with respect to IoT software and hardware.
- Hands on experience on IOT and an opportunity to develop live projects.
- Industry ready in IoT after the workshop.

Course Contents:

- Introduction
- Case studies- IoT Systems deployed by FluxGen
- Sensors and Actuators
- Interfacing Hardware
- Industry 4.0
- Case studies
- Installations
- Communication Protocols
- Wireless communication
- OSI Layer of IoT
- IoT Platforms
- Mobile application development

Course Structure:

8th October (Day-1)

- 1. Introductory lecture on "Internet of Things Applied to Sustainable Technologies"
- 2. Introduction to Sensors and Actuators for IoT systems, Interfacing circuits, IoT Hardware
- 3. Interfacing Sensors and Actuators with IoT Hardware
- 4. Industry 4.0, Case study of Industry 4.0, IoT Protocols

9th October (Day-2)



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- 5. Basic Communication Protocol & Wireless Communication
- 6. Integrating IoT hardware with Cloud platforms
- 7. Android app development & Integration with IoT hardware
- 8. Demo of a working IoT system

POs Mapped: PO1, PO5, PO7, PO9, PO10, PO12

The workshop began with an Inauguration program of Energy Club by Chief Guests Mr.Ganesh Shankar (Founder and CEO, FluxGen Technologies Bengaluru), Mr.JagatheeswaranSenthilvelan (Head of Innovation and Technology, FluxGen Technologies Bengaluru) were present along with Principal, HOD of Mechanical department. The program was head by the faculty coordinator of the workshop and coordinator of Energy Club Mr. Akshay S Bhat (Assistant Professor, Department of Mechanical Engineering). Students were asked to register for the workshop one week in advance.

The first session started with an Introduction on IOT, How internet is connected to real life things. IOT using services, Applications of IOT. IOT facts- Driver less autonomous cars, Internet connected smart devices, IOT devices in medical field, Application of Internet of things in Automobile sector. Introduction on Cloud Technology. IOT building blocks. IOT value chain. The second session started withprototyping. Prototype making is very important journey of manufacturing and market. It is very important to take the product to the next level. Case studies of solar PV solar micro grid, Smart monitoring system. Case studies of IOT in renewable Energy production. Case studies of solar powered water management using EWM. Solar powered wireless monitoring node. Water flow and level monitoring system. Discussion on Sensors and Actuators. Brief introduction on sensors and actuators. How IOT is different from IT. Working and application of various types of sensors. Eg. Motion sensors - Accelerometer and Gyroscope, Anemometer - to detect wind speed, SHT7x - Humidity and temperature sensor Etc. Brief introduction on Actuators- Piezoelectric actuators, Hydraulic cylinders, About relay and comb drive.



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Third and fourth sessions were hands-on training By JagatheeswaranSenthivelan. The session started by downloading various files, installing files, Distributing Flux Gen kits, Explaining safety measures to handle the kit. Introduction to microprocessors, microcontroller, protocols and cloud. Cloud Analysis, WSN node, explaining its components about actuators and sensors, Potentiometer (POT) - variable resistor, LM35 - temperature sensor, Some Software terms, LED Blink program for Digital input. The remaining sessions conducted were also hands-on training. The students learnt about Analog output- 1. Explaining the program 2. Downloading the code, uploading to the kit, 3. Explained about Mario tone code. Analog Input- Temperature measuring program. Explained about data sheets, how to analyze it, Explained temperature measuring codes. Relay program- Explained Relay mechanism. Incubator Program- Explained the codes, performed the experiment. LED brightness control using potentiometer- Explained the component of kit and conducted the experiment. LED brightness control using LDR- Explained about code used in experiment and Conducted the experiment. Pulse counting- Explained the code, Conducted the experiment. LED and relay control using serial communication- Explained about codes, Conducted experiment.

LED and relay control using Bluetooth - Connecting mobile Bluetooth to the device, Explained the program code, Performing experiment using mobile application. Cloud technology- Creating dashboards, connecting mobile application to the Google Assistant, Setting up Google Assistant, Connecting system to the kit, Explained the codes, Upload the code and perform the experiment. Demo of smart home system.

With this the workshop came to an end. An online feedback report was given by students. The completion of this workshop showed the interest of students towards this new domain that they haven't studied about. Photographs of the event has been shown below in the report. Students received their certificate by completing the online feedback done by the company.



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Fig. 1 Energy club Inauguration by Mr. Ganesh Shankar (CEO, FluxGen Technologies)



Fig.2 Talk by Mr. Ganesh Shankar (CEO, FluxGen Technologies)



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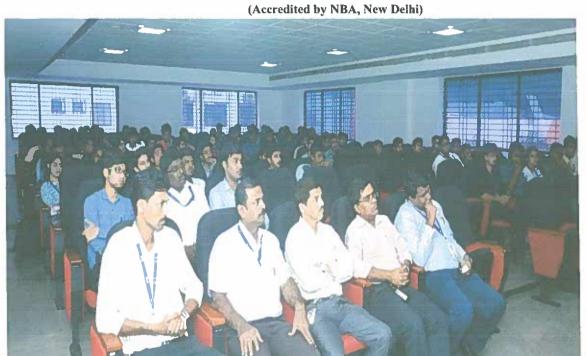


Fig.3 Talk attended by various Department Heads, Faculty and students of MITE

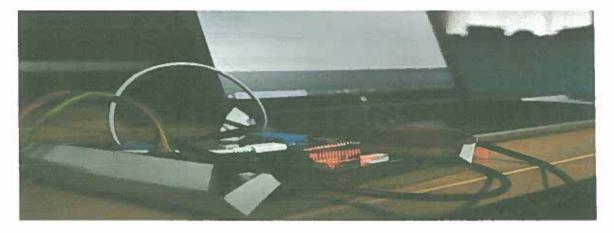


Fig.4 IoT Kits Provided to students for hands-on traning- Day 1



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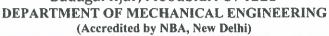






Fig.5 Demo of Smart home implemented for IoT



Fig.6 IoT Implemented to Laptop and Mobile phone



Department of Mechanical Lagineering

Duration 2 Days

Audience: Registered students of Mechanical Engineering & Electronics and Communication Engineering.

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Faculty Incharge:

Akshay S Bhat (Asst, Prof, Dept. Of Mech)

Student coordinators | Deepak Oudhani (5ME2)

SIno	USN	NAME	CLASS	08/10/18 (S1)	08/10/18 (S2)	08/10/18 (S3)	08/10/18 (S4)	09/10/18 (S5)	09/10/18 (56)	09/10/18 (57)	09/10/18 (S8)
ı	4MT16ME123	SADDAM HUSAIN	SME2	Р	Р	P	Р	P	P	P	P
2	4MT16ME029	DENZIL DIAS	SME2	P	Р	Р	Р _	Р	P	P	P
3	4MT16ME122	ROYSTON SALDANHA	5ME2	Р	Р	Р	P	Р	Р	P	P
4	4MT16ME026	DEEEKSHITH.B SALIAN	5ME2	Р	Р	P	Р	Р	Р	P	P
5	4MT16ME050	JEEVAN LOBO	5ME2	Р	Р	Р	Р	Р	Р	P P	P
6	4MT16ME129	SANDESH.R. SHETTY	5ME2	Р	Р	Р	Р	Р	P	Р	<u> </u>
7	4MT16ME127	SANDEEP	SME2	Р	Р	Р	Р	Р	P	P	P
8	4MT15ME086	MOHAMMED SHIFAZ P	7ME3	Р	Р	P	Р	Р	P	Р	P
9	4MT1SME0S2	JABIR.V.P	7ME3	Ρ	Р	P	Р	Р	Р	РР	P
10	4MT16ME075	MOHAMMED AUSAF IHSAAN	5ME3	Р	Р	P	Р	P	ļ P	Р	2
11	4MT16ME065	MOHAMMED GULZAR	5ME3	Р	P	Р	Р	Р	Р	P	Р
12	4MT16ME161	VELSA.S.PINTO	SME1	Р	Р	Р	Р	Р	P	P	P
13	4MT16ME027	DEEEPAK BABURAJ	5ME1	Р	Р	Ρ	Р	P	Р	P	1 2
14	4MT16ME086	SUHAIL SADIQ	5ME1	Р	P	Р	Р	ρ	P	ļ Р	<u> </u>
15		VARUN S BHAT	SME1	ρ	Р	P	Ρ	Р	P	Р	2
16	4MT116ME047		5ME1	Р	Р	Р	Р	Р	P	2	ρ
17		AMAL MADOOSUDHAN	5ME1	Р	Р	Р	Р	Р	Р	2	P
18	4MT16ME016		5ME1	Р	Р	Р	P	Р	Р _	P	?
19	4MT16ME062		5ME1	Р	Р	Р	P	Р	Р	P]	P
20		NAVEEN KUMAR	5ME1	ρ	P	Р	Р	P	P	P	2
21		ROMARIO TOM	5ME1	Р	Р	Р	P	Р	Р	P	P
22		N.VISHWAS HEGDE	5ME1	Р	Р	Р	Р	Р	Ρ	P	2
23		SANDESH SHETTY	5ME1	Р	Р	P	Р	Р	Р	P	
24	4MT16ME008		5ME1	Р	Р	Р	Р	P	Р	Р	Р
25	4MT16ME152		5ME1	Р	Р	Р	Р	Р	P	Ρ	P
		RISHAB H KARKERA	SME1	Р	Р	P	P	Р	P	Р [ρ
26	4MT17ME401		5ME3	Р	Р	Р	Р	Р	P	Р	2
27		RAMSIL MARCORENHAS	SME3	Р	Р	Р	Р	P	P	P	2
28	4M116ME115	GAJENDRA KRISHNA NAIK	5M£1	Р	Р	Р	Ρ	Ρ	٩	?	
29	4M16ME035	VERNON. LAWRENCE.PINTO	5ME1	Р	Р	Ρ	Р	Р	Р	Р	
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31	4MT16ME014		SME1	Р	Р	Р	P	P	Р	?	2
32	4MT16ME140		5ME1	Р	Р	Р	P	Р	P	Р 1	Р
33	4MT16ME067		5ME1	Р	Р	Р	Р	P	Р	Р 1	Р
34	4MT16ME128	SANDESH	7ME3	Р	P	Р	Р	Р	٩	Р	Р
35	4MT16ME418	RAMAKRISHNA MALLYA T	5ME3	Р	Р	P	Р	Р	Р	p	2
36	4MT16ME072	M.ANASS HUSSAIN	5ME3	Р	P	P	Р	Р	P.	P	P
37		MOHAMMED ASEEL	5ME3	Р	P	Р	Р	Р	P	Р	2
38	4MT16ME083	SAHEEM SHEIK		- F	Р	P	Р	Р	9	5	2
39		DEEPAK DUDHANI	5ME2		P	P	Р	Р	P	P	2
40	4MT16ME058		5ME2	P	P	P	Р	Р	P	P	Р
41	4MT16ME053	KR VIGNESH	5ME1	P	P	P	Р	P	P	P	P
42	4MT16ME120	RAOHWIN GLEN DSOUZA	5ME3		P	P	Р	Р	Р	٩	Р
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44	4MT16ME423	RAIAT SHETTY	7ME3	Р	Ρ	F					

46 4MT15ME 47 4MT15ME 48 4MT15ME 49 4MT15ME 50 4MT15ME 51 4MT15ME 52 4MT15ME 53 4MT15ME 55 4MT15ME 56 4MT15ME 57 4MT15ME 58 4MT16ME 60 4MT15ME 60 4MT15ME 61 4MT15ME 62 4MT17ME 63 4MT17ME 64 4MT17ME 65 4MT17ME 66 4MT17ME 67 4MT16ME 69 4MT16ME 69 4MT16ME 70 4MT15ME	124 SHIVOMONDO 1094 NIKHIL JOHNSON 120 RITHIN KUNDAR V 136 CRYSTAL JOYLE NAZARETH 17 RASHAD RAFEEQUE 28 AVILASH 18 RATHAN KUMAR 17 DARSHAN D 102 PAWANRAJ 132 SHAHABAS 104 ADITYANATH K.V 1094 ADITYANATH K.V 1095 AVILASH 1096 AVILASH 1097 AVILASH 1098 PRANAM	7ME1 7ME1 7ME1 7ME2 7ME2 7ME2 7ME2 7ME1 7ME2 7ME2	P P P P P	P P P P P	P P P P	P P P P P	P P P P P	P P P P	P P P P	+
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67 4MT16M 68 4MT16M 69 4MT16M 70 4MT15M 71 4MT16M 72 4MT16M 73 4MT16E 74 4MT16E	165 VISHAL SARVAND	3ME1	P	Р	Р	Р	Р	P	P	
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Faculty incharge:

Akshay Bhat (Asst. Prof, Dept. Of Mech)

Student coordinators:

Deepak Dudhani (5ME2)

Department of Mechatronics

Date: 28/02/2019

Circular

From MAC-X a two-day Hands-On Session on "Project Based Learning using MATLAB and Simulink" will be held on 5th and 6th March 2019. Interested students are informed to register with your class representative on or before 2nd march 2019.

Head of Department

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Department of Mechatronics Engineering

REPORT ON "HANDS-ON SESSION, PROJECT BASED LEARNING USING MATLAB AND SIMULINK" organized by ISTE and MACX, Mechatronics Department.

Date: 5THand 6TH March 2019 Location: Simulation Lab

Two day workshop on Project based learning using MATLAB SIMULINK with hands on sessions was organized by ISTE and MACX, Department of Mechatronics in association with the technical experts from Technoclog, Moodbidri. A total of 35 students from Mechatronics department participated in the workshop.

Vijay Kumar Yadav a resource person from Technoclog introduced the students with MATLAB, scope, toolboxes, importance of MATLAB, working with command window. Students had hands on sessions on MATLAB software which included matrix operations, arrays, working with M-file, built in functions and many more mathematical operations.

On the second day students had sessions on Data Processing, Visualization and Graphics in MATLAB, Graphical User interface, Designing GUI, Writing Scripts for GUI, writing app using 3D plots like surf, Mesh, Contour Creating APP for finding Factorial Finding. The students in the workshop were exposed to Project Implementation and developing an Algorithm model using binary phase shift Keying modulation and Demodulation in Digital Communication systems. Simulink Library, designing Models in Simulink, simulating Models in Simulink, designing Blocks using Scripts in Simulink, scripts, Callbacks in Simulink, applications of Simulink



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Hands on Session by Mr. Vijay Kumar Yadav on simulink

The students had interactive sessions on applications of simulink and its implementation in various application. Awareness was creating regarding usage of simulink in project implementation, advance SIMULINK using automotive and aerospace applications and Simulink fundamentals for aerospace and automotive applications, design a power train vehicle using simscape. Students were also trained to design a mechatronic system model using simulink and simscape tool box, image processing/bio-medical image processing, basics of digital image processing, difference b/w image and digital image, pixel, pixel intensity & gray levels, image vectorization, Image Histogram & Histogram Resizing. Students also learned to create an app for online E-commerce transactions using image processing and Graphical User Interface (GUI) by encryption and decryption of Images.



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Workshop was beneficial to the students as MATLAB & SIMULINK are essential requirements to complete their academic projects and research. This workshop will be a mile stone in student's career which has helped them in laying strong foundation on MATLAB and SIMULINK.



"Hands-On Session, Project Based Learning Using MATLAB and Simulink "

WORKSHOP ON MATLAR & SIMULINK. Date: 5 & 6 March 2019

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Department of Information Science and Engineering

CIRCULAR

Date:1-02-2019

Department of Information Science and Engineering is conducting two days workshop on "The Trends in Internet of Things (IoT)" from 08/02/2019 to 09/02/2019, those who are interested can register in the link provided, which will be mailed to your mail-id.

Time: 9am - 4.30pm

Venue: Audi 2

Head of the Bept. of Info. Sci. & Engg. Mangalore Institute of Technology & Engineering Badaga Mijar, MOODBIDRI - 574 225

Head of Department



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Department of Information Science and Engineering

Two Days Workshop Report on

"THE TRENDS IN INTERNET OF THINGS"

Date:10-02-2019

Department of Information Science and Engineering has organized two days' Workshop on "The Trends in Internet of Things" on 8th&9th of February, 2019 in association with Dlithe for all interested ISE students by Mr. Raveendra.

The inaugural function was hosted by Ms. Varsha K along with a prayer song by Ms. Shreya Bhat. The guests for the program were Mr. Adarsh Raveendra (Trainer), Mr. Sridhar Murthy (Founder of Dlithe), Mr. Manjunath H (HoD of ISE Department) and Mr. Raghavendra M D (Co-Ordinator of Zerone committee





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Dignitaries during the formal inauguration. The Chief Guests for the program were Mr. Adarsh Raveendra (Trainer) and Mr. Sridhar Murthy (Founder of Dlithe).

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

The program completely involved the learners in the IoT platform, allowing them to walk away fully ready to build applications using MQTT and to build IoT dash board. The program includes the absolute basics required to help learners understand the very core of Internet of Things.



Topics Covered:

> Day 1: (08/02/2019)

➤ Session 1:

- Introduction in to Internet
- What is Internet of Things?



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- The Architecture of IoT.
- Use-cases of IoT.

➤ Session 2:

- Programming a Raspberry Pi.
- Controlling LED Through IoT.
- IoT Cloud Connectivity sending data to the cloud.

ightharpoonup Day 2:(09/02/2019)

➤ Session 3:

- Creating a Google action
- Controlling IoT device.
- Understanding IoT protocols.

➤ Session 4:

- Applications were created using MQTT.
- Developing own IoT dash board.

The program bridged the gap between academics and industry, also helped the students to gain deeper knowledge on the trends in Internet of Things.60 students have attended the workshop and remarkable Feedback was received from students.

Head of the Bept. of Info. Sci. & Engg. Mangalore Institute of Technology & Engineering Badaga Mijar, MOODBIDAI 574 225

Head of Department



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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

ATTENDANCE FOR 2 DAYS WORKSHOP ON 10T FROM 8/2/2019 TO 9/2/2019

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5.1.3-ICT/Computing Skills (2017-2018)

SI No	Name of the capacity development and skills enhancement program	Name of the agencies/consultants involved	
1	Bootstrap and AngularJS	Mr. Roshan Fernandes, NMAMIT	
2	Two Days Workshop on Machine Learning and its Applications in Engineering and Technology	Dr. Srikanth Rao, MIT	
3	One day workshop on Analog and Digital circuit using Multisim	Mr. SriKrishna Shastri, MITE	
4	Workshop on Aerotix-Automobile prototyping	Mr Raunak, AerotriX	
5	Lean Six Sigma Green Belt Training	"Dr. Mohammad T. Khasawneh, Watson Institute for Systems Excellence, State University of New York at Binghamton Binghamton	
6	Lean Six Sigma Yellow Belt Training	"Dr. Mohammad T. Khasawneh, Watson Institute for Systems Excellence, State University of New York at Binghamton Binghamton	
7	Android App Development Workshop	Dr. Manoj	

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING DEPT. COMPUTER SCIENCE AND ENGINEEING

NOTICE

Date: 11-10-2017

CORE is organizing a Technical Talk on "Bootstrap and AngularJS" on 12/10/2017 at auditorium 2. All the 3rd year computer science and engineering students are directed to attend the same.

Core Staff Coordinator

Head of the Dept of Corps, 3st entitle, Mangalore Institute of Technology 5, Epoliscond, Bedago Mijor, 40055/081 - 37 / 325

COPY TO:

- 1. Notice Board
- 2. Circulation
- 3. Department Notice File

Department of Computer Science & Engineering Report on the Workshop

Title: Workshop on Bootstrap and Angular JS

Resource Person(s) / Organization(s): ROSHAN FERNANDES, Associate Professor at NMAM Institute of Technology.

Experience: 14 years of Teaching Experience at NMAM Institute of Technology, Nitte.

Education

- o Currently pursuing his PhD inat VTU.....
- o Master of Technology in Computer Engineering (M.Tech) at Sri Jayachamarajendra College of Engineering, Mysore, First Rank with Gold Medal from VTU
- o Bachelor of Engineering (BE) in the Field Of Study Computer Science and **Engineering at MIT, MANIPAL**

(Name and designation along with a brief profile of the resource person)

Date(s): 12 October 2017

Duration: One Day.

Target Audience: Computer Science Students (3rd Year)

Brief about the event: Overview of the event, highlighting the need and what it would cater to the target audience.)

A One Day Workshop by Mr. ROSHAN FERNANDES, Associate Professor at NMAMIT has resolved the youngster myth on creation of attractive user friendly web page using Bootstrap and AngularJS Concepts. The popularity of web application leads to further research on creating attractive and user friendly web sites using advanced concepts like Bootstrap and AngualrJS. The Deeper and practical Insights into efficient web pages would help the students to get into industry.

Keynotes from the address: (Extracts from the talk of the Resource Person. Also a note on guests and their addresses to the audience if ever the event had a formal function) Mr. ROSHAN FERNANDES, Associate Professor at NMAMIT, Nitte, delivered a technical talk on

"Bootstrap and AngularJS" for 3rd Year CSE Students. The workshop was conducted in two sessions. In the morning session, the speaker give an introduction about the basics of HTML and Web Pages. In the afternoon Session, the speaker spoked about Bootstrap and AngularJS programming with practical exposure.

Page 129



Figure 1, Mr. Roshan Fernandes delivering a talk on Bootstrap and AngularJS

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING Accredited by NBA

One Day Workshop on Bootstrap and Angular JS

By: ROSHAN FERNANDES on 12/10/2017 PARTICIPANT ATTENDANCE

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Department of Electronics and Communication Engineering

Date: 2/4//2018

CIRCULAR

A Two day workshop on "Machine Learning and its Applications in Engineering & Technology" is organized on 6th and 7th April 2018. All the 3rd year and 4th year interested students are hereby informed to give their names to the respective class advisor on or before 5/4/18.

Time: 10:00 AM

Venue: Auditorium-2

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Head of the Dept of E & C Engg.

Mangalore Institute of Technology & Engineering

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Department of Electronics and Communication Engineering

Activity Report

Title: Two day workshop on "Machine Learning and its Applications in Engineering & Technology"

Dates: 6th & 7th April 2018

Timings: 10:00 AM to 4:00PM

Target Audience: 3rd and 4th Year Students of ECE

The Department of Electronics and Communication Engineering of MITE Moodbidri, organized two day workshop on "Machine Learning and its Applications in Engineering and Technology" on 6th & 7th of April 2018. Aim of the workshop was to create awareness among the teaching faculties and students about Machine Learning & its applications. The workshop focused on following topics:

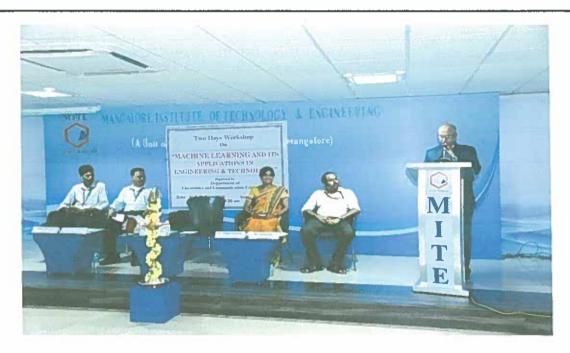
- Building mathematical background to the subject (Linear Algebra and Probability/ Random process ideas)
- Machine learning for Multi-biometric tasks
- Highlighting different aspects of Machine learning
- Applications of Machine learning in various fields ECG, EEG, Weather Forecasting
- Hands on session using appropriate tools for machine learning

Inauguralral Function:

The workshop was inaugurated in auditorium 2 of Academic Block at 10:00 AM on 6th April 2018. Dr. Srikanth Rao, Director, MIT, Manipal was the chief guest. The inaugral function commenced with a prayer song and lighting of the lamp by the dignitaries. Mr. Sathisha S, HoD, Department of Electronics & Communication Engineering, welcomed the gathering. Program co-ordinator Dr. Malini Suvarna introduced the chief guest Dr. Srikanth Rao. Dr C R Rajashekar, Vice-Principal presided the function. Mr Sudarshan Bhat, Assistant Professor, Department of ECE proposed the vote of thanks.



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Day 1: 6/4/2018, Session I

Speaker of the session Dr. Srikanth Rao

The workshop was inaugurated by Dr. Srikanth Rao, Director, MIT, Manipal. Mr. Rao obtained his B E degree in Mechanical Engineering from University of Mysore in 1984 and then completed MTech and PhD from Manipal Academy of Higher Education in the year 1991 and 2009 respectively. In 2012, he was elevated to the post of joint director, MIT and served in that position for three years. In 2015, he was appointed Director Admissions MAHE. His areas of interests include Industrial tribology, Manufacturing process engineering, CAD/CAM, Production & operations management and Technology Management.

Dr. Srikanth Rao enlightened the gathering about the current scenario in the world to catch up the technologies present around us, especially the importance and requirement of Machine learning and its applications in the corporate world. He also explained the various algorithms used in machine learning for the wide range of applications. He encouraged the participants to work for start-ups and also be an entrepreneur with an idea of being a job provider rather than a job seeker and have a basic knowledge about different domains along with the domains which one he or she is good at.



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Day 1: 6/4/2018, Session II

Speaker of the session: Dr Ashok Rao

Dr. Ashok Rao holds B.E, M.E and Ph.D in Electrical Engineering from Mysore University (1982), Indian Institute of Science (IISc), Bangalore (1985) and Indian Institute of Technology, Bombay respectively. He specializes in Digital Signal Processing and is known to be one of the leading figures in this area in INDIA. Dr. Rao guided several post graduate and Ph.D students in the field of E&C and Computer Science areas and he has over 100 publications in reputed journals. He is also a specialist in Solar Photo Voltaic (SPV) and has been trained by Siemens Solar California during 1996-1997. He is also an Entrepreneur having successfully started and managed several IT & Renewable Energy companies during 1998 to 2011.



Dr. Ashok Rao addressed the audience on 'Artificial Neural Networks and its Applications'. He started the session with explanation about the functioning of human brain followed by comparison of brain with traditional computer. The history of artificial neural networks and the basic reason why we are interested building of artificial neural networks. The working of artificial neural networks using Boolean OR and EXOR gates was explained. He stated that artificial neural network consists of a pool of simple processing units which communicate by sending signals to each other over a large number of weighted connections. According to Dr. Rao, artificial neural



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network (ANN) is either a hardware implementation or a computer program which strives to simulate the information processing capabilities of its biological exemplar. ANN is a technique for solving problems by constructing H/W and S/W that works like human brains. Dr. Rao explained backprop algorithm and its implications in artificial intelligence. Applications of ANN in various research and developmental activities such as pattern recognition, data interpretation, prediction, diagnosis, planning, monitoring, debugging, repair, instruction etc were explained in his session. Dr. Rao suggested that there is an urgent need of more complex multi-layer networks to solve more difficult problems. Talk was concluded saying ANN is the initiation of neural networks in much simpler way.

Day 2: 7/4/2018, Session III

Speaker of the session: Dr. Deepu Vijayasenan

The first session of the day II was handled by Dr. Deepu Vijayasenan, Assistant Professor, Department of Electronics and Communication Engineering, NITK, Suratkal. Dr. Deepu Vijayasenan holds a Ph. D from EPFL, Laisanne and Post-Doctoral Degree from University of Saarbreucken Saarland. His areas of interests are Speech Signal Processing, Machine Learning.

Dr. Deepu presented a talk on "Applications of Fuzzy Logic in Engineering and Technology". In this modern era of engineering and technology, innovation has a great demand. Fuzzy logic is a practical mathematical addition to classic Boolean logic. Dr. Vijayasenan also explained the applications of fuzzy logic in numerous electronics and engineering fields such as control systems engineering, image processing, power engineering, industrial automation, robotics, consumer electronics, optimization etc.



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Day 2: 7/4/2018 Session IV

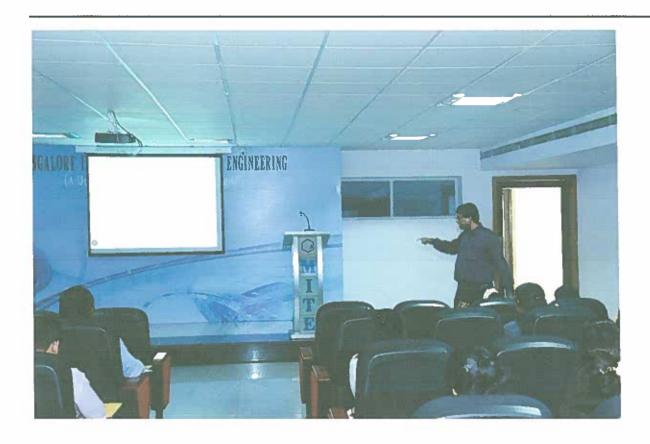
Speaker of the session: Dr. Roshan Joy Martis

Dr. Roshan Joy Martis holds a Ph.D from School of Medical Science and Technology of IIT Kharagpur. He was R & D Engineer at Ngec Ann Polytechnic, Singapore in a Ministry of Education funded project during 2012-2014. He is a senior member of IEEE USA and currently working as a Professor in the Dept. of ECE at VCET Puttur.

Dr. Roshan presented a talk on "Applications of Machine Learning in Engineering and Technology". During this session he explained the applications of machine learning in recent technologies and healthcare informatics system. Dr. Roshan pointed that the development of machine-learning approach can be used in a web-based manner which will give global network for multipurpose applications and can be used in remote monitoring of patients in many healthcare field. Different machine learning applications in biomedical signal analysis, including cardiology, electroencephalography, and electromyography were briefed by Dr. Roshan.



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Day 2: 7/4/2018 Session V

Speaker of the session: Dr. Radhika M. Pai

The last session of the two day workshop handled by Dr. Radhika M. Pai, Professor in the Department of Information and Communication Technology at MIT Manipal. Dr. Radhika has 25 years of teaching experience and expertise in pattern recognition, big data analysis and cloud computing. Dr. Radhika engaged hands-on session using R & R-studio for big data analysis. The resource person shed lights on the concepts of R statistical package and a set of practical exercises based on R programming for big data analysis were demonstrated.

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Badaga Mijar, Moodbidri-574225

Department of Electronics and Communication Engineering

Date: 1/8/2017

CIRCULAR

A One day workshop by Mr. Srikrishna Shastri, Associate Professor, MITE, Moodabidri is arranged on 4/08/2017. All are hereby requested to attend the session.

Topic: "Analog and Digital Circuit Simulation using Multisim"

Time: 9:00 AM

Venue: VLSI-LAB

Head of the Dept. of E & C Engs.
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Department of Electronics and Communication Engineering

Activity Report

Title: One day workshop on "Analog and Digital Circuit Simulation using Multisim"

Resource Person: Mr. Srikrishna Shastri, Associate Professor, MITE, Moodabidri

Date: 4/8/2017

Timings: 9:00 AM to 5:00PM

Target Audience: 2rd year Students of ECE

Profile of the Speaker: Mr. Sri krishna Shastri working as Associate Professor, Department of ECE, MITE, Moodabidri since 2015. He is having around 15 years of experience in teaching.

Keynote address: The main objective of this workshop is to provide the awareness to the students on Simulation of Anolog and Digital Circuits using open source tool. The session started with types of open source tools are available for simulation of analog and digital circuits like PSPICE, MultiSim, SiMetrix, TINA, PowerSim, TopSpice, Circuit Simulator 1.5j, NgSpice, EasyEDA, CircuitLogix, MacSpice, SimScale, Micro-Cap 10, PECS, Proteus, QUCS, Solve Elec, XSpice, ect,.

Then he selected Multisim software, because it is a simulation software developed by National Instruments and it is very popular using in electronic design. This software mainly has been used by engineers, academic professionals and educators, colleges, students, universities. Multisim is used to schematic capture and simulate program of analog, digital and mixed analog/digital circuits. Multisim is also used for printed circuit board design.

He continued with many examples, first he practically shown how to draw schematic circuit design in the Multisim environment by Selecting Components. Basically the multisim having Component Browser, that organize- all the database components in three logical levels. first one is The Master Database which contains all components in a read-only format. The Second one is Corporate Database, in which user can save custom components to be shared with colleagues. The third one is User Database, in which custom components are saved. That can be used only by the specific designer. Generally User database will select for circuit design.

Mangalore Institute of Technology and Engineering the greent 2015 Conflor induses (A one of Engineer advetors Trust Bacaga Maar, Moodhid: 1574245

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Department of Mechanical Engineering (Accredited by NBA)

Date: 15/03/2018

CIRCULAR

A two day workshop is organized by Department of Mechanical Engineering on "Workshop on Aerotix-Automobile prototyping" done by Mr Raunak AerotriX, Bangalore on 23/03/2018 & 24/03/2018. Registered students are here by informed to attend the workshop.

Head of the Dept. of Mechanical Engly Mangalore Institute of Technology & Engineering Badaga Mijar, MOODBIDRI - 574 225



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DEPARTMENT OF MECHANICAL ENGINEERING

(Accredited by NBA, New Delhi)

TWO DAY WORKSHOP CONDUCTED BY AEROTRIXSKYFI LABS BENGALURU ON: CNC MACHINE USING ARDUINO

Date: 12/04/19 &13/04/19

Venue: PG001

Audience: Mechanical Engineering Students

Guests: Mr. Nikhil Shankar R, Tech Manager at Skyfi Labs

Organized by: Mr. Yajnesha P Shettigar& Mr. Vijaykumar Meti

Course Highlights:

Design and build a CNC machine using Stepper motors, Arduino control board, wooden supports etc. programming of CNC to do the drilling and milling operations. This is a bridge course for mechanical engineers to enter into the field of manufacturing Industries.

Course Structure

Day 1

Session 0: SMS registration: 10min

Session 1: Theory – 3 hrs Lecture by Trainer.

Session 2: -Design and Fabrication 1hrs

Session 3: Fabrication - 4hrs.

Day 2

Session 1: Theory -3 hrs Lecture by Trainer.

Session 2: Fabrication: 5 hrs.

Topics Covered

- Basics of CNC coding
- Control of Motor Drives
- Motion controls at different axis
- Drilling and Milling operations

POs Mapped: PO1, PO5, P06, PO7, PO9, PO10, PO11, PO12



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DEPARTMENT OF MECHANICAL ENGINEERING
(Accredited by NBA, New Delhi)



This is a brief report of Two day workshop on "CNC Machine using Arduino" conducted on 12/04/19 &13/04/19.Mr. Yajnesha P Shettigar welcomed the speaker of the session, Mr.Nikhil Shankar R,Tech Manager at Skyfi Labs.

The workshop began with an inauguration program where the coordinators of AerotriXskyfi Labs were present. The program was head by the faculty coordinator Mr. Yajnesh P Shettigar, Assistant Professor, Department of Mechanical Engineering along with Mr. Vijaykumar Meti, coordinator MECHMITE. Students were then asked to register using their Cellphones.

In this workshop students learnt about building of CNC Milling machine. The programming of stepper motors is done using Arduino. Students did coding of CNC machine with the support of trainer. The in depth knowledge about the CNC is covered in this workshop, which is most required aspect for the current competitive era for all mechanical engineer. The prototype model is built by students was successfully executed the task link drilling and milling etc.

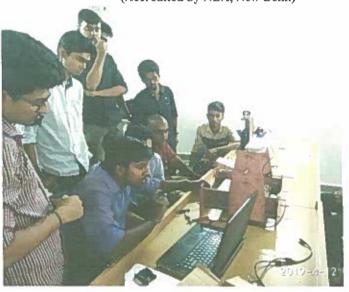


Mr. NikhilShankar R delivering the theoretical session



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Mr. NikhilShankar Rgiving hands on session on CNC



Students building CNC Machine after practical demo



Department of Mechanical Engineering

Name of the visiting Company: Mr. Ronak, AerotriX, Skyfi lab, Bangalore

Topic covered: 3D PRINTING

Course/CO/PO mapped:

Date: 23.03.2018 and 24.03.2018

Signature of the resource person:

Audience: Registered students of Mechanical Engineering

		•••		
Slno	USN	NAME	CLASS	23/03/18 Am 23/03/18 Pm 24/03/18 Am 24/03/18 Pm
J	4MT16ME013	AMAL MADHUSOOTHANAN	4MEI	المام المواد الموادل الموادل الموادل
2	4MT16ME027	DEEPAK BABURAJ	4MEI	Just Just Just
3	4MT16ME034	GAGAN G AMIN	4MEI	La Just Litter Litter
4	4MT16ME047	IMAAD SALIM SHAIKH	4MEI	- 11000 - 11000 - 11000 - 1100
5	4MT16ME134	SHAMANTH S SHETTY	4MEI	- Said - Said - July
6	4MT16ME086	MOHAMMED SUHAIL SADIQ	4MEI	March Agree & State of the second
7	4MT16MT012	VELSA HARSHIKESH WADGAVE	4MEI	V DOWN CONTRACTOR
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Duration: 2 Days

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Faculty incharge:

Student coordinators: Shavad. B. Andon (4MTITME424)



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Department of Mechanical Engineering

Date: 09/04/2018

CIRCULAR

A Six day workshop is organized by Department of Mechanical Engineering on "Lean Six Sigma Green Belt Training" done by Dr. Mohammad T. Khasawneh Binghamton, New York 13902, USA on 16/04/2018 - 21/04/2018. Registered students are here by informed to attend the workshop.

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Badaga Mijar, Moodabidri

LEAN SIX SIGMA GREEN BELT TRAINING

Department of Mechanical Engineering of Mangalore Institute of Technology & Engineering (MITE), Moodabidri in collaboration with Binghamton University, State University of New York organized a five days "Lean Six Sigma Green Belt Training (LSSGBT)" from April 16th to 21st, 2018 at MITE campus. Dr. Mohammad T. Khasawneh, Professor & Chair, Systems Science and Industrial Engineering, Thomas J.Watson School of Engineering and Applied Science State University of New York at Binghamton, New York 13902, USA conducted training sessions on various aspects of lean six sigma. Around 50 students from Mechanical Engineering discipline participated in the program and benefited by acquiring the knowledge on applications of Lean Six Sigma. The welcome address is given by Dr. Rajashekara, HOD, Mechanical engineering, MITE.



Figure 1. Lean Six Sigma Green Belt Training by Dr. Mohammad T. Khasawneh.



Figure 2. Participants for Lean Six Sigma Green Belt Training

The training program handout and data spreadsheet was shared with all the participating students on 10th April 2018. In addition to the above training sessions, Professor offered students to access a pre-recorded Statistics course. This course of 6.5 hours duration would serve as an excellent pre-requisite for students enrolled in the training program. The Link, username and password for this course was mailed to all students well before the commencement of the program.

Following are the topics covered in various session spread over five days. DAY 1

The program scheduled on 16th April 18, 2018 at 1.30pm to 6pm with appropriate break times. Professor did the revision of yellow belt training. Continuous improvement process, Fundamental concepts and Lean are the topics covered on the day 1.

DAY 2

On Day 2, Introduction to Six Sigma and DAMIC frame work was covered by professor. The students were informed to download MINITAB and Microsoft excel for problem solving. Define, Measure & Analyse phases were discussed in detail on the same day.

DAY 3

Improve and Control phase was discussed in detail. An understanding of Design of experiments (DOE) & statistical models and their associated procedures used to analyze the differences among group means by Analysis of variance (ANOVA). Case study on lean Six Sigma was done on the same day. Exam overview and instructions are given to students in afternoon session.

Mangalore Institute of Technology and Engineering, Mangalore Department of Mechanical Engineering

List of Students Registered for Lean Six Sigma Green belt certification course (16th-21st April 2018)

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SI No	USN	Name of the Student	16.4.2018	17.4.2018	1		_	
1	4MT14ME007	Abhilash Jose	A BB	HANNE THE	Alexander	Aphillet	-4121802	- delimination
2		Mohana H Padmashali	morene	Mohena				
3	4MT13ME108	Nishad M T	Nahada	Megae	Nhh	Naha	Nutres	Milliamo
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5	4MT15ME427	Sudhakar I Hugar	AB	Silvar	cillus	c. W. Higas	S. Hugert	
6	4MT15ME431	Vinay Kumar G M	P. Nosles (Dwo do 4.	Jug Leng	Duelary.	Dust Lowe	gusu Lan C
7	4MT11ME096	Samarth B Hegde						
8	4MT13ME138	Sathwik J	O	AR SO				
9	4MT14ME139	Saurabh Shrikanth Shetty	AB	aAK				
10	4MT14ME147	Shetty Shishir Sudhakar	Shrill.	Shity	guitt.			
11	4MT14ME023	Ashish J Shetty	Souls .	Sherry	Ahotto	Aulas	Hall -	X
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45		Deepak Prakashan			- Ch-		505	
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Department of Mechanical Engineering

Date: 02/07/2017

CIRCULAR

A three day workshop is organized by Department of Mechanical Engineering on "Lean Six Sigma Yellow Belt Training" done by Dr. Mohammad T. Khasawneh Binghamton, New York 13902, USA on 07/09/2017 - 09/09/2017. Registered students are here by informed to attend the workshop.

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Badaga Mijar, Moodabidri

Report of Technical talk

1. Title: Lean Six Sigma Yellow Belt Training

2. Date organized: 07/09/2017 - 09/09/2017

3. Resource person name & Brief Description



Dr. Mohammad T. Khasawneh, Ph.D.
Professor& Chair, Systems Science and Industrial Engineering
Associate Director, Watson Institute for Systems Excellence
Director, Healthcare Systems Engineering Center
Graduate Program Director, Executive Master of Science in Health Systems
Graduate Program Director, Industrial and Systems Engineering
Thomas J. Watson School of Engineering and Applied Science
State University of New York at Binghamton
Binghamton, New York 13902, USA

4. **Duration**: 03 days

5. Topics Covered:

a. Six Sigma Principles

b. Six Sigma Tools for Analyse

6. Venue: Auditorium I

7. Attendance Sheet: Attached

8. Outcome of the Talk: Students were able learn proven principles and tools specific to six sigma and lean.

9. Program Coordinator: Mr. Rahul Sanjiv

10. Total Number of Students: 57

Mangalore

Department of Mechanical Engineering List of Students Registered for Lean Six Sigma Yellow belt certification course

SI No	USN	Name of the Student	Email	Deductions	Final % Grade
1	4MT14ME007	Abhilash Jose	abhijos07@gmail.com	20	84.13
2	4MT14ME090	Mohana H Padmashali	mohanapadmashali@gmail.com	22.5	82.14
3	4MT14MT022	JITHIN C JOSEPH	jithinc.jcj@gmail.com	23.5	81.35
4	4MT13ME108	Nishad M T	mtnihad@gmail.com	25	80.16
õ	4MT14MT044	SARTHAK VASANTH	sarthakvasanth96@gmail.com	25	80.16
6	4MT15ME412	MALLIKARJUNA	cmkp777@gmail.com	25.5	79.76
7	4MT15ME427	Sudhakar I Hugar	sudhakarhugar32@gmail.com	25.5	79.76
8	4MT15ME431	Vinay Kumar G M	vartsoo7@gmail.com	25.5	79.76
9	4MT11ME096	Samarth B Hegde	Samarth.hedge0@gmail.com	25.5	79.76
10	4MT13ME138	Sathwik J	SATHWIK25@gmail.com	25.5	79.76
11	4MT14ME139	Saurabh Shrikanth Shetty	saurabh.shetty3096@gmail.com	26.5	78.97
12	4MT14ME147	Shetty Shishir Sudhakar	shishirshottytaurus02@yahoo.in	26.5	78.97
13	4MT14ME023	Ashish J Shetty	ashish.shetty09@gmail.com	27	78.57
14	4MT13ME097	Muhammed Muqsith	Muhammedmuqsith999@gmail.com	27	78.57
15	4MT14ME113	Prajwal	Prajwalrwr316@gmail.com	27	78.57
16	4MT13ME033	Aravind M	aravindm005@gmail.com	27	78.57
17	4MT14ME108	Pinto Merwin Maxim	mervinm96@gmail.com	27.5	78.17
18	4MT14ME152	Srikanth Sonkar	Srikorth.Sonkar400@gmail.com	27,5	78.17

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		179			
19	4MT14ME065	Kotresh B	kotreshb10@gmail.com	29	76.98
	4MT14ME088	Mohammed Safwan	mohammedsafwan978@gmail.com	29.5	76.59
20	4MT14ME035	Deepu John	deepujohn04@gmail.com	30	76.19
21	4MT14ME079	Mohammad Bilal	Sam-bilal997@hotmail.com	30.5	75.79
22	4MT14ME073	Syed Nifal	Syednifal.10@gmail.com	30,5	75.79
23	4MT14ME138	Prathyushraj	pratoosh11@gmail.com	31.5	75.00
24		R Ganesh Kumar	rganeshkumar5@gmail.com	31.5	75.00
25	4MT15ME420	Mazhar Maharoof	maju789@gmail.com	31.5	75.00
26	4MT14ME075	Mohammed Ances K P	aneesgc@gmail.com	31.5	75.00
27	4MT14ME082		guadraspreston@gmail.com	32	74.60
28	4MT14ME120	Preston Cyril Quadras	anikedhsuresh@gmail.com	32	74.60
29	4MT14ME018	Anikedh Sresh	priyagkomath@gmail.com	32.5	74.21
30	4MT14ME121	Priyag K	vishnurajeev830@gmail.com	33	73.81
31	4MT14ME174	Vishnu Rajeev		33	73.81
32	4MT14ME086	Mohammed Kenz	Mohanmmedkenz5678@gmail.com	33	73.81
33	4MT14ME156	Stephin Raj	rajstephin@yahoo.com		73.41
34	4MT14ME095	Muhammed Muzain	muzain.mm@gmail.com	33.5	
35	4MT14ME091	Muhammed Aadhil K S	zadil09@gmail.com	35	72.22
36	4MT14ME101	Nelson Rodrigues	nelsonrodrigues1997@gmail.com	35	72.22
37	4MT15ME424	Sharad B Anchan	Sharad.anchan5@gmail.com	35	72.22
	4MT14ME022	Ashil Santhosh Vadakkoot	ashilsv08@gmail.com	35.5	71.83
38	4MT14ME022 4MT14AE050	UMA SHANKAR	rajushankar676@gmail.com	35.5	71.83
39			rolsonr15@gmail.com	36	71.43
40	4MT14ME131	Rolson Rebello	abhishekbr.113@gmail.com	36	71.43
41	4MT14ME008	Abhishek B R		36.5	71.03
42	4MT14ME030	Daryll Paul Lewis	daryllpaullewis@gmail.com		Page 162

. i		Shreeganesh S Thantri	shreegs67@gmail.com	36,5	71.03
43	4MT14ME150			37	70.63
44	4MT14ME132	Roshan Chetan Habbu	roshanhabbu@gmail.com	37	70.63
45	4MT14ME094	Mohd Fazal Ismail	fazalismayil@gmail.com		
46	4MT15ME417	Prajwal A Suvarna	pasuvarna727@gmail.com	37	70.63
	4MT14MT019	GAGANDEEP K	gagandeep.n2@gmail.com	37	70.63
47			akshaygopinath@gmail.com	37.5	70.24
48	4MT14ME016	Akshay Gopinath		37.5	70.24
49	4MT14ME034	Deepak Prakashan	dpkprk96@gmail.com		70.24
50	4MT15ME428	Surendra M	sanilsurendra@gmail.com	37.5	
51	4MT14ME173	Vishnu N	vishnuneyyath55@gmail.com	42	66.67
	4MT15ME415	Mohammed Mansoor Ahmed	mmasakq121@gmail.com	42	66.67
52			udhaysy172@gmail.com	44.5	64.68
53	4MT14ME162	Uday S Yargambalimath		45.5	63.89
54	4MT15ME407	Gadilingappa S	gadilingappa369@gmail.com		
55	4MT14ME140	Sawood Sharief S	sawoodsharief@gmail.com	46.5	63.10
56	4MT14ME032	Deekshith D Hegde	deekshithvenur@gmail.com	48	61.90
 			devadiga949@gmail.com	48	61.90
57	4MT14ME115	Prajwal P Devadiga	devocines-100		

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI

(An ISO 9001 2008 Certified Institution) (A unit of Rajalarmi Education Trust' Mangalores

Department of Information Science and Engineering

Date: 15/3/2018

17-18

CIRCULAR

All the Students of 6th semester are informed to attend two days workshop on "APP DEV USING ANDROID" from 23/03/2018 to 24/03/2018.

Venue: Audi2

(Mr.Manjunath H)

Dept of into Sci & Engg. Mangalore Institute of Tochnology & Engineering Badaga Mijar MOODBIDAI 574 225



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Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi

Department of Information Science and Engineering

Two Days Workshop Report on

"APP DEVELOPMENT USING ANDROID"

Date: 24-03-2018

Department of Information Science and Engineering has organized two days' Workshop on "App Development using Android" on 23rd & 24th of March, 2018 for all 6th semester ISE students by Dr. Manoj Kumar M V, Founder & CEO, Rectopage Softwares.

Dr. Manoj Kumar M V Ph.D. from National Institute of Technology, Karnataka (NITK), Surathkal in Department of Computer Science and Engineering. He has authored more than 25 research articles published in various international conferences, and journals. He has been invited as a resource person in more than 25 technical workshops, and faculty development programs on Data Science, and Mobile Application Development.

Android is an open-source project of the Open Handset Alliance that has revolutionized the user experience of a mobile device. With Android, it is a fact that mobile devices will have more user-friendly applications than ever before. The program completely involved the learners in the Android platform, allowing them to walk away fully ready to build Android applications. The program includes the absolute basics required to help learners understand the very core of Android application development.





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Topics Covered:

➤ Day 1:

➤ Session 1:

- Views, View Groups, Activities
- Views TextView, EditText, Button, ImageView, CheckBox.
- View groups Linear layout, Relative layout, Recyclerview.
- Activities Lifecycle methods, StartActivity, StartActivityForResult

➤ Session 2:

- · Fragments and Data passing
- Fragments Lifecycle methods. Add, show, hide and replacing fragments.
- Data passing Intent types. Using Intent and Bundle for data passing.

➤ Day 2:

➤ Session 3:

- · Storage in Android, Asynctask
- Android Storage SQLite (RDBMS), File storage (SD Card).
- Asynctask for consuming Network API.

➤ Session 4:

- Services, Broadcast receivers and MVVM
- Services Service types, Intent service.
- Broadcast receivers Static and dynamic broadcast receivers
- MVVM design pattern

The program bridged the gap between academics and industry, also helped the students to gain deeper knowledge on App development in Android. 45 students have attended the workshop and remarkable Feedback was received from students.

Mangalore Institute of Technology & Engineering Bedaga Mijar, MODDAMORI 574 225

Head of Department

(An ISO 9001:2008 Certified Institution)

Department of Information science and Engineering

Attendance for two days workshop on "APP DEV USING ANDROID"

Sl.no	Name	USN	23/3/2018	24/3/2018
1	Abhinav Shet	4MT15IS001	25/5/2018	24/3/2016
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14	Divyashree Shetty	4MT15IS016		#2
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Badaga Mijar, Moodabidri-574225, Karnataka

5.1.3 -ICT/Computing Skills (2016-2017)

SI No	Name of the capacity development and skills enhancement program	Name of the agencies/consultants involved	
1	Data Analytics using Splunk	Mr. Bharath Kumar, Lead Consultant Analytics Team, Wipro Technologies.	
2	Internet of Things-Idea to market place	Mr. Sudarshan, Intel Security (McAfee)	
3	Blockchain & Hyper Ledger	Mr. Bharath Kumar, Wipro Technologies	
4	WebVR-Virtual Reality	Ms Srushtika Neelakatan, Mozilla Firefox	
5	Workshop on HTML 5 and CSS3	Mr Prashanth B. S, MITE	
6	Workshop on Signal Processing using Octave	Mr. Sanjeevi Kumar, MITE	
7	JAVA and Advanced JAVA Workshop	Mr. Praveen Gujjar, PESITM	
8	Lean Six Sigma Yellow Belt Training	Dr. Mohammad T. Khasawneh, Systems Science and Industrial Engineering, Watson Institute for Systems Excellence, State University of New York at Binghamton Binghamton.	

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING DEPT. OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

12 - 10 - 2016

CORE will be organizing a workshop on "Data Analytics using Splunk" by Mr. Bharath Kumar, Lead Consultant Analytics Team, Wipro Technologies, Bangalore on 14.10.16 in Auditorium – II for the fifth semester students. All the fifth semester students are hereby informed to attend the same without fail.

Head of the Departments

Event 2	Workshop on Data Analytics using Splunk				
Resource	Mr.Bharath Kumar,				
Person	Lead Consultant Analytics Team,				
	Wipro Technologies, Bangalore				
Date	14-10-16				
Brief	About the Workshop in Brief: Mr.Bharath Kumar, Lead Consultant Analytics				
about the Talk	Team, Wipro Technologies, Bangalore conducted one day workshop on "Data				
	Analytics using Splunk" for 5th Sem CSE students. Workshop started with a				
	technical talk in the forenoon session on Data Analytics using Splunk tool, in				
	which he explained the need of data analytics and its applications. In the				
	afternoon session, speaker demonstrated the practical experimental work of data				
	analytics using splunk tool.				
Photos	Computer, Organisation of Re-ource				

Figure 1, Mr. Bharath Kumar Delivering a talk on Data Analytics using Splunk



Figure 2. Practical session on data analytics using splunk tool.



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Dept. of Computer Science & Engineering

Workshop on Data Analytics using Splunk

Date:- 14.10.2016

5th sem students

SL.NO	USN	NAME	SIGNATURE
1	4MT14CS002	AASTHA ANSHU BHATNAGAR	Alle
2	4MT14CS003	ABHILASH	Halana X
3	4MT14CS004	ABHISHEK B	_AHD"
4	4MT14CS005	ABISHEK	Abhisheralao
5	4MT14CS007	ADITHYA HRISHIKESH	Ny .
6	4MT14CS008	ADITYA MOHAN	
7	4MT14CS009	AFNAN	Afran
8	4MT14CS013	ALFRED JOY	common :
9	4MT14CS014	AMITHLAL P	
10	4MT14CS015	AMULYA P J	Amalya P.C
11	4MT14CS017	ANJALI RAMESHAN K	Just = 1
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14	4MT14CS021	ANUSH G	FIVECOURS WILL GE
15	4MT14CS022	ANUSHA SHENOY U	Anuel
16	4MT14CS023	ARJUN G S	Chickel.
17	4MT14CS024	ASHA	
18		AVINASH NORONHA	Annes
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20		BOLINEDI NARENDRA	
21		CHRISLENE DIAS	Charles
22		CLYDE SHELTON BANGERA	
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25		DEEPASHREE	Destartion
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28	4MT14CS044	KAVYAN	MAIG
29	4MT14CS045	KELVIN JOSE PINTO	K L
30	4MT14CS046	KRATHI KADAMBA	Va la
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32	4MT14CS048	LESLY MAX DSOUZA	(Cash soura
33	4MT14CS049	LUBEN FRANK GONSALVES	- Dec
34	4MT14CS051	MALLIKA	
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36	4MT14CS053	MANASA C	-AB
37	4MT14CS054	MANISHA P	Rida
38	4MT14CS055	MANOJ KUMAR K	1
39	4MT14CS056	MELINA SURAMYA	Mansi
40	4MT14CS058	MOHAMMED TALIB S	// Company
41	4MT14CS060	MONISHA G S	Morisha
42	4MT14CS061	MUDDABIR NAIKODI	Ani
43	4MT14CS062	MOHAMMED RAMSHAD	
44	4MT14CS063	MUHAMMAD SAHMIL ABDULLA	Madahan
45	4MT14CS064	MUHAMMED RIAZ	2
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50	4MT14CS072	POOJA P NAYAK	(Alexandria)
51	4MT14CS073	PRAJNA SHETTY	An · ws
52	4MT14CS074	PRAJWAL P SHETTY	Daily.
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59	4MT14CS081	RACHANA V R	(B) 1001 C
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61	4MT14CS083	RAKSHITHA V	Parkite
62	4MT14CS084	RESHALI SHETTY K	(b)
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67	4MT14CS090	SAHANA THANTRI	P. L.
68	4MT14CS091	SANJANA RAI	SanjonoRau
69	4MT14CS092	SHAHANAF S	Shortana
70	4MT14CS094	SHIBILY ABDUL SHUKOOR	Ng.
71	4MT14CS096	SHIJI ABRAHAM	Riv
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73	4MT14CS098	SHREELAKSHMI SHERIGAR	55 Shurigar
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77	4MT14CS103	SOWMYA	launt 1
78	4MT14CS104	SREERAJ M	Rau.
79	4MT14CS105	SREERAM K	Celm
80	4MT14CS106	SRISHAANI SHETTY	Revisione
81	4MT14CS107	SUPRIYA KAMATH	Romina Lanath.
82	4MT14CS108	SHETTY SURAKSHA SUKUMAR	Qualite
83	4MT14CS109	SUSHMA T S	Samuel -
84	4MT14CS110	SUSHMITHA	
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86	4MT14CS112	SWATHI S G	
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88	4MT14CS114	TRUPTHI D	Thrigh
89	4MT14CS115	TUSHAR VINOD PODUVAL	
90	4MT14CS116	VARUNN	Varia.
91	4MT14CS117	VARUNA M	Na
92	4MT14CS118	VIDYAMANI K C	The C.
93	4MT14CS119	VIGNESH SHANKAR SHETTY	
94	4MT15CS400	CHAITRA	VI TO
95	4MT15CS401	GAUTHAMI NAYAK	Chodock
96	4MT15CS402	SATHVIK SHETTY MN	C'ALENY
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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING DEPT. OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

16 = 11 = 2016

CORE will be organizing a workshop on "Internet of Things – Idea to Market Place" on 17.11.16 in Auditorium – II for the third semester students. The resource person is Mr. Sudarshan, Technical Leader in Automotive Security and iOS Developer, Intel Security (McAfee), Bangalore. All the third semester students are hereby informed to attend the same without fail.

Mead of the Department arms

Event 4	Workshop on Internet of Things- Idea to Market Place		
Resource	Mr.Sudharshan,		
Person	Technical Leader in Automotive Security and iOS Developer,		
	Intel Security(McAfee),Bangalore		
Date	17-11-16		
Brief	About the Workshop in Brief: Mr.Sudharshan K, Technical Leader in Automotive Security and		
about the	iOS Developer, Intel Security(McAfee) conducted one day workshop on "Internet of Things -		
Talk	Idea to Market Place " for 3rd Sem CSE students. Workshop started with an Introductory		
	Technical Talk on Internet of Things and its applications. Talk was followed by the		
	experimental demo on Internet of Things and Hands on Experiments session, in which students		
	were enriched with the practical knowledge on conducting IoT experiments.		
Photos	Figure 1. Mr. Sudharshan K, Delivering a talk on Internet of Things and its applications		

Figure 2.Hands-on session by Mr.Sudharshan K on ToT experiments

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

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Dept. of Computer Science & Engineering

WORKSHOP ON INTERNET OF THINGS-IDEA TO MARKET PLACE

Date:- 17.11.2016

3rd sem students

SL.NO	USN	NAME	SIGNATURE
l	4MT14CS026	AYSHA NOUREEN	Oypon
2	4MT14CS027	BASHID	Delre
3	4MT14CS070	NIRIKSHITH SHETTY	
4	4MT15CS001	ABHIRAM K	Minant
5	4MT15CS003	ADITYA DINESH	Amiso
6	4MT15CS005	AKHIL THOMAS	Marie
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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING DEPT. OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

16 - 02 - 2017

CORE will be organizing a workshop on "Block Chain and HyperLedger" on 17.02.17 in Auditorium – II for the third year students. The resource person for the day is Mr. Bharath Kumar, Lead Consultant Analytics Team, Wipro Technologies, Bangalore. All the third year students are hereby informed to attend the same without fail.

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Mosel of the Department Radio Head of the Department

	Workshop		
Event 5	on		
	BlockChain & HyperLedger		
Resource	Mr.Bharath Kumar,		
Person	Lead Consultant Analytics Team,		
reison	Wipro Technologies, Bangalore		
Date	17-02-17		
	About the Workshop in Brief: : Mr.Bharath Kumar, Lead Consultant Analytics Team,		
	Wipro Technologies, Bangalore conducted one day workshop on "BlockChain &		
Brief	Hyperledger " for 6 th Sem CSE students. Workshop started with an Introductory Technical		
about the	Talk on Block chain and its application towards resolving the issue of e-banking charges. Talk		
Talk	was followed by the experimental demo & hands on experimental study on creation of		
	blockchain using C, in which students were enriched with the practical knowledge on creating		
	block chain based transaction.		
Photos	(An Iso 9001 2008 Certified Institute) A Unit of Rajala Init Education Trust Mangalore Bepartment of Computer Science & Engineering Panise' Pa		

Figure 1. Resource person Mr. Bharath Kumar with Head CSE Dr. Nagesh H R and core coordinator Mr. Sunil Kumar during inauguration of workshop

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

(An ISO 9001:2008 Certified Institution)

Dept. of Computer Science & Engineering

WORKSHOP ON BLOCK CHAIN AND HYPER LEDGER

Date:- 17.02.2017

6th sem students

SL.NO	USN	NAME	SIGNATURE
İ	4MT14CS002	AASTHA ANSHU BHATNAGAR	Atha:
2	4MT14CS003	ABHILASH	Abhilas
3	4MT14CS004	ABHISHEK B	-ABHO-
4	4MT14CS005	ABISHEK	Alfrish KBlous
5	4MT14CS007	ADITHYA HRISHIKESH	Oby
6	4MT14CS008	ADITYA MOHAN	
7	4MT14CS009	AFNAN	Afran
8	4MT14CS013	ALFRED JOY	CARANA -
9	4MT14CS014	AMITHLAL P	
10	4MT14CS015	AMULYA P J	Amnlya. P.5
11	4MT14CS017	ANJALI RAMESHAN K	The state of the s
12	4MT14CS018	ANKITH D P	-Antest
13	4MT14CS019	ANUCHAITHRA	Anucha Mar Ras
14	4MT14CS021	ANUSH G	
15	4MT14CS022	ANUSHA SHENOY U	Anula
16	4MT14CS023	ARJUN G S	Ciclo
17	4MT14CS024	ASHA	
18	4MT14CS025	AVINASH NORONHA	Armel
19	4MT14CS028	BHUTE SNEHA DIGABAR	Spinite
20	4MT14CS029	BOLINEDI NARENDRA	
21	4MT14CS031	CHRISLENE DIAS	Christone Die
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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING DEPT. OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

11 - 04 - 2017

CORE will be organizing a workshop on "WebVR Virtual Reality" on 12.04.17 from 9.30 A.M to 4.30 P.M in Auditorium – II for the MITE students. The resource person for the day is Ms. Srushtika Neelakantam, Intentional Tech Speaker at Mozilla. All the 6th semester students are hereby informed to attend the same without fail.

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Event	Workshop	
7	on	
	WebVR- Virtual Reality	
Resourc	Srushtika Neelakatan,	
e Damas	International Tech Speaker,	
Person	At Mozilla	
Date	12-04-2017	
Brief	About the Workshop in Brief: Ms Srushtika Neelakatan, Fozilla Firefox,	
about	Bangalore conducted one day workshop on WebVR- Virtual Reality. The	
the	workshiop conducted in two session, in the morning session speaker addressed	
Talk	about the realization of Virtual Reality in computer. In the afternoon session	
	speaker showcased a demo on Virtual Reality using AFrame and conducted hands	
	on session for students, in which students developed their own Virtual Reality	
	program and presented and followed by awarding the best program.	
Photos		

Figure 1. Ms Srushtika Neelakatan addressing students on realization of Virtual Reality in computer

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

(An ISO 9001:2008 Certified Institution)

Dept. of Computer Science & Engineering

Workshop on WebVR- Virtual Reality

Date:- 12.04.2017

6th sem students

SL.NO	USN	NAME	SIGNATURE
1	4MT14CS002	AASTHA ANSHU BHATNAGAR	Asta
2	4MT14CS003	ABHILASH	Holindot
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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING DEPT. OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

20 - 05 - 2017

A workshop on HTML 5 on 23rd May 2017 for the students 4th semester of our department by Mr. Prashanth B S, Assistant Professor, Department of CSE, MITE. All the 4th semester students are hereby informed to attend the same without fail.

Head of the Copt of Some 24 June Mangalore heat Head of the Departments

10	Workshop
	on
	HTML 5
Resourc	Mr.PrashanJB.S,
e	Dept of CSE,
Person	MITE
Date	23-05-17
Brief	About the Workshop in Brief: Mr. Prashant B.S, Assistant Professor, Dept of
about	CSE, MITE conducted one day workshop on HTML 5 and CSS 3. The workshop
the	is conducted in two sessions, in the morning session speaker addressed about the
Talk	HTML 5 and CSS 3 files. In the afternoon session speaker showcased a demo on
	creating Dynamic pages using HTML5 & CSS and followed by hands on session
	on two live projects, in which students developed their own web pages.
Photos	

Mr.Prashanth B S delivering talk on HTML5 and CSS3 files

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINE

(An ISO 9001:2008 Certified Institution)

Dept. of Computer Science & Engineering

WORKSHOP ON HTML 5

Date:- 23.05.2017

4th sem students

SL.NO	USN	NAME	SIGNATURE
1	4MT14CS026	AYSHA NOUREEN	Market
2	4MT14CS027	BASHID	Α
3	4MT14CS070	NIRIKSHITH SHETTY	Maria
4	4MT15CS001	ABHIRAM K	Alougome
5	4MT15CS003	ADITYA DINESH	Mallo
6	4MT15CS005	AKHIL THOMAS	Alvan
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MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

(An ISO 9001.2008 Certified Institution)
(A unit of Pajalaxmi Education Trust *)
Affiliated to V.T.U., Belgaum, Approved by AICTE, New Delhi

Department of Electronics & Communication Engineering

Date: 10/08/2016

CIRCULAR

One day workshop is organized by Electronics and Communication Students Association on "Signal Processing using Octave" by Mr. Sanjeevi Kumar, Assistant Professor, Department of ECE, MITE is arranged on 12/08/2016. Interested students of 3rd year are hereby informed to register their names with respective class advisor on or before 11/08/2016.

Head of the Dept of E & C Engg Mangalore Institute of Technology & Engineering Badaga Mijar, MOODBIDRI - 574 225



Mangalore Institute of Technology and Engineering

(An ISO 9001:2008 Certified Institution) (A Unit of Rajalaxmi Education Trust) Badaga Mijar, Moodbidri-574225

Department of Electronics and Communication Engineering

Activity Report

Title: One day Workshop on "Signal Processing using Octave"

Resource Person: Mr. Sanjeevi kumar, Asst. Professor, Dept of ECE, MITE, Moodabidri

Date: 12/8/2016

Timings: 9:00 AM to 5:00 PM

Target Audience: 3rd Year Students of ECE

Profile of the Speaker: Mr. Sanjeevi Kumar is working as Asst. Professor in the Department of ECE, MITE, Moodabidri since 2011. He is having 6 years of Experience in Teaching.

Keynote address: The Main objective of this one day workshop is to provide the awareness to the students on Simulation of Signal Processing using open source tool. The session started with types of open source tools are available for simulation of Signal Processing. He explained about Octave. is one of the free software, runs on GNU/Linux and Windows and he explained how its syntax is largely compatible with Matlab. He given a demo on the Octave interpreter that can run in GUI mode, as a console. It is having one good advantage is Matlab scripts can run in Octave.

Octave has extensive tool, he explained how octave is mainly useful to solve common numerical linear algebra problems, finding the roots of nonlinear equations, integrating ordinary functions, manipulating polynomials and integrating ordinary differential and differential-algebraic equations. How It is also useful to solve linear algebra operations on vectors and matrices.

He briefed on octave software with examples of easily extensible and customizable via user-defined functions written in Octave language. Also using dynamically loaded modules written in C++. C. Fortran, or other languages. This software useful to Visualize data in 2D and 3D using high-level plot commands and executed code by taking some simple examples.



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He taken simple examples and executed code on Elementary Calculations, Creating a Matrix, Matrix Arithmetic, Solving Systems of Linear Equations, Integrating Differential Equations, Producing Graphical Output, Help and Documentation, etc.,

He concluded the session that Octave is an interpreted programming language. It is similar to C and supports many common C/C++ standard library functions, freely download software and easy to use. However, it more useful to solve many problems on Signal Processing.

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Department of Information Science and Engineering

Date: 8/Nov/2016

CIRCULAR

Students from 5th semester are informed to attend two days workshop on "JAVA and ADVANCED JAVA" from 15/Nov/2016 to 16/Nov/2016.

Venue: Audi - 2

HOD, ISE

(Mr.Manjunath H)

Dept. of Info Sci & Engg.

Mangalore Institute of Technology & Engineering
Badaga Mijar MOODEIDRI - 574 225



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Department of Information Science and Engineering

Report

Title: Workshop on "JAVA AND ADVANCED JAVA".

Resource Person: Mr. Praveen Gujjar, Assistant Professor, PESITM, Shimoga

Date: 15/11/2016 and 16/11/2016

Target Audience: 3rd year Students of ISE

Outlines of the workshop:

The Department of Information Science and Engineering of Mangalore Institute of Technology & Engineering, Moodbidre has organized a 2-day workshop on "JAVA AND ADVANCE JAVA WORKSHOP" on:15th & 16th November 2016 with the aim to provide hands on experience with Java programming and its object-oriented features. Students learnt to write, compile and execute Java programs, build robust applications using Java's object-oriented features. This workshop was also useful in the reference of placement of students

DAY 1:

- Introduction to JAVA
- Features of JAVA
- OOPs Concept
- JDK, JRE, JVM
- Classes and Object
- Command Line Arguments
- Instances (Variables and Methods)
- Constructor

DAY 2:

- Inheritance
- Method Overloading and Overriding
- Constructor Overloading
- Call by Value and Call by Reference
- Abstract Class
- Interface



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In this workshop students acknowledged knowledge of JAVA and ADVANCED JAVA Programming. Java is a general-purpose computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers

"write once, run anywhere" (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.

He also addressed the objective of this workshop is to provide opportunity for students to enrich their knowledge in the area of Object-Oriented Programming using JAVA and ADVANCED JAVA Language. This workshop will provide a vibrant opportunity for students in the recruitment phase and to enhance their programming skills. This course is based on hands-on exercises and is focused on developing Programming and Logical skills.

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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI (An ISO 9001:2008 Certified Institution) (A unit of Rajalaxmi Education Trust®, Mangalore) Department of Information Science and Engineering

Attendance for two days workshop on Java and Ad

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Department of Information Science and Engineering

Attendance for two days workshop on Java and Advanced Java

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Department of Mechanical Engineering

Date: 12/09/2016

CIRCULAR

A three day workshop is organized by Department of Mechanical Engineering on "Lean Six Sigma Yellow Belt Training" done by Dr. Mohammad T. Khasawneh Binghamton, New York 13902, USA on 20/09/2016 - 22/09/2016. Registered students are here by informed to attend the workshop.

Head of the Dept. of Machanical Engg Mangalore Institute of Technology & Engineering Badaga Mijar, MOODBIDRI - 574 225

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Badaga Mijar, Moodabidri

Report of Technical talk

1. Title: Lean Six Sigma Yellow Belt Training

2. Date organized: 20/09/2016 - 22/09/2016

3. Resource person name & Brief Description



Dr. Mohammad T. Khasawneh, Ph.D.
Professor& Chair, Systems Science and Industrial Engineering
Associate Director, Watson Institute for Systems Excellence
Director, Healthcare Systems Engineering Center
Graduate Program Director, Executive Master of Science in Health Systems
Graduate Program Director, Industrial and Systems Engineering
Thomas J. Watson School of Engineering and Applied Science
State University of New York at Binghamton
Binghamton, New York 13902, USA

4. Duration: 03 days

5. Topics Covered:

a. Six Sigma Principles

b. Six Sigma Tools for Analyse

6. Venue: Auditorium I

 Outcome of the Talk: Students were able learn proven principles and tools specific to six sigma and lean.

8. Program Coordinator: Mr. Rahul Sanjiv

9. Total Number of Students: 94

10. Result Sheet: Attached

Name	Final Grade (Curved).
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4MT13ME103 NANDA KISHOR	71%
4MT13ME149 SHRAVAN KUMAR	71%
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4MT13ME119 PRASHANTH	71%
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5.1.3-ICT/Computing Skills (2015-2016)

SI No	Name of the capacity development and skills enhancement program	Name of the agencies/consultants involved
1	OpenStack-A framework for Cloud Computing	Mr. Ranjith Kumar N, EMC2 (I) Pvt. Ltd
2	MSP 430 Microcontroller and Internet of Things	Mr. Vigneswaran Trident Tech Labs
3	Web Application Development	Mr. MallikarjunInamathi, TechMahindra

Mangalore Institute of Technology & Engineering

Badaga Mijar, Moodbidri
Department of Computer Science & Engineering
Circular

Date: 16/09/2015

Students association -CORE of our department will be organizing a technical talk on "OpenStack- A Framework for Cloud Computing" to Final year students from 2.00 P.M to 3.30 P.M A.M on 16.09.2015.

Resource Person:

Mr. Ranjith Kumar N Project Manager EMC² (I) Pvt. Ltd., Bangalore

Venue: Auditorium-II

Faculty members those who are not having classes are hereby informed to attend the programme without fail.

(Dr. Nagesh H.R) 16 9 (15)
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Event 2	Technical talk on			
!	OpenStack-A Framework for Cloud Computing			
Resource Mr.Ranjith Kumar N,				
Person	Principle Software Engineer,			
	EMC ² Pvt. Ltd. Bangalore			
Date	16-09-15			
Brief	CORE(Computer Organization of Resourceful Engineers) - students association			
about the Talk	of Department of Computer Science & Engineering, Mangalore Institute of			
Luin	Technology & Engineering has organized a technical talk on "OpenStack-A			
	Framework for Cloud Computing" on 16.09.2015. Mr.Ranjith Kumar N,			
	Principle Software Engineer in EMC ² Pvt. Ltd. Bangalore was the resource			
	person for the talk. In his address he has outlined the nature, current progress and			
	future directions of the OpenStack in cloud computing. He has also enlightened			
	on the use of OpenStack framework for deploying both private and public cloud			
	infrastructures to provide Infrastructure as a Service(IaaS) to the end users			
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	Figure 2, Mr. Ranuth Kumar N delivering talk on Open stack -A Framework for cloud computing			

Figure 2. Mr.Ranjith Kumar N delivering talk on Open stack -A Framework for cloud computing

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Dept. of Computer Science & Engineering

Technical talk on OpenStack-A Framework for Cloud Computing

Date:16.09.15

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7th sem students

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2	4MT10CS043	LESTEN ALBERT	100
3	4MT10CS116	VINIT SHETTY	Vand
4	4MT10CS111	SHETTY TEJAS	Este-
5	4MT11CS035	JAEFFRRY JOSEPH	AL
6	4MT11CS061	PREETHAM	Obethan
7	4MT11CS092	SHIVADEEP SHETTY	(Alueur)
8	4MT11CS102	SHREERENG RAVINDRAN	Heres
9	4MTHCSH1	TEJAS HEMACHANDRA	Car
10	4MT12CS001	ABDUL QAYOOM RAZIM	CASA
11	4MT12CS002	ABHINAV DILIP	Dima
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13	4MT12CS006	AISWARYA P GANGADHARAN	Alexander
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23	4MT12CS019	ANUSHA	Angelia
24	4MT12CS020	ARCHANA RAO	Aschama
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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING DEPT. OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

29 - 03 - 2016

CORE will be organizing a workshop on "MSP 430 Microcontroller and Internet of Things" by Mr. Vigneshwaran, Application Engineer, Trident Techlabs, Bangalore on 30.03.16 in Auditorium – II for the seventh semester students. All the seventh semester students are hereby informed to attend the same without fail.

Head of the Department

Event 3	Workshop on				
	MSP 430 Microcontroller and Internet of Things				
Resourc	Mr.Vigneshwaran,				
e Person	Application Engineer,				
reison	Trident Techlabs, Bangalore				
Date	30-03-16				
Brief	About the Workshop in Brief: Mr. Vighneshwaran, Application Engineer,				
about the	Trident Technologies, Bangalore conducted one day workshop on "MSP430 Micro				
Talk	Controller and Internet of Things" for 7th Sem CSE students. Workshop started				
	with a technical talk in the forenoon session on Introduction to Internet of Things				
	and MSP Microcontroller, in which he explained the basics of Internet of Things				
	and its architecture and different application case study of Internet of Things. In				
	the afternoon session, speaker demonstrated the practical experimental work of				
	Internet of Things using MSP 430 Micro-controller and conducted a hands on				
	session for students to run experiment on MSP 430 micro- controller and IOT kits				

Figure 1. Hands on session for students to run experiment on MSP 430 micro- controller and IOT kits by Mr.Vigneshwaran

(An ISO 9001:2008 Certified Institution)

Dept. of Computer Science & Engineering

WORKSHOP ON MSP430 & loT

Date:- 30.03.2016

8th sem students

SL.NO	USN	NAME	SIGNATURE
5L.NO	4MT10CS023	BRIJESH ACHARYA	Carrie
2	4MT10CS043	LESTEN ALBERT	
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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI

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(A unit of Rajalaxmi Education Trust[®], Mangalore)

Department of Information Science and Engineering

Date: 22/9/2015

CIRCULAR

Two days workshop on "Web Application Development" from 29/9/2015 to 30/9/2015 will be organized in the department for 7th semester students.

All are required to attend the workshop without fail.

Venue: Room no 205

(Mr.Manjunath H)

Dept. of Info Sci & Engg.

*Mangalore Institute of Technology & Engineering
Badaga Mijar, MOODD(DA): 574-225



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Department of Information Science and Engineering

Two Days Workshop Report on

"WEB APPLICATION DEVELOPMENT"

Date: 30-09-2015

Department of Information Science and Engineering has organized two days' Workshop on "Web Application Development" on 29th & 30th of September, 2015 for all 7th semester ISE students by Mr. Mallikarjun Inamathi, Technical Lead, Tech Mahindra.

The program began with an introduction to web basics and slowly covered all the details of web development and like java scripts and jQuery. It also included server connection and search engine optimization in the perspective of industry.

Topics Covered:

➤ Day 1:

➤ Session 1:

- About Internet, Basics of HTML and HTML5
- Styling webpage using CSS

➤ Session 2:

- Development and project management using Aptana Studio.
- Adapting the website design into development stage using Adobe Photoshop

➤ Day 2:

➤ Session 3:

- JavaScript's through jQuery
- PHP form validation
- Web Server setup



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> Session 4:

- WordPress, CSS3
- Search Engine optimization

The program bridged the gap between academics and industry, also helped the students to gain deeper knowledge on Web App development. 49 students have attended the workshop and Feedback was received from students was good.

Head of the Bept of Info. Sci. & Engg.
Mangalore Institute of Technology & Engineering
Badaga Mijar, MOODBIDAL 578 225

Head of Department

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI

(An ISO 9001:2008 Certified Institution) (A unit of Rajalaxmi Education Trust®, Mangalore) Department of Information Science and Engineering

Attendance for two days workshop on Web Application Development

S.No	USN No.	Name	29/9/2015	30/9/2015
1	4MT12IS001	Abdul Muqsith	P	<u> </u>
2	4MT12IS002	Akshay S	P	1
3	4MT12IS004	Anusha Pai	P	1
4	4MT12IS005	Bhuvana Cariappa N	<u> </u>	1
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14	4MT12IS015	Kashyap Rai K	1 7	P
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MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI

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Department of Information Science and Engineering

Attendance for two days workshop on Web Application Development

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