5.1.3 Capacity building and skills enhancement initiatives taken by the Institution

ICT/COMPUTING SKILLS

Capacity building and skills enhancement initiatives taken by the Institution

ICT/ COMPUTING SKILLS
Index

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.

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

HOD

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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.

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.

Figure1 Hands-on session on web application programs and its impact on web application user interface by Mr.Sudesh Shetty

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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

Sl.No	USN	NAME	Section	Student Signature (Morning Session)	Student Signature (Afternoon Session)
1.	4MT17CS007	Aishwarya K	5CS1	Aishweeyrk	
2.	4MT17CS028	Bindiya CM	5CS1	Bindiya	Bindiya
3.	4MT17CS041	Gauthami	5CS1	Gauthami	
4.	4MT17CS014	Amrutha	5CS1	Amrutho	Amrutho
5.	4MT17CS040	Ganesh Naik	5CS1	Ganesh	GANESH
6.	4MT17CS059	Mithun N	5CS1		
7.	4MT17CS047	Karthikeya	5CS1		
8.	4MT17CS031	Derryl	5CS1		
9.	4MT17CS027	Bharath Kumar	5CS1		
10.	4MT17CS045	Karthik K	5CS1		
11.	4MT17CS058	Milind Bijukumar	5CS1		
12.	4MT17CS049	Krithi Kini	5CS1	Krithikini	Krithi kini
13.	4MT17CS029	C.S.Apoorva Apporva	5CS1	Apoorva	

				5CS1		
14.	4MT17CS048	Keerthina		5CS1		
15.	4MT17CS037	Fathima		5CS1		
16.	4MT17CS091	Sakshi Rai		5CS2		
17.	4MT17CS094	Shameel		5CS2		
18.	4MT17CS101	Sithara		5CS2		
19.	4MT17CS110	Suraksha Rani		5CS2		
20.	4MT17CS118	Vaishnavi		5CS2		
21.	4MT17CS119	Varshini		5CS2		
22.	4MT17CS111	Sushmitha		5CS2		
23.	4MT17CS089	Sahana		5CS2		
24.	4MT17CS114	Uttam		5CS2		
25.	4MT17CS120	Vibin Hegde		5CS2		
26.	4MT17CS106	Sujan		5CS2		
27.	4MT17CS095	Sharan		5CS2		
28.	4MT17CS098	Shashank		5CS2		
29.	4MT17CS081	Prem mishra		5CS2		
30.						
31.						
32.						

P. C
26-10-19
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26/10/2019
HAD

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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.

Core Staff Coordinator

HOD

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Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri-574225

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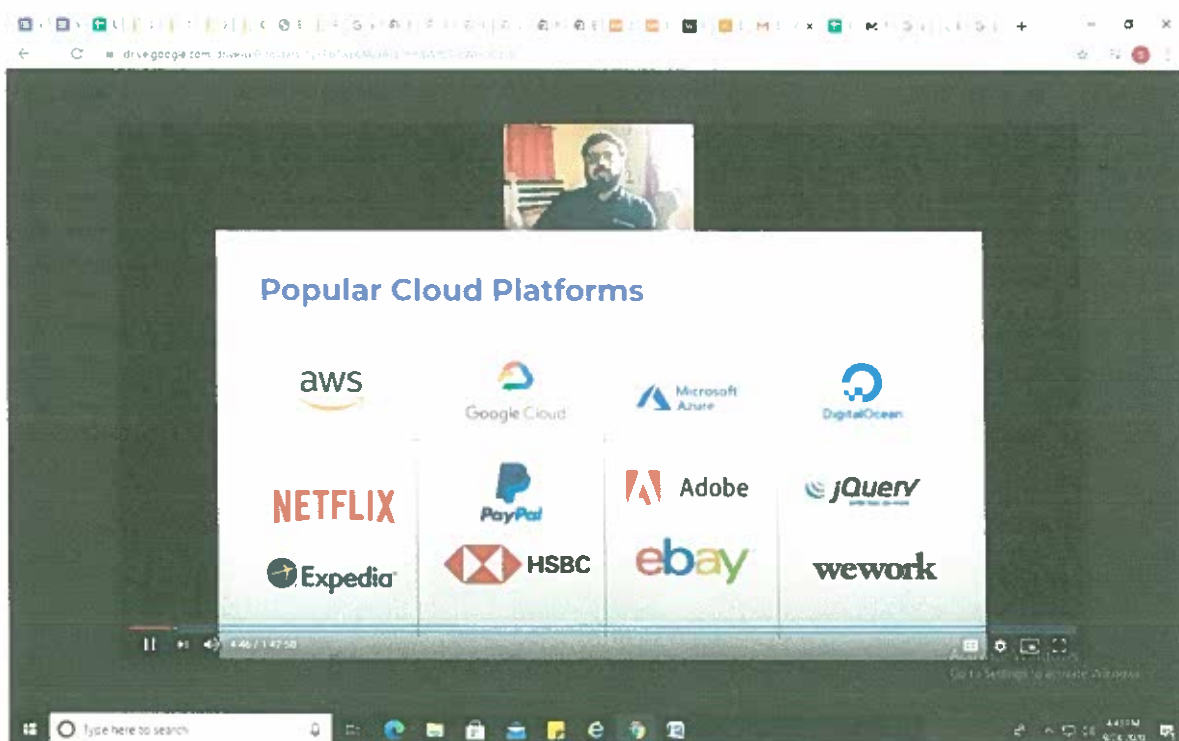
Figure 1. Mr. Karan MV delivering a talk on Web Application Deployment in cloud platform in an online session

Webinar on Web Application Deployment on cloud platform

Questions   Responses

65 responses

Message for respondents

Summary   Question   Individual

Webinar on "Web Application Deployment in cloud Platform"

Coordinator 13-6-2020

HOD

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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.

Core Staff Coordinator

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Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri-574225

Title: Introductory hands-on session on Git & GitHub

CORE organized a Webinar on **"Introductory hands-on session on Git & GitHub"** for II & III 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.
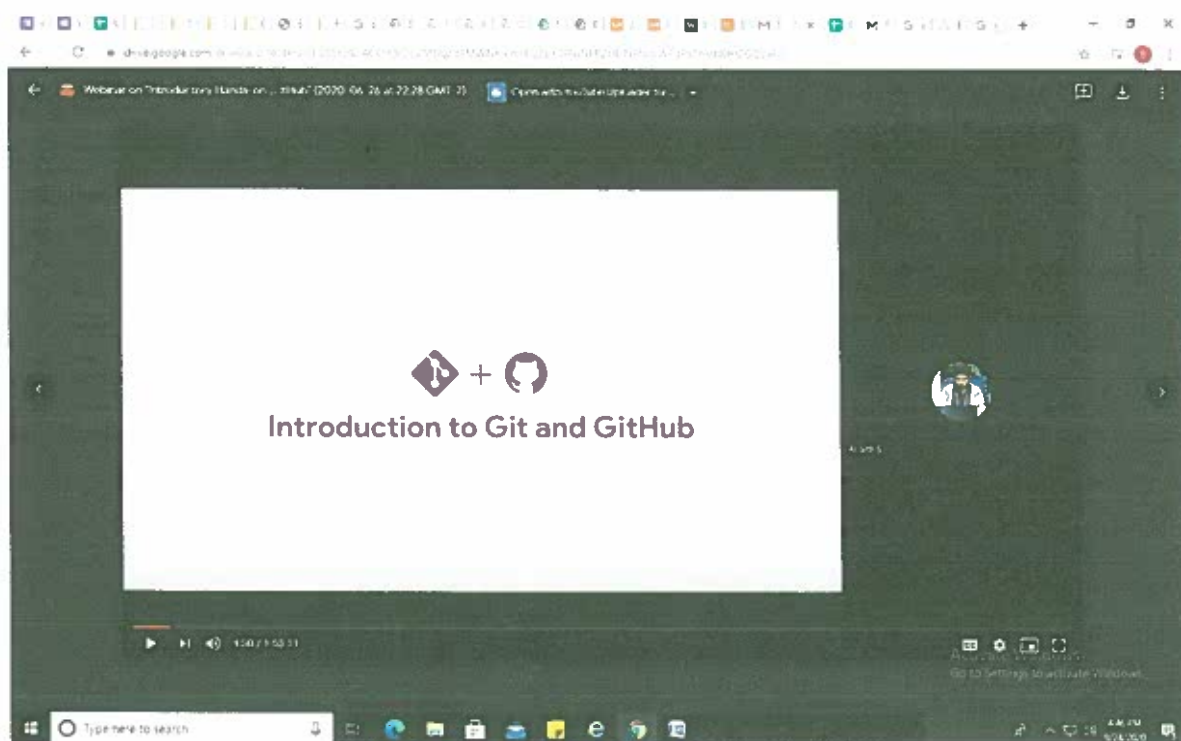
Figure 1. Mr.Arpith conducting hands-on session on Git and GitHub in an online session

Webinar on GitHub

Questions Responses 109

109 responses

Not accepting responses

Message for respondents

Summary   Question   Individual

Who has responded?

Email

guru@mite.ac.in

kumar.manoj617@gmail.com

avinashgodvin@gmail.com

Co-ordinator

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

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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.

Core Staff Coordinator

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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.

Figure1. Mr. Karan MV delivering a talk on containerization of web application using Docker tool in an online session

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Attendance

Webinar on Containerization & Deployment of Web Applications to the Cl

Questions   Responses

91 responses

Message for respondents

Summary   Question   Individual

Who has responded?

Email

uggautram3@gmail.com

dmeloonra274@gmail.com

m_ndis1@gmail.com

aishwaryavargi@gmail.com

praneeth1951@gmail.com
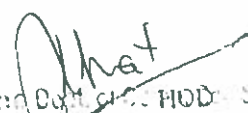
Co-ordinator

Head of the Dept.   HOD
Mangalore Institute of Technology
Badaga Mijar, Moodbidri

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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

Sl No	USN	Name	Students Signature
1	4MT17EC001	ABHISHEK DEEKSHITH M	
2	4MT17EC002	ABHISHEK DINESH K	
3	4MT17EC003	ADITYA DIVAKAR SHETTY	
4	4MT17EC004	ADVI H D	
5	4MT17EC005	AISHWARYA	
6	4MT17EC006	AKSHAY UDUPA	
7	4MT17EC007	ANJALI	
8	4MT17EC008	ANJALI M	
9	4MT17EC009	ANUFA RAZIYAN	
10	4MT17EC010	ANUSHA BEJAI	
11	4MT17EC011	ASHISH HEGDE	
12	4MT17EC012	ASHITH P AMIN	
13	4MT17EC013	ASHRAY A SHETTY	
14	4MT17EC014	ASWATHI K K	
15	4MT17EC015	AVRIL PINTO	
16	4MT17EC016	B HARIPRASAD	
17	4MT17EC018	CHETHAN SHETTY	
18	4MT17EC020	CHIRAG	
19	4MT17EC021	CHIRAG B SHETTY	
20	4MT17EC022	DEEMANTH	
21	4MT17EC023	DHAKSHATH L AMIN	
22	4MT17EC024	DHANYASHREE	
23	4MT17EC025	DISHA G R	
24	4MT17EC026	FARZEEN	
25	4MT17EC027	GLEN DCOSTA	
26	4MT17EC028	HARSHA C R	
27	4MT17EC029	HEMANTH SANJEEVA POOJARY	
28	4MT17EC030	JITHIN KUMAR	
29	4MT17EC031	K G PRADEEP	
30	4MT17EC032	K SANJANA	
31	4MT17EC033	KAKUTHOTA RAKSHITHA	
32	4MT17EC035	KARTHIK THIMMAPPA MESTHA	
33	4MT17EC036	KAUSHIK NAYAK	
34	4MT17EC037	KAVYA SUDHIR GAONKAR	
35	4MT17EC038	KISHAN KUMAR	
36	4MT17EC039	KRATHARTHA D SHETTY	
37	4MT17EC040	KSHAMA KARKADA	

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Invited Talk on "Hardware Connectivity with MATLAB & Simulink"

Students Attendance
Date 06/11/2019

Sl No	USN	Name	Students Signature
38	4MT17EC041	M PAVITHRA	
39	4MT17EC042	MAITHRI HEGDE	
40	4MT17EC043	MANEESHA	
41	4MT17EC044	MANOJ ACHARYA J	
42	4MT17EC045	MANOJ M P	
43	4MT17EC046	MEGHA B	
44	4MT17EC047	MOHAMMED AFTHAB JALAL	
45	4MT17EC049	MOHAMMED SAHEER HEJMADI	
46	4MT17EC050	MOHAMMED TANZEEL KHAN	
47	4MT17EC051	MUHAMMED VASEEM C K	
48	4MT17EC052	N DARSHAN RAO	
49	4MT17EC053	N PRAJWAL	
50	4MT17EC054	NAGADEEPA S	
51	4MT17EC055	NAGARAJA B M	
52	4MT16EC021	CHAITHRA K	
53	4MT16EC098	G VENKATESH	

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Invited Talk on "Hardware Connectivity with MATLAB & Simulink"

Students Attendance

Date 06/11/2019

Sl No	USN	Name	Students Signature
1	4MT17EC056	NAIJA N JAIN	
2	4MT17EC057	NAVEENA M	
3	4MT17EC058	NIKHIL NARENDRA MURDESHWAR	
4	4MT17EC059	NIKHITHA JAIN	
5	4MT17EC060	NISHAL K	
6	4MT17EC061	NISHMITHA M	
7	4MT17EC062	NITHIN K R	
8	4MT17EC063	P ROHIT	
9	4MT17EC065	PAWAN KUMAR	
10	4MT17EC066	POOJARY ABHISHEK ANAND	
11	4MT17EC067	POORNIMA P CHANDAN	
12	4MT17EC068	PRAJNA	
13	4MT17EC069	PRAJWAL D	
14	4MT17EC070	PRAMOD	
15	4MT17EC071	PRASHANTH P G	
16	4MT17EC072	PRATHEEKSHA K SHETTY	
17	4MT17EC073	PRERANA SEN	
18	4MT17EC074	PRINSHA C	
19	4MT17EC075	RACHITHA	
20	4MT17EC076	RAHUL MANOJ KATOOR	
21	4MT17EC077	RAKESH	
22	4MT17EC078	RAMYA S N	
23	4MT17EC079	RAO HARSHITHA NARAYAN	
24	4MT17EC080	RAVINA	
25	4MT17EC081	SAGAR RAO SALANKE	
26	4MT17EC082	SAHANA K N	
27	4MT17EC083	SANDESH SHETTY	
28	4MT17EC084	SARATH SABU	
29	4MT17EC085	SARIKA	
30	4MT17EC086	SHRAVYA B C	
31	4MT17EC087	SHREYAS K	

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Invited Talk on "Hardware Connectivity with MATLAB & Simulink"

Students Attendance

Date 06/11/2019

Sl No	USN	Name	Students Signature
32	4MT17EC088	SIRISHA	
33	4MT17EC089	SOORAJ B	
34	4MT17EC090	SOORYA PRAKASH NAYAK	
35	4MT17EC091	SOWMYA	
36	4MT17EC092	SUDARSHAN N B	— AB —
37	4MT17EC094	SWAPNA	
38	4MT17EC095	SWAPNA H R	
39	4MT17EC096	SWARAJ HEGDE	
40	4MT17EC097	T NISHANKA	
41	4MT17EC098	THANUSHREE B S	
42	4MT17EC099	THRISHALI	
43	4MT17EC100	UJWAL SALIAN	
44	4MT17EC101	VAJRANDA NAYAK	
45	4MT17EC102	VAMSHIKRISHNA DEEKSHITH K P	
46	4MT17EC103	VEERESH KARIKANTI	
47	4MT17EC104	VISHAKA M M	
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.

ECSA Coordinator

HoD 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 tpplication. 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

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

Mangalore Institute of Technology and Engineering

Department of Electronics and Communication Engineering

THREE DAY WORKSHOP ON REAL TIME APPLICATIONS OF EMBEDDED SYSTEMS,8ᵗʰ-10ᵗʰ Nov-2019

Sl.NO	NAME	USN	DAY-1 (AM)	DAY-1 (PM)	DAY-2 (AM)	DAY-2 (PM)	DAY-3 (AM)	DAY-3 (PM)
1	DHAKSHATH AMEEN	4MT17EC023						
2	AVRIL PINTO	4MT17EC013						
3	ANUFA RAZIYAN	4MT17EC009						
4	ANJALI M	4MT17EC008						
5	NAGADEEPA	4MT17EC054						
6	DEEMANTH	4MT17EC022						
7	JITHIN	4MT17EC030						
8	KAVYA . S. Goonkur	4MT17EC037						
9	KISHAN	4MT17EC038						
10	HEMANTH	4MT17EC029						
11	FARZEEN	4MT17EC026						
12	K SANJANA	4MT17EC032						
13	KARTHIK	4MT17EC035						
14	CHIRAG SHETTY	4MT17EC021						
15	CHIRAG ACHARYA	4M717EC020						
16	ADVI . H . D .	4MT17EC004						
17	CHETHAN SHETTY	4MT17EC018						
18	HARSHITHA Narayan	4MT17EC079	Harshitha	Harshitha	Harshitha	Harshitha	Harshitha	Harshitha
19	POORNIMA P CHANDAN	4MT17EC067	Poornima	Poornima	Poornima	Poornima	Poornima	Poornima
20	RACHITHA	4MT17EC075	Rachitha	Rachitha	Rachitha	Rachitha	Rachitha	Rachitha
21	SIRISHA	4MT17EC088						
22	PRAJNA	4MT17EC068	Prajna	Prajna	Prajna	Prajna	Prajna	Prajna
23	RAVINA	4MT17EC080	Ravina	Ravina	Ravina	Ravina	Ravina	Ravina
24	SOWMYA	4MT17EC091	Sowmya	Sowmya	Sowmya	Sowmya	Sowmya	Sowmya
25	LAVANYA J M	4MT14EC052						
26	P. ROHIT	4MT17EC063						
27	NIKHIL .	4MT17EC058						
28	PRAJWAL·D	4MT17EC069						
29	T. NISHANKA	4MT17EC097						
30	NAVEENA	4MT17EC057						
31	PAVAN	4MT17EC065						
32	SAGAR	4MT17EC081						
33	RAHUL KATOOR	4MT17EC076						
34	JAYANTH	4MTI8EC034	Jayantha	Jayantha	Jayantha	Jayantha	Jayantha	Jayantha

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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 12/8/2019

Copy to:

1. Notice board

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.

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

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.

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.

Sl. No	USN	Name	
1.	4MT18EC011	ADITHYA SHET	
2.	4MT18EC043	MANOJ	
3.	4MT18EC034	JAYANTH KUMAR	
4.	4MT18EC053	NIKHIL M	
5.	4MT18EC044	MAYURI	
6.	4MT18EC032	JACINTHA	
7.	4MT18EC023	ASHWITHA	
8.	4MT18EC046	MEGHA NAYAK	
9.	4MT18EC021	ASHRITHA	
10.	4MT18EC051	NIHARIKA	
11.	4MT18EC033	JAYANTH	
12.	4MT18EC060	PREETHI	
13.	4MT18EC094	THANVI	
14.	4MT18EC055	PALLAVI	
15.	4MT18EC076	SHIVANI	
16.	4MT18EC073	SANNIDHI RAO	
17.	4MT18EC063	SHREYA RAO	
18.	4MT17EC023	DAKSHATH L AMIN	
19.	4MT16EC021	CHAITHRA K	
20.	4MT17EC004	ADVI H D	
21.	4MT17EC005	AISHWARYA	
22.	4MT17EC006	AKSHAY	

23.	4MT17EC011	ASHISH HEGDE	
24.	4MT17EC013	ASHRAY SHETTY	
25.	4MT17EC018	CHETHAN	
26.	4MT17EC021	CHIRAG B	
27.	4MT17EC030	JITHIN	
28.	4MT17EC040	KSHAMA	
29.	4MT17EC043	MANEESHA	
30.	4MT17EC054	NAGADEEPA	
31.	4MT17EC050	MD. THANZEEL	
32.	4MT17EC014	ASWATHI K K	
33.	4MT17EC025	DISHA G R	
34.	4MT17EC057	NAVEENA M	
35.	4MT17EC056	NAIJA JAIN	
36.	4MT17EC071	PRASHANTH P G	
37.	4MT17EC072	PRATHEEKSHA K SHETTY	
38.	4MT17EC075	RACHITHA	
39.	4MT17EC082	SAHANA	
40.	4MT17EC094	SWAPNA	
41.	4MT17EC098	THANUSHREE B S	
42.	4MT17EC086	SHRAVYA	
43.	4MT17EC059	NIKHITHA	
44.	4MT17EC096	SWARAJ HEGDE	
45.	4MT17EC085	SARIKA	
46.	4MT17EC074	PRINSHA	
47.	4MT17EC073	PRERANA	
48.	4MT17EC099	THRISHALI	

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Department of Mechanical Engineering
(Accredited by NBA)

Date: 13/11/2019

<u>CIRCULAR</u>

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.

HOD
Head of the Dept. of Mechanical Engg
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 Vignesh Nayak

16th November (Day-2)

5 Assembly and integration of various IoT 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

Project Topics	Automatic street lighting system	Smart irrigation system	Smart water monitoring	Automatic railway crossing	Solar & smart energy system	Automatic solar tracker
Hardware	Arduino Uno					
	ESP-8266 Wi-Fi module			DC motors	21V solar panel	DC motors
	LDR sensors	Soil moisture sensor	Water flow sensor	Motor clamps	Digital sensors	Motor driver

USB TO UART cable					
Bulb holders	Water pump	Barrel connector	Digital IR sensors	Mobile charger	LDR sensor
Connecting wires					
Relay driver modules	Wooden plank	Breadboard	Gears		Solar panel model
Wooden chassis					Elbow joints
Working tools					

15/11/2019 1:25 PM

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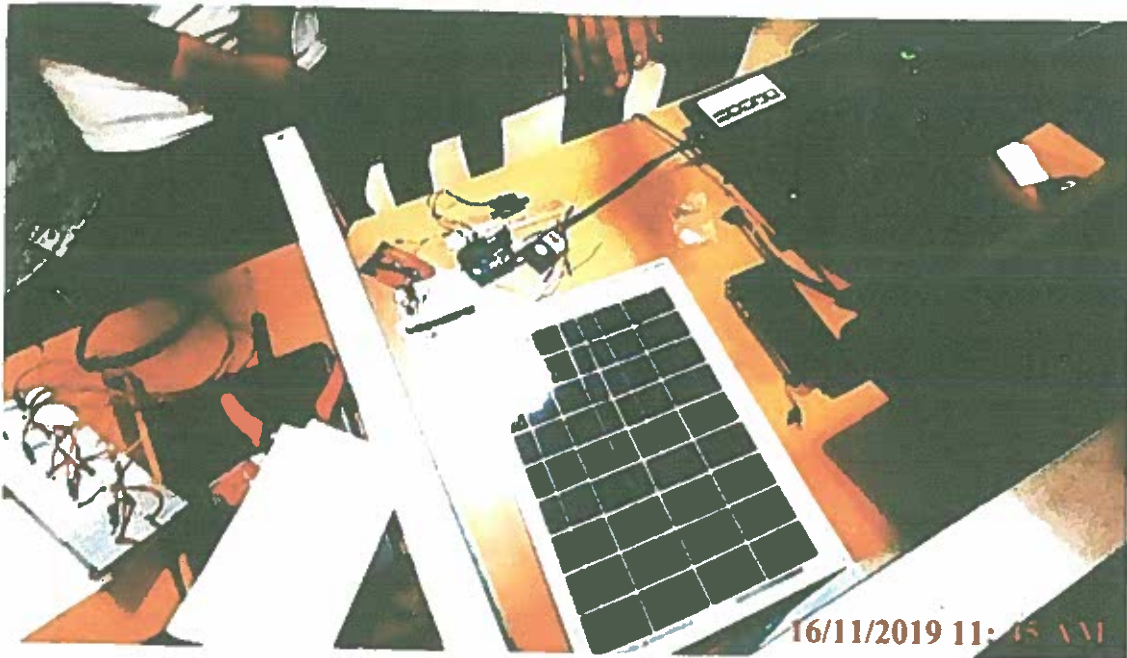
Fig.4 Components of solar and smart energy system IoT kit assembled by students for hands-on training- Day 2

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 IoT assembly

Two-day Innovation Bootcamp attendance

Date:0-11-2019

ature of the resource person:

Jaymohan Nchel   3ME1

SI No.	Name	USN	Morning session	Afternoon session
1	Abhishek	4MT18ME003		
2	Akshay A	4MT18ME011		
3	Bhaskar Gowda	4MT18ME025		
4	D P Anish	4MT18ME031		
5	Nithesha Kumar	4MT18ME079		
6	Prashant Lachyan	4MT18ME087		
7	Shashank Poojary	4MT18ME111		
8	Shetty Dhananjay	4MT18ME116		
9	Shobith	4MT18ME119		
10	Vivek Tamse	4MT18ME138		

3ME2

SI No.	Name	USN	Morning session	Afternoon session
1	Hashul ismail	4MT18ME040	Hashul	Hashul
2	Girish	4MT18ME037		
3	Megh B H	4MT18ME056		
4	Mithun Naik	4MT18ME058	Mithun Naik	Mithun Naik
5	Ashwin	4MT18ME023		
6	Rakshit	4MT18ME118		
7	Nithesh	4MT18ME078		
8	Shashank	4MT18ME110	Shashank	Shashank
9	Reuben	4MT18ME097		
10	S. M. Arif	4MT18ME114		
11	Sidharth K S	4MT18ME121		
12	Abhirami Subhag	4MT18ME002		
13	Hrithik Sanil	4MT18ME042		
14	Mohammed Mahroof H	4MT18ME064		
15	Hrishikesh Raj	4MT18ME041		
16	Sanjal Rajeev	4MT18ME055		
17	Gagan Gunakar	4MT18ME036		
18	Srinidhi N	4MT18ME125	AB	AB
19	~~Rahil M H~~	4MT18ME102	Ruhail	Ruhail

Ruhail M.H

Coordinator
Dr. Vignesh Nayak ullal
Asst.prof

Co-coordinators.
1) Madhusudhan B
2) Swaroop

N

Sl No.	Name	USN		
20	Asfan Sayed	4MT18ME108		
21	Fawaz M H	4MT18ME035		

3ME3

Sl No.	Name	USN	Morning session	Afternoon session
1	Adweith Menon	4MT18ME006		
2	Vishnuraj A	4MT18ME137		
3	Omar Zaidan	4MT18ME081		
4	Mohammed Javid	4MT18ME053		
5	Rithesh Shetty	4MT18ME100		
6	Ranjith Shetty	4MT18ME095		
7	Rithvik A Bangera	4MT18ME103		
8	Nithin Noronha	4MT18ME080		
9	Sushanth Nayak	4MT18ME132		
10	Snehal P Shet	4MT18ME123		
11	Shamil G V	4MT18ME109		
12	Vikit Shety Hegde	4MT18ME135		
13	Charan	4MT18ME027		
14	Ather Hussain			
15	Mohammed Sahad			
16	Devraj B			
17	Abhshek S Patil	4MT18ME004		
18	Jithesh	4MT18ME045		
19	Sujith	4MT18ME128		
20	Sumanth	4MT18ME130		
21	Sachin	4MT18ME051		
22	Shamanth			
23	Mohammed Gouse			
24	Supritha S			
25	Ashish Ajri			
26	Manjunath R			
27	Avanish			
28	Saiban K H	4MT18ME106		
29	Aakash Addabavi	4MT18ME008		

Akash. S. Adavibhavi

Two - day Immersion Bootcamp attendance

signature of the resource person
Jagmohan Mehru

Date: 16-11-2019

3ME1

SI No.	Name	USN	Morning session	Afternoon session
1.	Abhishek	4MT18ME003		
2.	Akshay A	4MT18ME011		
3.	Bhaskara Gowda	4MT18ME025		
4.	D P Anish	4MT18ME031		
5.	Nithesha Kumar	4MT18ME079		
6.	Prashanth Lachyan	4MT18ME087		
7.	Shashank Poojary	4MT18ME111		
8.	Shetty Dhananjay	4MT18ME116		
9.	Shobith	4MT18ME119		
10.	Vivek Tamse	4MT18ME138		

3ME2

SI No.	Name	USN	Morning session	Afternoon session
1.	Hashul Ismail	4MT18ME040		
2.	Girish	4MT18ME037		
3.	Megha B H	4MT18ME056		
4.	Mithun Naik	4MT18ME058		
5.	Ashwin	.4MT18ME023		
6.	Rakshit	4MT18ME118		
7.	Nithesh	4MT18ME078		
8.	Shashank	4MT18ME110		
9.	Reuben	4MT18ME097 .		
10.	S. M. Arif	4MT18ME114		
11.	Sidharth K S	4MT18ME121		
12.	Abhirami Subhag	4MT18ME002		
13.	Hrithik Sanil	4MT18ME042		
14.	Mohammed Mahroof H	4MT18ME064		
15.	Hrishikesh Raj	4MT18ME041		
16.	Sanjal Rajeev	4MT18ME055		
17.	Gagan Gunakar	4MT18ME036		
18.	Srinidhi N	4MT18ME125		
19.	Ruhail M. H.	4MT18ME102 .		
20.	Asfan Sayed	4MT18ME108		
21.	Fawaz M H	4MT18ME035		

Co-Ordinator
Vignesh Nayak Ullal

Co - Coordinators
1) Madhusudhan B.
2) Swaroop

3ME2

SI No.	Name	USN	Morning session	Afternoon session
1.	Adweith Menon	4MT18ME006		
2.	Vishnuraj A	4MT18ME137		
3.	Omar Zidan	4MT18ME081		
4.	Mohammed Javid	4MT18ME053		
5.	Rithvik Shetty	4MT18ME100		
6.	Ranjith Shetty	4MT18ME095		
7.	Ruthvik A Bangera	4MT18ME103,		
8.	Nithin Noronha	4MT18ME080		
9.	Sushanth Nayak	4MT18ME132		
10.	Snehal P Shet	4MT18ME123		
11.	Shamil G V	4MT18ME109		
12.	Vikit Hegde	4MT18ME135		
13.	Charan	4MT18ME027		
14.	Ather Hussain			
15.	Mohammed Sahad			
16.	Devaraj B			
17.	Abhishek S Patil	4MT18ME004		
18.	Jithesh	4MT18ME045		
19.	Sujith	4MT18ME128		
20.	Sumanth	4MT18ME130		
21.	Sachin	4MT18ME051		
22.	Shamanth			
23.	Mohammed Gouse			
24.	Supritha S			
25.	Ashish Ajri			
26.	Manjunath R			
27.	Avanish			
28.	Saiban K H	4MT18ME106		
29.	Akash S Adavibhavi	4MT18ME008'		

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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 Engg
Mangalore Institute of Technology & Engineering
Badaga Mijar. MOODBIDRI - 574 225

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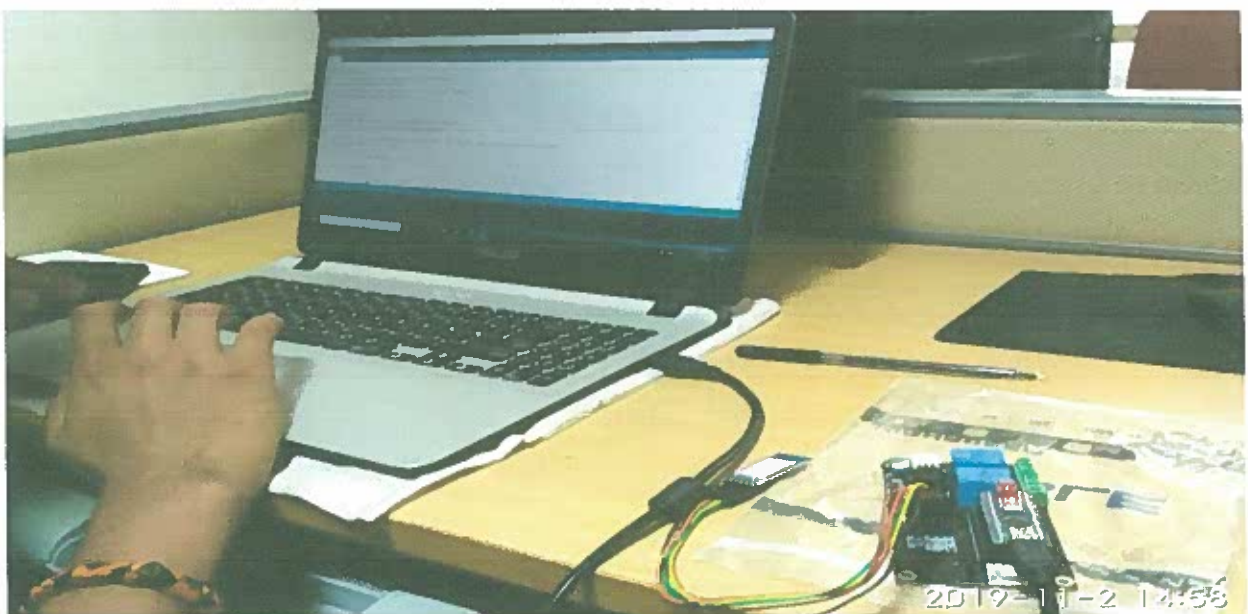
Fig.5 IoT Kits Provided to students for hands-on training- Day 1

Day-2 Morning Session:

The remaining sessions conducted were also hands-on training. The students learnt about Analog output- 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.

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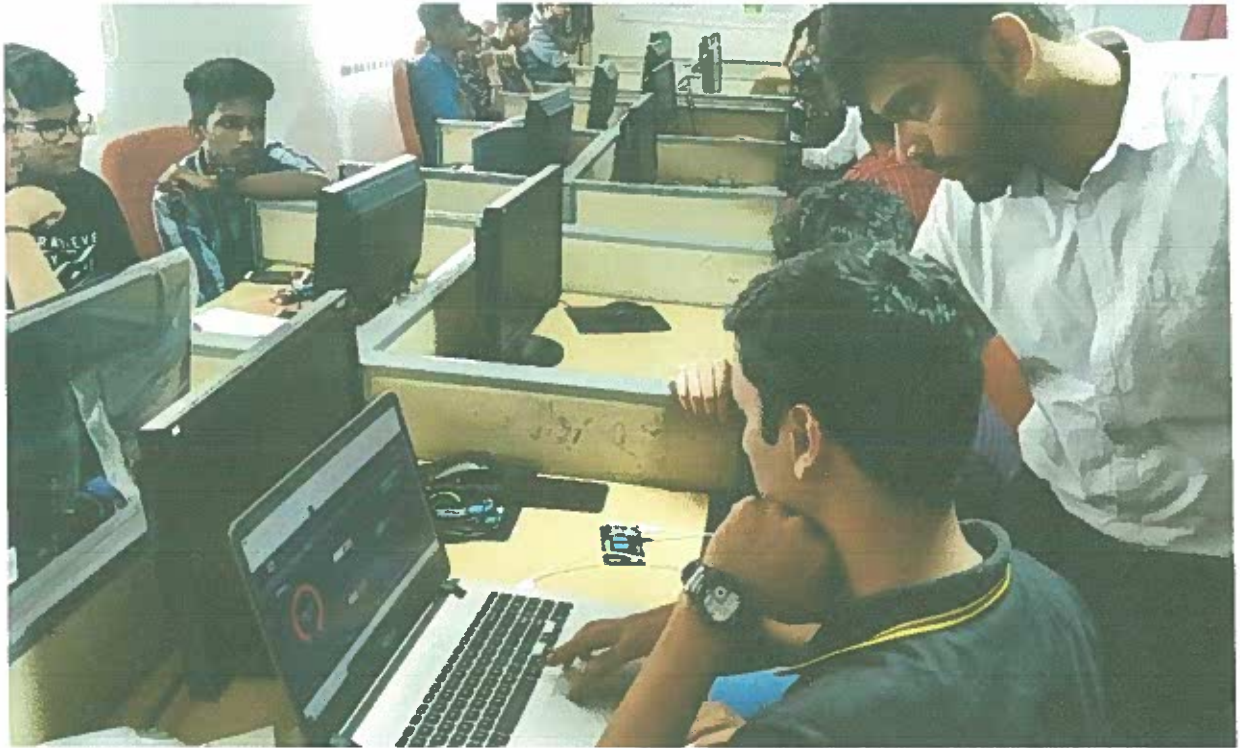
Fig.7 Connecting various devices online through Computer and mobile using IoT

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

45 responses

Publish analytics

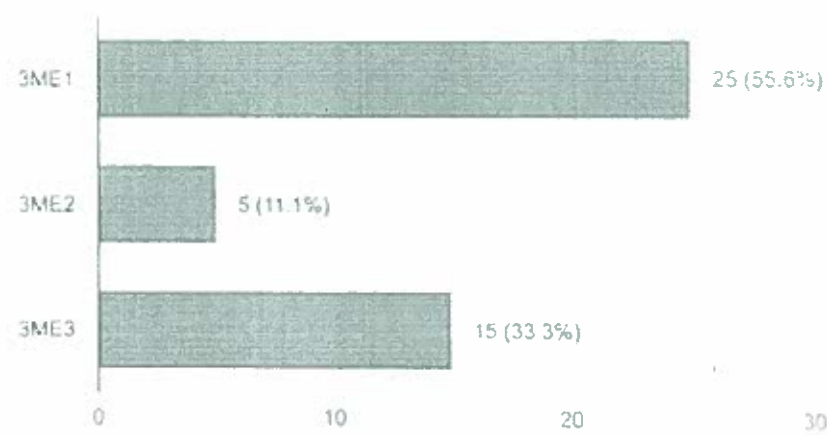02/11/2019 - 03/11/2019

Name

45 responses
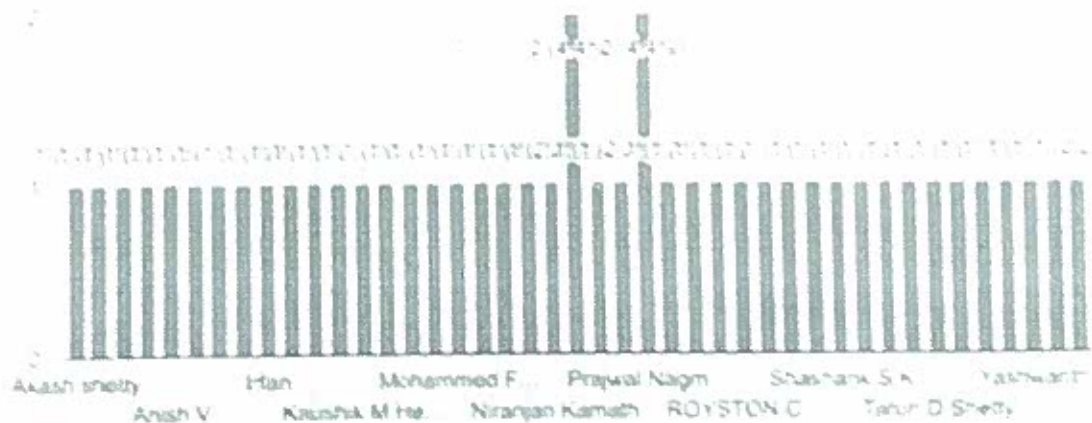
USN

45 responses

Branch

45 responses

● Mechanical Engineering

100%
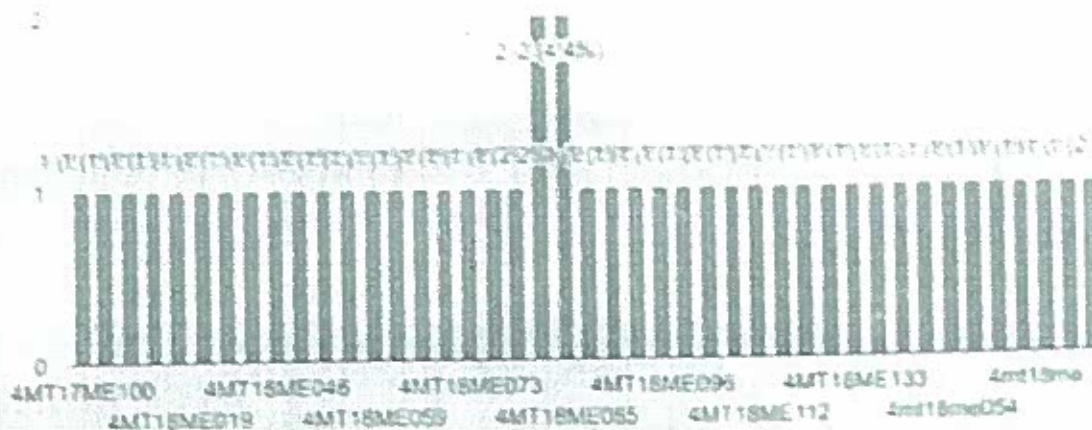
Section

45 responses

Section	Value
3ME1	25 (55.6%)
3ME2	5 (11.1%)
3ME3	15 (33.3%)
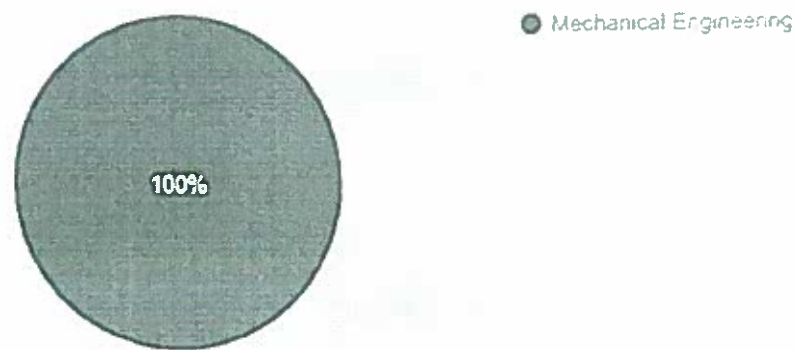
Training was Applicable to my Curriculum and Academics

■ Poor ■ Fair ■ Satisfactory ■ Very good ■ Excellent

Level of effort you put into the course

Contribution to learning

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

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

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

(An ISO 9001:2015 Certified Institution & Accredited by NAAC)
(Affiliated to Visvesvaraya Technological University, Belagavi)
Badaga Mijar, Moodbidri-574225

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.S

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)
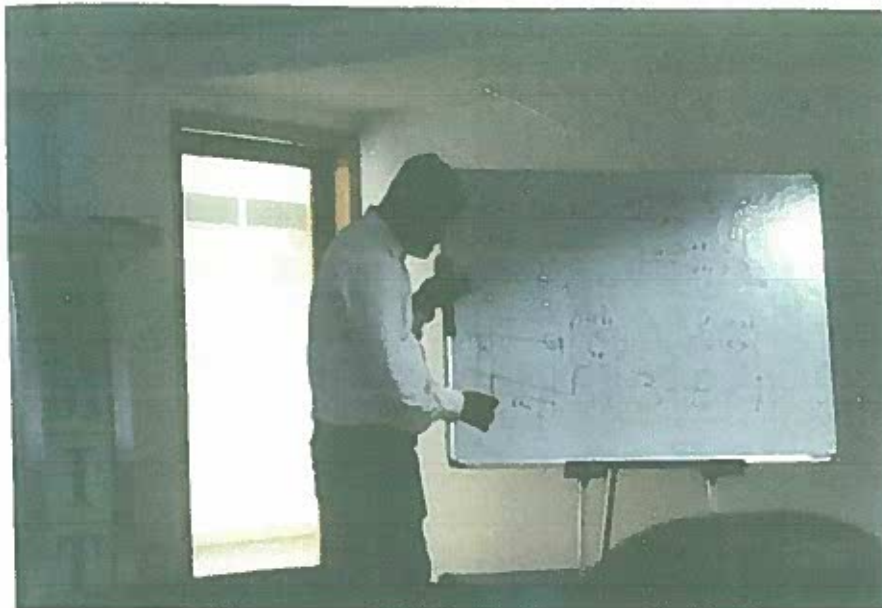
Figure 3: Mr. Girish Babu teaching GD&T

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
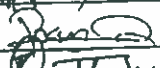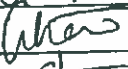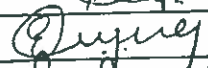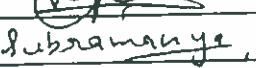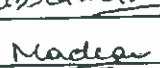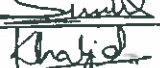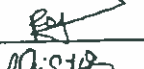
Duration: 10:00 AM to 5.00 PM)

Signature of the resource person:

Audience: Mech students

Venue: Audi 2

Sl No	USN	Student Name	Signature
1	4MT17ME036	Dinesh Kumar	
2	4MT17ME137	Shetty Chetan Sadashiu	
3	4DM16ME072	PRIYANSHU	
4	4DM16ME070	Pranav Ravindra	
5	4MT18ME095	Ranjith. K	
6	4MT18ME097	Charan	
7	4MT18ME120	Shrinaksha	
8	G-04	Thanmay. S. K	
9	A-05	Rakshith CP	
10	G-21	Mahaveer. P. Jain	
11	G-01	Enrique	
12	G-50	Shashanth Kumar	Shashanth
13	G-30	Mohammad Farzen	
14	G-27	Subramanya Nayak	Subramanye
15	B-29	Maclean Menezes	Maclean
16	A-04	P.M. Manoj Acharya	Manoj Acharya
17	B-01	AFROZ	
18	B-04	Sahil	
19	A-43	Mohamed Khalid.	Khalid
20	A-45	Raeid	
21	A-22	Aman Ibrahim	
22	A-46	Rakesh. G. M	
23	4MT17ME113	Royston veigas	
24	4MT17ME163	vinish. s. shettigar	
25	4MT17ME108	Rakshith	
26	4MT17ME64	Viraj Shetti	
27	4MT17ME167	Yajnesh	
28	4MT17ME063	Manoj Crasta	
29	4MT17ME021	AMAN	

Sl No	USN	Student Name	Signature
30	4MT18ME038	Ellon Arwin D'souza	
31	4MT18ME039	Harshith Poojary	
32	4MT18ME046	RAZAAN R KUKKADI	
33	4MT18ME023	ASHWIN	
34	4MT18HG020	Anuprah vaeraraj	
35	4MT18ME042	Hrithik Sanil	
36	4MT18ME121	Sidharth. K. S	
37	4MT18ME064	Mohd. Mahroof . H	
38	4MT18ME002	ABDULLAH SAFWAN	
39	4MT18ME103	Ruthvik.A. Bangera	
40	4MT18ME123	Snehal P SHET	
41	4MT18ME009	AKASH POOJARI	
42	4MT18ME089	PRATHIK. K. C	
43	4MT18ME134	TARUN. D. SHETTY	
44	4MT18ME093	Rakshith N	
45	4MT18ME105	Sagar	
46	4MT18HE036	Gorgan	
47	4MT18ME127	Sihas .S	
48	4MT18ME036	DP Anish	
49	4MT18ME135	Vikik	
50	4MT18ME021	Arjun E	
51	A29	Mohd Faoz.	
52	A42	Melroy Vernon Menezes	
53	A33	Srideep	
54	4MT18MO131	Sumith	
55	4MT18ME074	Nandan	
56	4MT18HE098	Ruvin Sonal	
57	4MT18ME100	Rithvik chetty	
58	4MT18ME007	Ajith poojari	
59	4MT18ME058	Mahammed Javid	
60	4MT18ME067	Mohammed Yaan	
61	4MT18ME004	Abhishek S Patil	
62	4MT18ME044	Irwin D'Souza	
63	4MT18ME132	Sushanth nayak	

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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 Engg.
Mangalore Institute of Technology & Engineering
Badaga Miljar, MOODBIDRI - 574 225

Two Day Workshop
on
" MATLAB based Mechanical Engineering Applications"

Date: 3rd & 4th October 2019

I)   Resources persons:

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

2)   DrArun Kumar P
Professor, Dept of MechanicalEngg.,
GIT, Belgaum, 590008, KARNATAKA,
INDIA Ph:00919986157902

II)   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

Resource persons interaction with HOD

CO.ordinator: Dr Lokesha

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

Session2: Dr. Arun Kumar P engaged on "Reverse 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.

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.

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 Id, 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: Signature

Dr. M M Nadakatti , Professor, KLS

Dr. Arun Kumar P , Professor, KLS GIT,

Date: 03/10/19 to 04/10/19   Duration:2days

Audience: 5th semester Mechanical Engineerin   VENUE:M203

SI No	USN	Student Name	MOB NO.	EMAIL ID	DAY 1		DAY 2	
					SESSION 1	SESSION 2	SESSION 1	SESSION 2
1	4MT17ME074	MOHAMMED SAHIL	8971932798	mdsahil0212199E@gmail.com				
2	4MT17ME157	VASANTH	8762129321	Vasanthottawar@gmail.c				
3	4MT17ME137	SHETTY CHETHAN	8495869943	chethanshetty6948@gmail.com				
4	4MT17ME132	SHARATH K	7026436069	sharathsgowda6@gmail.com				
5	4MT17ME095	PAWAN KUMAR	8971315275	pawankumar132@gmail.com				
6	4MT17ME115	RUTHWIK	9535421420	ruthwikshettigar03@gmail				
7	4MT17ME034	DARREN	9686766392	DMM6799@GMAIL.com				
8	4MT17ME134	SHASHANK	9880386820	shashankwagle@1og				
9	4MT17ME119	SACHITH	8105870847	Sachith.wbi@gmail.co				
10	4MT17ME033	CHINMAY	9632037181	Nawchinmay.14@gmail.com				
11	4MT17ME012	AFSHAIN	7349414868	AfShain1999@gmail				
12	4MT17ME017	AKHIL	7338041581	hegdeakHIL12@gmail				
13	4MT17ME097	PRADEEP KUMAR	7019193473	pk687076@gmail.com	Pradeep k	Pradeep k	Pradeep k	Pradeep k
14	4MT17ME110	RAVEESH PRABHU	9113247302	Raveesh4420@gmail.com				
15	4MT17ME160	VIGNESH	9113872108	msvighnesh01@gmail				
16	4MT17ME114	RUTHVIKA B	9741409202	ruthvikamibsp@gmail.com				
17	4MT17ME064	MANISHA	8296856613	monishasanaih.c14@gmail.com				
18	4MT18ME408	SHRADHA SHETTY	9483311585	Shradhashetty152@gmail.com				

Sl No	USN	Student Name	MOB NO	EMAIL	DAY 1		DAY 2	
19	4MT17ME111	ROYAL	8105865883	royalal000@gmail				
20	4MT17ME031	BHUSHAN	8197897472	bhushanalval23@gmail	Bhushan	Bhushan	Bhushan	Bhushan
21	4MT17ME063	MANOJ Crasta	8497881951	mannucrasta@gmail.com	Harsha	Harsha	Harsha	Harsha
22	4MT17ME112	ROYSON MARTIS	9164014320	Prem.martis70@gmail.com	Royson	Royson	Royson	Royson
23	4MT17ME127 x	SATHWIK						
24	4MT17ME018	AKHILESH	9483410264	akhileshsharma4717@gmail.com				
25	4MT17ME165	VISHAL	8123650777	vishalsorfs@gmail.com				
26	4MT17ME098	PRADYUMNA	9972620959	Pradyumnasindhe123@gmail.com				
27	4MT17ME154	THUFAIL	9108826833	Thubil2222@gmail.ch				
28	4MT17ME005	ABHIJITH B	9606434486	abhijithb609@gmail.com				
29	4MT17ME006	ABHIJITH KC	9480352025	abhijith2chandrap				
30	4MT17ME127	SATHWIK	8762920716	jsathwik9900@gmail.com				
31	4MT17ME059	LOYD D'SOUZA	8722355091	loydd4u@gmail.com				
32	4MT17ME016	AKASH SHETTY	9731519365	akash.shetty215@gmail.com				
33	4MT17ME130	SHAIKH DAYIN	9902573194	shaikhdayin@gml.com				
34	4MT17ME079	MOHD ZOHAIB KOLKAR	7899136619	mzk-kod@Hvr.com				
35	4MT17ME011	ADITHYA	9611762722	aditya.s.acharya3@gmail				
36	4MT17ME026	AASHAY	9686538135	ashayashu82@gmail.com				
37	4MT17ME038	DHANVITH RAJ	9343531956	dhanvithraj@gmail				
38	4MT17ME055	KARTHIK . G.Y	9880688544	karthikgyenaje@gmail.com				
39	4MT17ME056	KIRAN KUMAR	9071248951	kirankumaryrp@gmail				
40	4MT17ME008	ABHISHEK BHAT G	8762031334	abhishekbhat1999				
41	4MT17ME007	ABHISHEK.B.Shetty	9535569703	Abhishekshetty365@gmail.com				
42	4MT17ME037	DIPAYAN DEY	7760883478	dipayandey11@gmail.com				
43	4MT17ME104	Raghavendra R.K	8310678797	raghukulkarni9912@gmail.com				
44	4MT17ME026	Ashay	9686538135	Ashayashu82@gmail.com				
45	4MT17ME057	kishan.K	9380241602	kishankod1999@gmail.com				
46	4MT17ME098	Pradyumnah	9972606969	Pradyumnasindhe123@gmail.com				
47								
48		Shivaramu H.T						
49	M	SWAROOP						
50								

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 on19/10/2019. 3ʳᵈ year students are informed to attend the training session.

Head of Department

"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 ENGINNERING

MECHATRONICS DEPARTMENT

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

Date: 19/10/2019

1	Aaron Seth Stanley	4MT16MT001
2	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
11	Harshikesh Wadgave	4MT16MT012
12	Harshith Gowda M A	4MT16MT013
13	Hassan Nihal	4MT16MT014
14	Iral Patricia	4MT16MT015
15	Jasline Loren Tauro	4MT16MT016
16	Joel Serrao	4MT16MT017
17	K Akhdas Abdul Kayum	4MT16MT018
18	Mohd Arfad	4MT16MT019
19	Mohd Naif	4MT16MT020
20	Mubashir	4MT16MT022
21	Muhammed Ameen	4MT16MT023
22	Nagendra R K	4MT16MT024
23	Nihad Nazir Kunnummal	4MT16MT025
24	Numan Nayeem Assadi	4MT16MT026
25	Omkar Manjare	4MT16MT027
26	Prakash Malviya	4MT16MT031
27	Pratham S	4MT16MT032
28	Rakshith	4MT16MT033
29	Rizvan Mohd Anwar	4MT16MT034
30	Rohan Pradeep	4MT16MT035
31	S Sakthi Vikneshwar	4MT16MT036
32	Sanketh S Raj Jain	4MT16MT037

33	Sayed Burhan M Kittur	4MT16MT038
34	Shaikh Mohammed Lukman	4MT16MT039
35	Shankar Rao	4MT16MT040
36	Shivaguru Kiledar	4MT16MT041
37	Shubham Vadagave	4MT16MT042
38	Sidharth	4MT16MT043
39	Sriram s	4MT16MT044
40	Stephen Rion Viegas	4MT16MT045
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
52	AHASANUL MUSTAFA	4MT17MT004
53	AHMED REZA MOHAMMAD KUNHI	4MT17MT005
54	AKSHAY R KOTIAN	4MT17MT006
55	AMITH S LAHARI	4MT17MT007
56	AMRUTH M ACHARYA	4MT17MT008

Head of the Department

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

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

HOD

COPY TO :

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

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

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.

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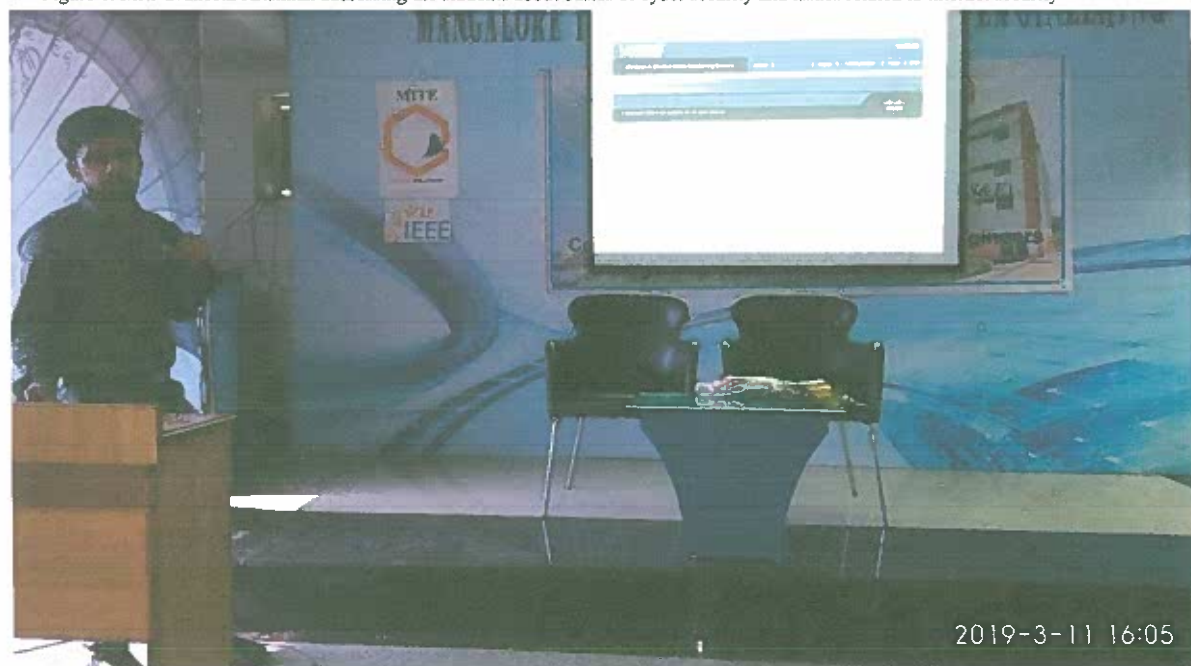

Figure 2. Practical session on cyber security and issues related to Internet security

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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		
2.	4MT16CS003	ADARSH KRISHNA REVANKAR		
3.	4MT16CS005	AKASH SHIVARAMA POOJARY		
4.	4MT16CS006	AKSHARI K C		
5.	4MT16CS007	AKSHAYA M		
6.	4MT16CS009	AMARNATH		
7.	4MT16CS010	AMBAREESH		
8.	4MT16CS011	ANURAG K V		
9.	4MT16CS012	ANUSHA K R		
10.	4MT16CS013	ANUSHA V RAI		
11.	4MT16CS014	ANUSHRI UMESH ACHARYA		
12.	4MT16CS016	ARPITH S		
13.	4MT16CS018	ASHITH KUMAR		
14.	4MT16CS019	BASHAM		
15.	4MT16CS020	C V AJAY		
16.	4MT16CS022	YASH KISHORE CHOWTA		
17.	4MT16CS023	DARSHAN PATIL B P		
18.	4MT16CS024	DISHA PRABHU		
19.	4MT16CS025	SHUBHAM J DOGRA		
20.	4MT16CS026	FAREEN SHAIKH		
21.	4MT16CS027	G M MUFEED		
22.	4MT16CS028	GAHANA		
23.	4MT16CS029	GANESH SHANKAR HULASHWAR		
24.	4MT16CS030	HAMEEZA K		
25.	4MT16CS031	HARIPRASAD		
26.	4MT16CS032	HARSH GOYAL		
27.	4MT16CS033	HARSHITA HARISH SHETTY		

28.	4MT16CS034	HRIDYA HARISH		
29.	4MT16CS036	JASMINE SALDANHA		
30.	4MT16CS037	K AMITHA HEGDE		
31.	4MT16CS038	KEERTHAN M		
32.	4MT16CS040	KUMUDHA H		
33.	4MT16CS041	LISHA DSOUZA		
34.	4MT16CS042	M YALLAMMA		
35.	4MT16CS044	M V MILIND		
36.	4MT16CS045	NAMBIAR SACHIN MURALIDHAR		
37.	4MT16CS046	NAMITH		
38.	4MT16CS047	NAMITHA DSOUZA		
39.	4MT16CS048	NAVYA KATAPADY		
40.	4MT16CS049	NEHA SHETTY		
41.	4MT16CS050	NIREEKSHA		
42.	4MT16CS051	NIREEKSHA S KOTIAN		
43.	4MT16CS052	NISHITHA SHETTIGAR		
44.	4MT16CS053	NIVEDITHA		
45.	4MT16CS054	P T NAMITA		
46.	4MT16CS055	PAVAN D K		
47.	4MT16CS056	PAVITRA NAYAK		
48.	4MT16CS057	POOJA		
49.	4MT16CS058	POOJAHSRI S POOJARY		
50.	4MT16CS059	PRAGATHI VIJAYA N V		
51.	4MT16CS122	Harisha Shettigar		
52.	4MT16CS121	M S Ziyad		
53.	4MT16CS123	Chiranth		
54.	4MT14CS070	Nireekshith		
55.	4MT15CS058	YASEEN		
56.	4MT15CS077	RAHUL		
57.	4MT15CS071	Prasad S Shetty		
58.	4MT14CS120	YADHU KRISHNA		
59.	4MT15CS114	VARUN G Y		
60.	4MT16CS061	Prakash G		
61.	4MT16CS062	Pratheek		
62.	4MT16CS063	Prathika S Rai		
63.	4MT16CS064	Pratyush Pradeep k		
64.	4MT16CS065	Rai Anurag Harish		
65.	4MT16CS066	Rajatha		
66.	4MT16CS067	Raksha N Kamath		
67.	4MT16CS068	Ramya kirana		
68.	4MT16CS069	Reena Mario Machodo		
69.	4MT16CS070	Reevan Christopher C		
70.	4MT16CS071	Rishika M r		
71.	4MT16CS072	Rithik Raghunath P		
72.	4MT16CS073	Riya Manoj		

73.	4MT16CS074	Rupesh Kamath		
74.	4MT16CS075	Sai Sooraj		
75.	4MT16CS076	Salin Madusha s		
76.	4MT16CS077	Sameeksha		
77.	4MT16CS078	Sanidhya K G		
78.	4MT16CS079	Sannidhi S shetty		
79.	4MT16CS080	Sapna B Shetty		
80.	4MT16CS081	Shalmali M		
81.	4MT16CS082	Shanthkumar B		
82.	4MT16CS083	Sharon Sunny		
83.	4MT16CS085	sheethal Y		
84.	4MT16CS086	Shetty Aditya C		
85.	4MT16CS087	Shetty Siddanth S		
86.	4MT16CS088	Shetty suyash Surendra		
87.	4MT16CS089	Shivani Moger		
88.	4MT16CS090	Shivani Y		
89.	4MT16CS091	Shobhith Nayak		
90.	4MT16CS092	Shravan Rai		
91.	4MT16CS093	Shreeya B		
92.	4MT16CS094	Shreya Sadananda P		
93.	4MT16CS095	Shreya Sheela Bhat		
94.	4MT16CS096	Shreyan		
95.	4MT16CS097	Shrirathna		
96.	4MT16CS099	Sourab S		
97.	4MT16CS100	Soumyashree		
98.	4MT16CS101	Sreeharsh T K		
99.	4MT16CS102	Sreenath		
100.	4MT16CS103	Sruthi P nair		
101.	4MT16CS105	Sudhanva Kote s		
102.	4MT16CS106	Sushmitha S Shetty		
103.	4MT16CS107	Sweekrithi D P		
104.	4MT16CS108	Vaishnav Raghu Jois		
105.	4MT16CS109	Vaishnavi Shetty		
106.	4MT16CS110	Varsha Pranitha R		
107.	4MT16CS111	Varsha Vinod		
108.	4MT16CS112	Vijayshree		
109.	4MT16CS113	Vikryath		
110.	4MT16CS115	Vishnu Mohandas		
111.	4MT16CS116	Vishnu P K		
112.	4MT16CS118	Vyshnav surendran		
113.	4MT16CS119	yashaswini S		
114.	4MT16CS120	Yashaswini Shetty		
115.	4MT15CS016	Ashfak Ahamed		
116.	4MT17CS400	Bhagya Jyothi		
117.	4MT15CS033	Dipin Pradeep		

P.
co-ordinator 14-3-19

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

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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

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 guests 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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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,
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One Day Workshop
ON
Linux for Computer Science
BY Mr. Manmohan K,
ON 12-03-19
PARTICIPANT – ATTENDANCE

Sl.No	USN	Name	Present (P) / Absent (A)
1.	4MT17CS001	A K NASEEM	P
2.	4MT17CS002	AAYUSH AMAN	A
3.	4MT17CS003	ABHIJITH NAIR	P
4.	4MT17CS004	ABHISHEK CHANDRAN	P
5.	4MT17CS005	ABIGAL SHARAL MATHIAS	A
6.	4MT17CS006	ABREEZ MUSADIK MAMBRA	A
7.	4MT17CS007	AISHWARYA K	P
8.	4MT17CS008	AKSHAY AS	P
9.	4MT17CS009	AKSHAY A P	P
10.	4MT17CS010	AKSHAY RAMACHANDRAN	A
11.	4MT17CS011	ALBIN BABY	P
12.	4MT17CS012	ALIFA ARA SHAIKH	P
13.	4MT17CS013	AMBIKA G PRABHU	A
14.	4MT17CS014	AMRUTHA BAPU GAIKWAD	P
15.	4MT17CS015	ANANYA P SHETTY	A
16.	4MT17CS016	ANIL KUMAR	P
17.	4MT17CS017	ANIMESH MEHTA	A
18.	4MT17CS018	APOORV KUMAR	P
19.	4MT17CS019	ARAVIND PRAVEEN	A
20.	4MT17CS020	ARJUN ANOOP KUMAR A	P
21.	4MT17CS021	ARJUN SUDARSANAN	P
22.	4MT17CS022	ARYA SURESH	A
23.	4MT17CS023	AVINASH GODVIN D ALMIEDA	P
24.	4MT17CS024	B M NAGASHREE	P
25.	4MT17CS025	BETSY BABY	A
26.	4MT17CS026	BHAGYASHREE	A
27.	4MT17CS027	BHARATH KUMAR	P
28.	4MT17CS028	BINDIYA C M	P
29.	4MT17CS029	C S APOORVA	P
30.	4MT17CS030	DARSHAN S	A

31.	4MT17CS031	DERRYL ASHWIN ARANHA	A
32.	4MT17CS033	DIVYAKEERTHI	P
33.	4MT17CS034	DONNA GRACE	A
34.	4MT17CS035	ELVEENA CRYSTAL VAS	P
35.	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	A
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	P
50.	4MT17CS051	LENISHA NIHAL FERNANDES	P
51.	4MT17CS052	MALISSA LIANA RODRIGUES	A
52.	4MT17CS054	MANOJ KUMAR K	P
53.	4MT17CS055	MANSHI GUPTA	P
54.	4MT17CS056	MD NOORUZAMAN	A
55.	4MT17CS057	MEGHANA SHARMA	P
56.	4MT17CS058	MILIND BIJUKUMAR	P
57.	4MT17CS059	MITHUN N	P
58.	4MT17CS060	MUHAMMED RIZWAN	A
59.	COB	MOHAMMED NABHAN	P
60.	4MT16CS104	STALIN D SOUZA	P
61.	4MT16CS084	SHAYAN VIOLA PINTO	P
62.	4MT17CS061	N S RAKSHITHA	A
63.	4MT17CS062	NAMRATHA	A
64.	4MT17CS063	NIHAL BHANDARY M	P
65.	4MT17CS064	NISHCHITH SHETTY	A
66.	4MT17CS065	NITHIN S	P
67.	4MT17CS066	NIVEDYA RAJEEV	A
68.	4MT17CS067	P V DIVETH SHETTY	L
69.	4MT17CS068	PALLAVI SHARMA	A
70.	4MT17CS069	PAVILA SONAL MISQUITH	P
71.	4MT17CS071	POOJA A SHETTY	P
72.	4MT17CS072	POOJA GAMSKAR	P
73.	4MT17CS073	POOJARI SOURABH SATHISH GEETHA	A
74.	4MT17CS074	POOJARY MURLIDHAR DIVAKAR	P
75.	4MT17CS075	PRABHU VAIBHAV GANAPATI	P
76.	4MT17CS076	PRAJNA D Y	A

77.	4MT17CS077	PRANEETH K	A
78.	4MT17CS078	PRARTHANA H R	P
79.	4MT17CS079	PRATHIKSHA	A
80.	4MT17CS080	PRATHVIN PINTO	A
81.	4MT17CS081	PREMSHANKAR MISHRA	P
82.	4MT17CS082	RAJANI R KULAL	A
83.	4MT17CS083	RAKSHITHA	P
84.	4MT17CS084	RHUTHVIK P	P
85.	4MT17CS085	ROSHAN NAYAK R	P
86.	4MT17CS086	S L THRISHUL SHERIGAR	A
87.	4MT17CS087	S SHAMANTH	P
88.	4MT17CS089	SAHANA	P
89.	4MT17CS090	SAIPRAKASH L AMIN	A
90.	4MT17CS091	SAKSHI RAI	P
91.	4MT17CS092	SATWIK BHARADWAJ U	P
92.	4MT17CS093	SHAIKH MOHAMMED RIHAAN	A
93.	4MT17CS094	SHAMEEL AHMED	P
94.	4MT17CS095	SHARAN	P
95.	4MT17CS096	SHARVARI K	A
96.	4MT17CS097	SHASHAN RAM K	P
97.	4MT17CS098	SHASHANK KUMAR	A
98.	4MT17CS099	SHIVEND SURAJ	P
99.	4MT17CS100	SHRUTHI MURALIDHARAN	P
100.	4MT17CS101	SITHARA S PAI	A
101.	4MT17CS102	SNEHA LINGAYATH	P
102.	4MT17CS103	SONAL	A
103.	4MT17CS104	SREYA V K	P
104.	4MT17CS105	STELON JERMAN DSOUZA	P
105.	4MT17CS106	SUJAN	A
106.	4MT17CS107	SUMITH P SHETTY	A
107.	4MT17CS108	SUPREETH S SHETTY	P
108.	4MT17CS109	SURAJ DINESH GADKAR	P
109.	4MT17CS110	SURAKSHA RANI	A
110.	4MT17CS111	SUSHMITHA SHETTY	P
111.	4MT17CS112	SWAROOP R M	A
112.	4MT17CS113	THEJUS PRAVEEN	P
113.	4MT17CS114	UTTAM KUMAR	A
114.	4MT17CS115	V ADITYA SREE KRISHNA	P
115.	4MT17CS116	VAIBHAV SHETTY	A
116.	4MT17CS117	VAIBHAV SINGH	P

P.C 12-3-19
Co-ordinator

12/3/19
HoD

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

HOD

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

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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.

- 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.

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

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

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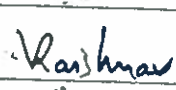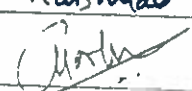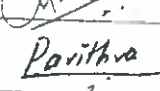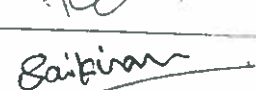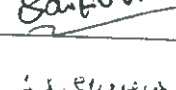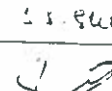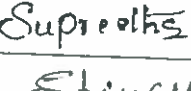
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,
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ONE DAY WORKSHOP ON IMAGE PROCESSING USING SCILAB

11th APRIL 2019 – ATTENDANCE (Morning)

SL NO	USN	CLASS/ SECTION	NAME	SIGNATURE
1	4MT17CS012	4CS1	ALIFA ARA SHAIKH	
2	4MT17CS035	4CS1	ELVEENA CRYSTAL VAS	
3	4MT17CS055	4CS1	MANSHI GUPTA	
4	4MT17CS058	4CS1	MILIND BIJUKUMAR	
5	4MT17CS060	4CS1	MUHAMMED RIZWAN	
6	4MT17CS068	4CS2	PALLAVI SHARMA	
7	4MT17CS069	4CS2	PAVILA SONAL MISQUITH	
8	4MT17CS071	4CS2	POOJA A SHETTY	
9	4MT17CS082	4CS2	RAJANI R KULAL	
10	4MT17CS083	4CS2	RAKSHITHA	
11	4MT17CS073	4CS2	POOJARI SOURABH SATHISH	
12	4MT16CS003	6CS1	ADARSHA K. R	
13	4MT16CS007	6CS1	AKSHAYA M	
14	4MT16CS012	6CS1	ANUSHA K R	
15	4MT16CS016	6CS1	ARPITH S	
16	4MT16CS023	6CS1	DARSHAN PATIL B P	
17	4MT16CS027	6CS1	G.M.MUFEED	

18	4MT16CS067	6CS2	RAKSHA N KAMATH	
19	4MT16CS082	6CS2	SHANTHKUMAR B	
20	4MT16CS091	6CS2	SHOBHITH NAYAK	
21	4MT16CS102	6CS2	SREENATH	
22	4MT16CS105	6CS2	SUDHANVA KOTE S	
23	4MT16CS108	6CS2	VAISHNAV RAGHU JOIS	
24	4MT14CS027	8CS1	BASHID	
25	4MT15CS065	8CS2	PAVITHRA KARANTHA	
26	4MT15CS080	8CS2	MOOLYA RAVI RAMESH	
27	4MT15CS087	8CS2	SAIKIRAN	
28	4MT15CS096	8CS2	SHWETA SHERIGAR	
29	4MT15CS101	8CS2	SREERAG C T	
30	4MT15CS105	8CS2	SUPREETHA	
31	4MT15CS106	8CS2	SUPRIYA C M	
32	4MT15CS118	8CS2	RUPESH POOJARY	

COORDINATOR

HOD

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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

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

Date 15-11-2018

Student Attendance

Section: 5EC-1

Sl. No.	USN	Name	Signature of Student
1	4MT16EC001	ABHIDEEP S	
2	4MT16EC002	ABHIJITH P	
3	4MT16EC003	ABHILASHA	
4	4MT16EC004	ABHISHEK	
5	4MT16EC005	ABHISHEK	
6	4MT16EC006	ABHISHEK B	
7	4MT16EC007	AJJAYYASWAMY S M	
8	4MT16EC009	AKSHAY P N	
9	4MT16EC012	AMRUTHA	
10	4MT16EC013	ARDRA RAJ	
11	4MT16EC014	ASHOKA KUMARA	
12	4MT16EC015	ASHWINI DSILVA	
13	4MT16EC016	AVINASH N	
14	4MT16EC017	MAHITA DHARMAPALA BANGERA	
15	4MT16EC018	BHARGAVA KRISHNA S K	
16	4MT16EC019	BHUVANESH G B	
17	4MT16EC020	CHAITANYA M S	
18	4MT16EC022	CLAYONA CRISSLE AVRIL LEWIS	
19	4MT16EC023	C N ADITHYA	
20	4MT16EC024	ROSITTA DSOUZA	
21	4MT16EC025	DANIYA DCRUZ	
22	4MT16EC027	DHANYASHREE DINESH	
23	4MT16EC028	DIVYASHREE G R	
24	4MT16EC029	GAGAN	
25	4MT16EC030	HAFSA MEHAR TAJ	
26	4MT16EC031	HARSHITH KUMAR	
27	4MT16EC032	HEGDE ANANYA NAGAYYA	
28	4MT16EC033	JASMIN CARON SANTHMAYOR	
29	4MT16EC034	JENISHA COELHO	
30	4MT16EC035	KARANTH SHREYAS VASUDEV	
31	4MT16EC037	KAVANA G G	
32	4MT16EC038	KAVYA G G	
33	4MT16EC039	KAVYA S	
34	4MT16EC041	KHALID MOHIDIN MOHAMMED	
35	4MT16EC044	KUKKUDAMANE AISHWARYA SHETTY	

			Signature of Student
36	4MT16EC045	MANIK	
37	4MT16EC046	MARWAN AARIF	
38	4MT16EC047	MELRINE AQUILA SALDANHA	
39	4MT16EC049	MOHAMMED ASHIK V K	
40	4MT16EC051	MUZNA NAZHATH	
41	4MT16EC052	NAMRATA ARUN PRABHAS	
42	4MT16EC053	NIDHI D SHETTY	
43	4MT16EC054	NIDHI SHETTY	
44	4MT16EC055	NIHAD	
45	4MT16EC056	NISARGA KALAGI	
46	4MT15EC073	SIJITH CYRIAC	
47	4MT16EC103	ZAID MOHAMMED	

Section: 5EC-2

Sl. No.	USN	Name	Signature of Student
1	4MT16EC057	PAVAN M SHETTY	
2	4MT16EC058	POOJARY SHARAN KARUNAKAR	
3	4MT16EC059	PRANAV C M	
4	4MT16EC060	PRATHEEKSHA	
5	4MT16EC061	PRAVEENKUMAR D KORAGAR	
6	4MT16EC062	RAHUL KRISHNANAND NAIK	
7	4MT16EC063	RAHUL M	
8	4MT16EC064	RAKSHA	
9	4MT16EC066	RAKSHITH KUMAR NAIK	
10	4MT16EC067	RAKSHITH N	
11	4MT16EC068	RAKSHITHA	
12	4MT16EC069	RASHIKA	
13	4MT16EC070	RAVI KIRAN	
14	4MT16EC071	RESHAL TEENA DSOUZA	
15	4MT16EC072	SADHANA A SHETTY	
16	4MT16EC073	SAHANA C M	
17	4MT16EC074	SAMPREETH S J	
18	4MT16EC075	SANJAY T R	
19	4MT16EC076	SANJOTH SHETTY	
20	4MT16EC078	SHAKTHI G SHETTY	
21	4MT16EC079	SHASHANK	
22	4MT16EC080	SHETTY SHREENIDHI SHIVARAM	
23	4MT16EC081	SHILPA J	
24	4MT16EC082	SHREESHMA SAGARIKA M	
25	4MT16EC083	SHREYA S	
26	4MT16EC084	SHRUTHI V	
27	4MT16EC086	SONAM SHETTY	
28	4MT16EC087	SRINIDHI S	

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29	4MT16EC088	SRUJANA M	
30	4MT16EC089	SUCHETHA NAIK	
31	4MT16EC090	SUVINITH KUMAR	
32	4MT16EC092	UPPADA VENKATA NARSHIMMURTHY	
33	4MT16EC093	V SRIRAM	
34	4MT16EC094	VAIBHAV NAYAK	
35	4MT16EC095	VAIBHAVI HEGDE	
36	4MT16EC096	VEDANTH KUMAR S	
37	4MT16EC097	VEEKSHA M	
38	4MT16EC099	VIJAYASHREE	
39	4MT16EC100	VILAS	
40	4MT16EC101	VISHWANATHA J	
41	4MT16EC102	VRINDA MOHAN	
42	4MT16EC040	KEERTHANA R SHETTY	
43	4MT17EC400	ADARSH S ACHAR	
44	4MT17EC401	AKSHAY	
45	4MT17EC402	ARUN KUMAR	
46	4MT17EC403	DEEKSHA SHETTY	
47	4MT17EC404	DHEERAJ	
48	4MT17EC406	MAKARANDA PRABHU	
49	4MT17EC407	PRASADA	
50	4MT14EC117	WELFRED PREETHAM	
51	4MT15EC020	CRISTINE MARIA GEORGE	
52	4MT15EC065	REEVE VINITH MARTIS	
53	4MT16EC403	GAUTHAM S BHAT	
54	4MT16EC410	SUMAN P N	

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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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DEPARTMENT OF MECHANICAL ENGINEERING
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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

SI No	USN	Student Name	Signature			
			12/4/2019(AM)	12/4/19(PM)	13/4/19(AM)	13/4/19(PM)
1	4MT17ME110	Raveesh				
2	4MT17ME121	Sampath				
3	4MT17 ME006	ABHIJITH K C				
4	4MT17 ME005	ABHIJITH B				
5	4MT16ME053	KR VIGNESH				
6	4MT16 ME023	BENNY BOBAN MANKIDY				
7	4MT16ME084	Mohammed Shahaf.M				
8	4MT15ME145	Mohammed Ijas.P				
9	4MT16ME046	Ijas Ali P.K C				
10	4MT16ME076	Mohammed Fardeen				

			Signature			
11)	4MT16ME083	MOHAMMED SAHEEM SHEIKH				
	~~SAHEEM SHEIKH~~	"	Shaf	Shb	Saf	Shil
12	4MT16ME078	MOHAMMED ISMAIL SINAN	SnO	Snl	Sul	Rl
13	4MT17ME154	Thufail Ahmed	PWal	Chh	Plauf	Thuf
14	4MT16ME112	RAKSHITH N. BABU	By	By	Fam	Bu
15	4MT16ME111	RAJATH G. NAYAK	B tk	B tk	Bu	Bul
16	4MT15ME145	SIDHARTH N KUTTY	S.	S.	So	S
17	4MT16ME013	Amal Madhusoodhanan	Amal	Amal	Imal	Imal
18	4MT16ME127	Sandeer	Sp	Sp	Lup	Lup
19	4MT17ME074	MOHAMMED SAHIL	Rahil	Shil	Rll	Rohil
20	4MT17ME012	Afsham Ahemed	Afs	Af	Ae	Afs
21	4MT17ME071	MOHAMMED NABIL	Nabil	Nabil	Nabil	Nabil
22	4MT17ME111	Royal D'souza			Ry	Ry
23	4MT17ME087	NIKHIL			Nikhil	Nikhil
24	4MT18ME400	AKHIL N	Akl	Akl	Akl	Akil
25	4MT18ME405	PRAJWAL. M. R.	M R Praj	M.R Praj	M R Raj	M.R Raj.
26	4MT16ME087	MUHAMMED ASEEL	Afe	Afe	AR	Af
27	4MT16ME072	Mohammed Arsh J Hussain	Iurfuen	Iurfuen	Iuff	Iuff
28	4MT16ME020	Ashiq Biniyam	Afs	Afs	Afj	Afl
29						
30						

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.

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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

MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

Department of Mechanical Engineering

Name of the visiting Company: Mr. Ganesh Shankar, Mr. Jagatheeswaran Senthilvelan, FluxGen Technologies Pvt. Ltd, Bangalore
Topic covered: IoT applied to Sustainable Technologies
Course(CO-PO) mapped: PO1, PO5, PO7, PO9, PO10, PO12
Date: 08.10.2018 and 09.10.2018
Signature of the resource person:

Duration: 2 Days

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

Venue: Auditorium-2 & CAD Lab

Sl.NO.	NAME	USN	Attendance							
			4MT16ME052							
			4MT16ME							
			4MT16ME							
13			4MT16ME191							
14	Surendra kumar	4MT16ME035								
15	N Vishwas Hegde	4MT16ME091								
16	Sourav Kumar	4MT16ME091								
17	Souravi Nayak	4MT16ME140								
18	Sanjay Shetty	4MT16ME130								
	Sandeep	4MT16ME191								
19	Mohammed Shabaz CP	4MT16ME026								
20	Tabra V	4MT16ME055								
21	Nikhila	4MT16EC015								
22	Eshwar	4MT16EC009								
23	Zaid	4MT16EC103								
24	Saad Salim Shaikh	4MT16ME017								
25		4MT16EC009								
26		4MT16EC094								
27		4MT15ME118								
28		4MT16EC011								
29		4MT16ME113								
30	Deepak Dudhani	4MT16ME025								
31	Kenny Vishal	4MT16ME058								
32	Rohith Kumar	4MT16EC066								
33	Sanjay T R	4MT16EC075								
34	Pavan M shetty	4MT16EC067								
35	Manjunath	4MT16ME058								
36		4MT16ME079								
37		4MT16ME177								
38	Mahveen Taj	4MT16ME067								
39		4MT16ME								
40	Pavish	4MT16ME013								
			4MT16ME042							
	Akhil Johnson	4MT15ME094								
			4MT16ME120								
	Abhi	4MT16ME010								
			4MT16ME117								
			4MT15ME055								
	Vishal	4MT16ME								
			4MT16ME161								
	Rachith B Salian	4MT16ME006								
			4MT16ME180								
			4MT16ME								
	Tamara Lobo	4MT16ME09								
	Sandeep	4MT16ME127								
			4MT16ME165								
	Manzoor Arsh	4MT16ME075								
	Faaih Rasheed	4MT16ME160								
	Mohammed Sohail	4MT16ME								
101		4MT16ME								
102	Mohammed Oudith Shaikh	4MT16ME033								
103	MUTAHHED ASEELAG	4MT16ME037								
64		4MT16ME157								
65	Rowan Joric SALDANHA	4MT16ME								
66	Vernon Lawrence Pinto	4MT16ME182								
67		4MT16ME								
68		4MT16ME								
69		4MT16ME								
70	ASHRITH	4MT16ME401								
71	Darshan P	4MT15ME051								
72	Crystal Jayle Noronha	4MT15ME036								
73	Ajith	4MT16ME009								
74	Punith Raj	4MT15ME189								
75		4MT16ME								
76		4MT16ME								
77		4MT16ME								
78	Prithvik K S	4MT16ME								
80		4MT15ME126								
81	Rakshith Kotari	4MT15ME102								

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

Student coordinators: Deepak Dudhani (5ME2)

Sl no	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 (S6)	09/10/18 (S7)	09/10/18 (S8)
1	4MT16ME123	SADDAM HUSAIN	SME2	P	P	P	P	P	P	P	P
2	4MT16ME029	DENZIL DIAS	SME2	P	P	P	P	P	P	P	P
3	4MT16ME122	ROYSTON SALDANHA	5ME2	P	P	P	P	P	P	P	P
4	4MT16ME026	DEEEKSHITH.B SALIAN	5ME2	P	P	P	P	P	P	P	P
5	4MT16ME050	JEEVAN LOBO	5ME2	P	P	P	P	P	P	P	P
6	4MT16ME129	SANDESH.R. SHETTY	5ME2	P	P	P	P	P	P	P	P
7	4MT16ME127	SANDEEP	5ME2	P	P	P	P	P	P	P	P
8	4MT15ME086	MOHAMMED SHIFAZ.P	7ME3	P	P	P	P	P	P	P	P
9	4MT15ME052	JABIR.V.P	7ME3	P	P	P	P	P	P	P	P
10	4MT16ME075	MOHAMMED AUSAF IHSAAN	5ME3	P	P	P	P	P	P	P	P
11	4MT16ME065	MOHAMMED GULZAR	5ME3	P	P	P	P	P	P	P	P
12	4MT16ME161	VELSA.S.PINTO	SME1	P	P	P	P	P	P	P	P
13	4MT16ME027	DEEEPAK BABURAJ	5ME1	P	P	P	P	P	P	P	P
14	4MT16ME086	SUHAIL SADIQ	5ME1	P	P	P	P	P	P	P	P
15	4MT16ME159	VARUN S BHAT	5ME1	P	P	P	P	P	P	P	P
16	4MT116ME047	IMAAD SALIM	5ME1	P	P	P	P	P	P	P	P
17	4MT16ME013	AMAL MADOOSUDHAN	5ME1	P	P	P	P	P	P	P	P
18	4MT16ME016	ARJUN	5ME1	P	P	P	P	P	P	P	P
19	4MT16ME062	LEKHANA	5ME1	P	P	P	P	P	P	P	P
20	4MT16ME094	NAVEEN KUMAR	5ME1	P	P	P	P	P	P	P	P
21	4MT16ME121	ROMARIO TOM	5ME1	P	P	P	P	P	P	P	P
22	4M16ME091	N.VISHWAS HEGDE	5ME1	P	P	P	P	P	P	P	P
23	4MT16ME130	SANDESH SHETTY	5ME1	P	P	P	P	P	P	P	P
24	4MT16ME008	AKSHAY.K	5ME1	P	P	P	P	P	P	P	P
25	4MT16ME152	THEJAS.S	5ME1	P	P	P	P	P	P	P	P
26	4MT16ME118	RISHAB H KARKERA	SME1	P	P	P	P	P	P	P	P
27	4MT17ME401	ABHISEKH.K.S.	5ME3	P	P	P	P	P	P	P	P
28	4MT16ME115	RAMSIL MARCORENHAS	5ME3	P	P	P	P	P	P	P	P
29	4M16ME035	GAJENDRA KRISHNA NAIK	5ME1	P	P	P	P	P	P	P	P
30	4MT16ME162	VERNON. LAWRENCE.PINTO	5ME1	P	P	P	P	P	P	P	P
31	4MT16ME014	ANUSH.D.	5ME1	P	P	P	P	P	P	P	P
32	4MT16ME140	SHIVARARDA	5ME1	P	P	P	P	P	P	P	P
33	4MT16ME067	MAKWYN.VAS	5ME1	P	P	P	P	P	P	P	P
34	4MT16ME128	SANDESH	5ME1	P	P	P	P	P	P	P	P
35	4MT16ME418	RAMAKRISHNA MALLYA T	7ME3	P	P	P	P	P	P	P	P
36	4MT16ME072	M.ANASS HUSSAIN	5ME3	P	P	P	P	P	P	P	P
37	4MT16ME087	MOHAMMED ASEEL	5ME3	P	P	P	P	P	P	P	P
38	4MT16ME083	SAHEEM SHEIK	5ME3	P	P	P	P	P	P	P	P
39	4MT16ME028	DEEPAK DUDHANI	SME2	P	P	P	P	P	P	P	P
40	4MT16ME058	KENNY VISHAL	SME2	P	P	P	P	P	P	P	P
41	4MT16ME053	KR VIGNESH	SME1	P	P	P	P	P	P	P	P
42	4MT16ME120	RAOHWIN GLEN DSOUZA	5ME3	P	P	P	P	P	P	P	P
43	4MT15ME048	GAURAV T PAL	7ME1	P	P	P	P	P	P	P	P
44	4MT16ME423	RAJAT SHETTY	7ME3	P	P	P	P	P	P	P	P

	USN	Name	Sec								
45	4MT16ME424	SHIVOMONDO	7ME3	P	P	P	P	P	P	P	P
46	4MT15ME094	NIKHIL JOHNSON	7ME1	P	P	P	P	P	P	P	P
47	4MT15ME120	RITHIN KUNDAR V	7ME1	P	P	P	P	P	P	P	P
48	4MT15ME036	CRYSTAL JOYLE NAZARETH	7ME1	P	P	P	P	P	P	P	P
49	4MT15ME117	RASHAD RAFEEQUE	7ME2	P	P	P	P	P	P	P	P
50	4MT15ME028	AVILASH	7ME2	P	P	P	P	P	P	P	P
51	4MT15ME118	RATHAN KUMAR	7ME2	P	P	P	P	P	P	P	P
52	4MT15ME037	DARSHAN D	7ME1	P	P	P	P	P	P	P	P
53	4MT15ME102	PAWANRAJ	7ME2	P	P	P	P	P	P	P	P
54	4MT15ME132	SHAHABAS	7ME2	P	P	P	P	P	P	P	P
55	4MT15ME004	ADITYANATH .K.V	7ME2	P	P	P	P	P	P	P	P
56	4MT15ME088	PRANAM	7ME2	P	P	P	P	P	P	P	P
57	4MT15ME114	RAKSHITH	7ME2	P	P	P	P	P	P	P	P
58	4MT16ME410	KIRAN KUMAR CK	7ME2	P	P	P	P	P	P	P	P
59	4MT16ME417	RAJAT R. PATANKAR	7ME2	P	P	P	P	P	P	P	P
60	4MT15ME124	ROSHIL ROSE	7ME1	P	P	P	P	P	P	P	P
61	4MT15ME064	RISHAB P.KUMAR	7ME2	P	P	P	P	P	P	P	P
62	4MT17ME032	CHINMAY.B	3ME1	P	P	P	P	P	P	P	P
63	4MT17ME042	GOPAL KRISHNA.B	3ME1	P	P	P	P	P	P	P	P
64	4MT17ME105	AKASH.K.N	3ME1	P	P	P	P	P	P	P	P
65	4MT17ME162	VINAY.K	5ME3	P	P	P	P	P	P	P	P
66	4MT17ME165	VISHAL SARVAND	3ME1	P	P	P	P	P	P	P	P
67	4MT16ME407	BHARGAV.K	7ME1	P	P	P	P	P	P	P	P
68	4MT16ME404	ASHRITH	7ME1	P	P	P	P	P	P	P	P
69	4MT16ME166	ZUNAIB BASHEER	5ME3	P	P	P	P	P	P	P	P
70	4MT15ME055	MUHAMMED SHINAJ	7ME3	P	P	P	P	P	P	P	P
71	4MT16ME142	VIGNESH ACHARYA	5ME2	P	P	P	P	P	P	P	P
72	4MT16ME068	MANJUNATH	5ME2	P	P	P	P	P	P	P	P
73	4MT16EC057	PAVAN SHETTY	EC	P	P	P	P	P	P	P	P
74	4MT16EC075	SANJAY TR	EC	P	P	P	P	P	P	P	P
75	4MT16EC094	VAIBHAV	EC	P	P	P	P	P	P	P	P
76	4MT16EC099	VIJAYASHREE	EC	P	P	P	P	P	P	A	A
77	4MT16EC066	RAKSHITH	EC	P	P	P	P	P	P	P	P
78	4MT16EC071	SHARADHI PATIL	EC	P	P	P	P	P	P	P	P
79	4MT16EC017	MAHITA	EC	P	P	P	P	P	P	P	P
80	4MT16EC009	AKSHAY	EC	P	P	P	P	P	P	P	
81	4MT16EC103	ZAID	EC								

Faculty incharge: Akshay Bhat (Asst. Prof, Dept. Of Mech)

Student coordinators: Deepak Dudhani (5ME2)

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

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

Head ...
Mangalore ...
Hadapa M...

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Badaga Mijar, Moodbidri-574225

Department of Mechatronics Engineering

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

Date: 5TH and 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

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.

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 MATLAB & SIMULINK. Date: 5 & 6 March 2019

STUDENT LIST OF FOURTH SEM (EVEN SEM 2019)

SL. NO.	USN	NAME	SIGNATURE
1	4MT17MT001	ABDUL RAHIMAN	
2	4MT17MT002	ABHINAV K	
3	4MT17MT003	ADARSH DHANANJAY POOJARY	
4	4MT17MT005	AHASANUL MUSTAFA	
5	4MT17MT006	AHMED REZA MOHAMMAD KUNHI	
6	4MT17MT007	AKSHAY R KOTIAN	
7	4MT17MT008	AMITH S LAHARI	
8	4MT17MT009	AMRUTH M ACHARYA	
9	4MT17MT010	ANVITH C RAI	
10	4MT17MT012	ASHWIN K A	
11	4MT17MT013	ASHWITHA SATHISH KUMAR	
12	4MT17MT014	CHANDAN C	
13	4MT17MT015	DE SOUZA EREMITA BENOY BENJIRO	
14	4MT17MT016	FAHAD KOLUMBIL A JABBAR	
15	4MT17MT017	FAIZAN MOHAMED	
16	4MT17MT018	GAURAV B BANJAN	
17	4MT17MT019	GOWTHAM H S	
18	4MT17MT020	GURJAO VICKSAN JACINTO	
19	4MT17MT021	JEVIL CLEMENT MENDONCA	
20	4MT17MT023	KISHORE KUMAR S	
21	4MT17MT025	M KARTHIK	
22	4MT17MT026	MOHAMMED FAZEEL NASIR KHAN	
23	4MT17MT027	MOHAMMED SHIHAB	Shihab
24	4MT17MT028	MOHAMMED THOSIF ALI	
25	4MT17MT029	MUAAZ	
26	4MT17MT030	N SURAJ	
27	4MT17MT031	NAFA ABDUL RAHMAN	
28	4MT17MT032	NAMITA NAIR	
29	4MT17MT033	NANDISH B CHAKRAD	
30	4MT17MT034	NARTHAN S N	
31	4MT17MT035	NIHARIKA RAO R	
32	4MT17MT036	NISCHITH	
33	4MT17MT037	NITHIN GEORGE	
34	4MT17MT038	OMKAR MAHESH PATIL	
35	4MT17MT039	PRARTHAN JAIN	
36	4MT17MT040	PRATHISH C SUVARNA	
37	4MT17MT041	RAI PRAJATH MAHABALA	
38	4MT17MT042	RAKSHAN K	
39	4MT17MT043	RAMDAS M R	
40	4MT17MT044	RANJITH	
41	4MT17MT045	SABITH AHAMED MANEGAR	
42	4MT17MT046	SAGAR S ACHARYA	
43	4MT17MT047	SHAHZAD ABDULLA A	
44	4MT17MT048	SHASHANK B C	
45	4MT17MT049	SHETTY SUJAY JAYARAM	
46	4MT17MT050	SHETTY TEJAS DEVRAJ	Tejas
47	4MT17MT051	SHRAVAN KUMAR	
48	4MT17MT052	SHREERAJ	
49	4MT17MT053	SOURABHA K	
50	4MT17MT054	SUMANTH	

51	4MT17MT055	VIGHNESHWARA C	
52	4MT17MT056	PAWAN SHETTY	
53	4MT17MT057	PARTHASARATHI RAMAKRISHNAN K	
54	4MT16MT028	SIDHARTH	
55	4MT16MT043	AMIT P SANGOLLI	
56	4MT18MT400	ANANTHAKRISHNA M S	
57	4MT18MT401	NILESH B MARKAL	
58	4MT18MT402	PRAJWAL HEGDE	
59	4MT18MT403	SANDESH SHANKAR PATIL	
60	4MT18MT404	SUJAY KN	
61	4MT18MT405	Sanjay.K. Acharya	
62	4MT18MTR01	ABHILASH.K. SALIAN	
63	4MT17MR01	SHADVALA.K. SEBASTIAN	
64	4MT17LVS01		

4MT18MT

4MT18MT003   ABHISHEK CM

4MT18MT006   AKARSH MANOJ

4MT18MT007   AKASH JOSEPH

4MT18MT019   MOHAMMED ARFAQ THK

Head of the Dept. of Mechatronics Engg

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Department of Information Science and Engineering

<u>CIRCULAR</u>

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 Dept. 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

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?

- 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.

➤ **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 Dept. 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

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

Sl.No.	USN	NAME	8/2/2019	9/2/2019
1	4MT17IS001	ABDUL AFFOU		
2	4MT17IS002	ABDUL FAIZ		
3	4MT17IS003	AKANKSHA SHETTY		
4	4MT17IS008	ANUSHREE		
5	4MT17IS009	ASHWIN K SHETTY		
6	4MT17IS010	ASHWITHA POOJARY		
7	4MT17IS011	BHAVYATHA		
8	4MT17IS012	CHAITHALI BHANDARKAR		
9	4MT17IS013	DEEKSHA		
10	4MT17IS015	FATHIMA AFEEFA		
11	4MT17IS017	H S SHARANYA HEGDE		
12	4MT17IS018	HIMANI		
13	4MT17IS026	MELISSA NICOLE DANTHI		
14	4MT17IS031	PAMELA DAISY FERRAO		
15	4MT17IS035	PRAGATHI POOVAMMA N S		
16	4MT17IS036	PRAJNA D SHETTY		
17	4MT17IS038	PRATHEEKSHA L SHASTRI		
18	4MT17IS039	PRATHIKSHA SUVARNA		
19	4MT17IS040	PRATIKSHA K POOJARY		
20	4MT17IS042	RAVEENA HEBBAR		
21	4MT17IS044	ROSHANI SHETTY R		
22	4MT17IS045	SHETTY PRATIKSHA PRASAD		
23	4MT17IS047	SHREYAS K S		
24	4MT17IS049	SINCHANA B		
25	4MT17IS051	SWARNIKA SHETTY		
26	4MT17IS057	VEEKSHA N RAI		
27	4MT17IS058	ASHIKA		

28	4MT16IS002	ADITYA KOTE H		
29	4MT16IS003	AISHWARYA		
30	4MT16IS005	AMRITHA S BANGERA		
31	4MT16IS006	ANISHA H		
32	4MT16IS007	ANNAPOORNA		
33	4MT16IS008	ANUSHA H		
34	4MT16IS011	CHETHANA K S		
35	4MT16IS012	D K RAJESHWARI		
36	4MT16IS014	IONA AMANDA DSOUZA		
37	4MT16IS017	K S SNEHALATHA		
38	4MT16IS018	LEHAN MAX DSOUZA		
39	4MT16IS019	LUBNA		
40	4MT16IS020	M SANDHYA BHAGAVATH		
41	4MT16IS024	NIRANJAN MALLYA		
42	4MT16IS026	POORVIKA N N		
43	4MT16IS028	PRAKRUTHI VIJAYA N V		
44	4MT16IS030	PRASHIL C ALVA		
45	4MT16IS031	RACHANA		
46	4MT16IS032	RAHUL		
47	4MT16IS034	RAKSHITHA J		
48	4MT16IS035	RASHMI		
49	4MT16IS037	ROSHNI P SHETTY		
50	4MT16IS040	SANGEETHA S		
51	4MT16IS043	SHASHANK K BHAT		
52	4MT16IS044	SHETTY THEJASHWI UDAY		
53	4MT16IS046	SHRAVYA		
54	4MT16IS048	SHUBHRA JAIN		
55	4MT16IS049	SHWETHA		
56	4MT16IS050	SNEHA S		
57	4MT16IS053	SUSHMITHA BANGERA S		
58	4MT16IS054	SWATHI		
59	4MT16IS060	THRISHA JAIN		
60	4MT16IS061	SAVY JAIN		

5.1.3-ICT/Computing Skills (2017-2018)

Sl 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

HOD

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

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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
- **Currently pursuing his PhD in ....at VTU.....**
- **Master of Technology in Computer Engineering (M.Tech) at Sri Jayachamarajendra College of Engineering, Mysore, First Rank with Gold Medal from VTU**
- **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.
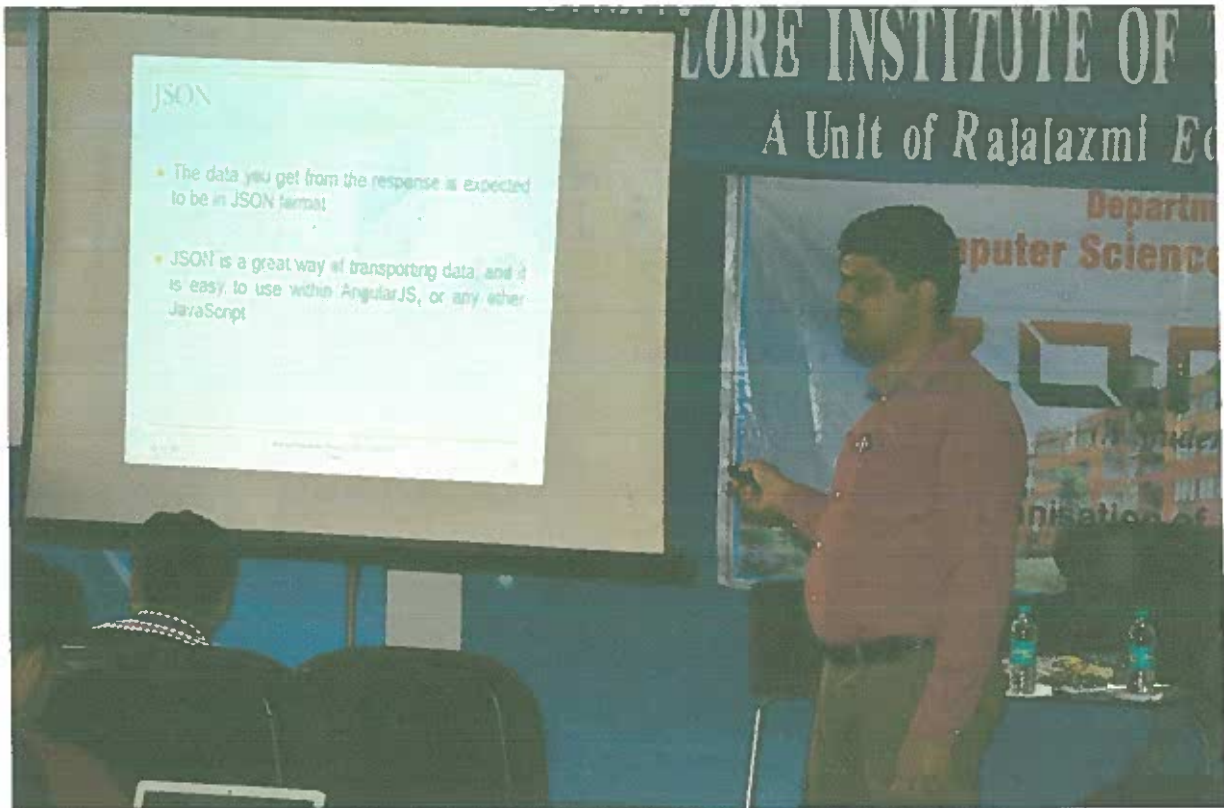
Figure 1. Mr. Roshan Fernandes delivering a talk on Bootstrap and AngularJS

Mangalore Institute of Technology and Engineering

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Badaga Mijar, Moodbidri-574225

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

Si No	USN	STUDENT NAME	Morning Session	Afternoon Session
1	4MT15CS001	ABHIRAM K	P	P
2	4MT15CS003	ADITYA DINESH	P	P
3	4MT15CS005	AKHIL THOMAS	P	P
4	4MT15CS006	AKSHATHA	P	P
5	4MT15CS008	ALOMA PATRAO	A	A
6	4MT15CS010	ANANTHA PADMANABHA	P	P
7	4MT15CS011	ANIL KUMAR K	P	P
8	4MT15CS012	ANKITHA	P	P
9	4MT15CS014	ANUSHA KARKERA	P	P
10	4MT15CS015	ANUSHREE M	P	P
11	4MT15CS017	ASHIKA SHETTY	P	P
12	4MT15CS018	ASHMITH ANUP KUMAR	P	P
13	4MT15CS019	ASHWINI V SHETTY	P	P
14	4MT15CS021	ASWIN P P	A	A

15	4MT15CS024	ATHUL RAVEENDRAN	P	P
16	4MT15CS025	CHAITRA J	P	P
17	4MT15CS026	CHETHAN R PRASAD	P	P
18	4MT15CS027	CHOWTA PRITHESH BHASKAR	P	P
19	4MT15CS028	CHOWTA PRIYESH BHASKAR	P	P
20	4MT15CS029	CLITAN CRASTA	P	P
21	4MT15CS030	DHANYA SHENOY	P	P
22	4MT15CS031	DHAVAN RAO B V	P	P
23	4MT15CS032	DHRUV A GODHANI	P	P
24	4MT15CS034	DIVYA	P	P
25	4MT15CS035	FATHIMATHUL ZUWERIYA	P	P
26	4MT15CS036	FAWAZ AHAMED M	P	P
27	4MT15CS037	HARSHITH S	P	P
28	4MT15CS038	HITHESH	P	P
29	4MT15CS040	JERRIN RAJAN	P	P
30	4MT15CS041	JOEL BABY	P	P
31	4MT15CS042	JOSWY PIO BARBOZA	P	P
32	4MT15CS043	KAPIL SHARMA	P	P
33	4MT15CS044	KARISHMA	P	P
34	4MT15CS045	KARTHIK NAYAK	P	P
35	4MT15CS047	KASHYAP BHANU DAS	P	P
36	4MT15CS048	KAVEESH SHETTY	P	P
37	4MT15CS049	KEERTHI	P	P
38	4MT15CS051	KRISHNAMOORTHY	P	P
39	4MT15CS052	KUWAILA K K	P	P
40	4MT15CS053	MAHESH N	P	P
41	4MT15CS054	MANJUNATH GOUDAR	P	P

42	4MT15CS055	MEGHANA PRAKASH	A	A
43	4MT15CS059	NANDAKISHOR T	P	P
44	4MT15CS060	NEHA N	P	P
45	4MT15CS061	NIKHITHA SHETTY	P	P
46	4MT15CS063	NITHIN SAJEEVU	P	A
47	4MT15CS064	PATRICK MATHEW	P	P
48	4MT15CS065	PAVITHRA KARANTHA	P	P
49	4MT15CS066	PAYAL SHETTY	P	P
50	4MT15CS067	PINTO ANISHA ADOLPHUS	P	P
51	4MT15CS068	PRADEEP BHOJA NAIK	P	P
52	4MT15CS069	PADYUMMA BHAT	P	P
53	4MT15CS070	PRAJWAL SHETTY	P	P
54	4MT15CS072	PRATHEEKSHA P HEGDE	P	P
55	4MT15CS073	PRATHEEKA V SHETTY	P	P
56	4MT15CS074	PRATHIKSHA P PAI	P	P
57	4MT15CS075	PUNEETH	P	A
58	4MT15CS076	RACHANA U	P	P
59	4MT15CS078	RAKSHA B K	P	P
60	4MT15CS079	RANJAN KUMAR	P	P
61	4MT15CS080	MOOLYA RAVI RAMESH	P	P
62	4MT15CS081	RRAYYAN ALI	P	P
63	4MT15CS082	RENITA HERALD DSOUZA	P	P
64	4MT15CS083	RITHIKA M R	P	P
65	4MT15CS084	RIZWAN RAMZAN AHAMED	P	A
66	4MT15CS085	ROCHELLE SONALI AMANNA	P	P
67	4MT15CS087	SAIKIRAN	P	P
68	4MT15CS088	SALIAN PRASHANT MADHAV	P	P

				P	P
69	4MT15CS090	SHEZAN SHABEER		P	P
70	4MT15CS091	KOTIAN SHIFALI MAHESH		P	P
71	4MT15CS093	SHREYAS V		P	P
72	4MT15CS094	SHRINIDHI		P	P
73	4MT15CS095	SUBHADA RAO		P	P
74	4MT15CS096	SHWETA SHERIGAR		P	P
75	4MT15CS098	SOORAJ K		P	A
76	4MT15CS099	SOUJANYA		P	P
77	4MT15CS100	SOURABH KOTTUMMAL		P	P
78	4MT15CS101	SREERAG C T		P	P
79	4MT15CS102	SRISHTI SHETTY		P	P
80	4MT15CS103	SUDARSHAN SHETTY		P	P
81	4MT15CS104	SUKETH		P	P
82	4MT15CS105	SUPREETHA		P	P
83	4MT15CS106	SUPRIYA C M		P	P
84	4MT15CS107	SURESH PRABHU		P	P
85	4MT15CS108	SUSHMITHA S S		P	P
86	4MT15CS109	SWAPNA PAI		P	P
87	4MT15CS111	SWATHI GANAPATHI BHAT		P	P
88	4MT15CS112	SWETA		P	P
89	4MT15CS113	VARSHA		P	P
90	4MT15CS115	VIJETHA S RAI		P	P
91	4MT15CS116	VISHNU VINOD		P	P
92	4MT15CS117	ROSHAN RAJ		P	P
93	4MT15CS118	RUPESH POOJARI		P	A
94	4MT16CS400	CHANDANA D M		P	P
95	4MT16CS402	NAGARAJ MENDEN		P	P

CORE-Staff Coordinator
SUNIL KUMAR S

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

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

GEC1 :

6EC2 :

8EC1 :

8EC2 :

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

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.

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.

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

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.

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 Ngee 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.

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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26/4/2018

Sl no	USN	Name	Signature of Student
1	4MT15EC006	Afroz Mohammed Shaik	
2	4MT15EC009		
3	4MT15EC014	Anjithis B Naik	
4	4MT15EC016	Ahisha + Fernandes	
5	4MT15EC013	Ashika J Shet	
6	4MT15EC019	Arnold Joben	
7	4MT15EC021	Shpiley	
8	4MT15EC023	Carol Keisha Pinto	
9	4MT15EC026	Nidhi Raymond	
10	4MT15EC030	Niveditha U	
11	4MT15EC060	Lakshmiqi	
12	4MT15EC071	Shraddha Shenoy	
13	4MT15EC061	Prajwal	
14	4MT15EC073	Sobitha	
15	4MT15EC075	Pradeep M	Pradeep M
16	4MT15EC		
17	4MT15EC022	Dakshan	Dakshan
18	4MT15EC044	Chinmay Desai	
19	4MT15EC069	Zaina Puneen	
20	4MT15EC080	Tanushee	
21	4MT15EC076	Manoj Kamath	
22	4MT15EC002	Rahul T Naik	
23	4MT15EC001	Akshay P N	
24	4MT15EC001	Shilpa J	
25	4MT15EC	Vrinda D'Silva	
26	4MT15EC	Bhoomika S	
27	4MT15EC	Adithi	
28	4MT15EC	Praveen D'Sa	

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Sl no	USN	Name	Signature of student
29	4MT16II001	Araya Swamy	15
30	4MT16II035	Shavana P	

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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

HoD

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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.

Sl. No.	USN	Name	Signature of Student
1	4MT16EC007	Shourenshik Kinnar	
2	4MT16EC013	Mahila Dharmapala	
3	4MT16EC016	Amrutha	
4	4MT16EC008	Dyachree G R	
5	4MT16EC031	Kavana G G	
6	4MT16EC033	Kavya G G	
7	4MT16EC044	Krudman Shishurya	
8	4MT16EC047	Meisia Aquila Saldh	
9	4MT16EC066	Pragana M	
10	4MT16EC013	Srinivas C M	
11	4MT16EC064	Sucheetha Nair	
12	4MT16EC060	Puthee Lata	
13	4MT16EC024	Rositta D Soza	
14	4MT16EC015	Daniya D Gayd	
15	4MT16EC051	Muzna Nazrath	
16	4MT16EC031	Jehisha Calh	
17	4MT16EC030	Hafsa Mehar	
18	4MT16EC095	Vaibhavi Hegd	
19	4MT16EC102	Vrinda Mohan	
20	4MT16EC089	Shruthi V	
21	4MT16EC081	Shilpa J	
22	4MT16EC071	Rishel Jen	
23	4MT16EC00	Nidhi D Shetty	
24	4MT16EC086	Sonam Shetty	
25	4MT16EC090	Rushada R Sly	
26	4MT15EC20	Jyothi Mani	
27	4MT16EC103	Zaid Mohmin	
28	4MT16EC046	Maswan Aary	

Sl no	USN	Name	Signature of student
29	4MT16EC022	C D Achutya	
30	4MT16EC005	Abhishek	
31	4MT16EC004	Abhishek	
32	4MT16EC014	Ashoka Kumar	
33	4MT16EC062	Rahul Koobranad	
34	4MT16EC078	Sanjay TK	
35	4MT16EC101	Vishwanatha T	
36	4MT16EC094	Vaibhav Nayak	
37	4MT16EC066	Rakshith	
38	4MT16EC073	Shakthi S Shetty	
39	4MT16EC030	Pavithran	
40	4MT17EC400	Dhulay	
41	4MT17EC401	Prasanna	
42	4MT16EC096	Vedanth Kumar	
43	4MT16EC101	Veshwanatha T	
44	4MT16EC049	Manik	
45	4MT16EC007	Ajaykumar SM	
46	4MT16EC063	Rahul M	
47	4MT16EC090	Sujnlith Km	
48	4MT17EC405	Basuda	
49	4MT16EC055	Chiran Joop	
50	4MT16EC051	Pavan Shetty	

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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.

HOD

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

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DEPARTMENT OF MECHANICAL ENGINEERING
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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
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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

MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

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   Duration: 2 Days
Signature of the resource person:

Audience: Registered students of Mechanical Engineering   Venue: PG002

SI no	USN	NAME	CLASS	23/03/18 Am	23/03/18 Pm	24/03/18 Am	24/03/18 Pm
1	4MT16ME013	AMAL MADHUSOOTHANAN	4ME1				
2	4MT16ME027	DEEPAK BABURAJ	4ME1				
3	4MT16ME034	GAGAN G AMIN	4ME1				
4	4MT16ME047	IMAAD SALIM SHAIKH	4ME1				
5	4MT16ME134	SHAMANTH S SHETTY	4ME1				
6	4MT16ME086	MOHAMMED SUHAIL SADIQ	4ME1				
7	4MT16MT012	HARSHIKESH WADGAVE	4ME1				
8	4MT16ME019	ARSHAD K I SHAIKH	4ME2				
9	4MT16ME037	GURUNATH A S	4ME2				
10	4MT16ME045	H PRAJWAL	4ME2				
11	4MT16ME092	NAVNEETH	4ME2				
12	4MT16ME106	PUNEETH SUVARNA	4ME2				
13	4MT16ME135	SHANIBJAN T	4ME2				
14	4MT16ME146	SUHAS NAYAKA	4ME2				
15	4MT16ME004	ADARSH MOOLYA	4ME3				
16	4MT14ME027	BHARATH S RAI	4ME3				
17	4MT16ME090	N PADMESH JAIN	4ME3				
18	4MT17ME414	RAKESH C B	4ME3				

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19	4MT16ME115	RANSIL MASCARENHAS	4ME3				
20		~~VISHWAROPA RATKA~~ VELSA SAHP	~~4ME3~~ 4ME				
21	4MT15ME013	AKASH K	6ME1				
22	4MT15ME024	ASHOK	6ME1				
23	4MT16ME404	ASHRITH	6ME1				
24	4MT16ME407	BHARGAV K	6ME1				
25	4MT15ME037	DARSHAN D	6ME1				
26	4MT15ME051	HANUMAT GORL	6ME1				
27	4MT15ME094	NIKHIL JOHNSON	6ME1				
28	4MT15ME155	THABIS RAHMAN	6ME1				
29	4MT15ME015	AKHIL NARAYANAN K	6ME2				
30	4MT15ME088	MRUDUL C SAJI	6ME2				
31	4MT16ME417	RAJATH PATANKAR	6ME2				
32	4MT15ME117	RASHAD RAFEEQUE	6ME2				
33	4MT15ME118	RATHAN KUMAR NS	6ME2				
34	4MT15ME134	SHAMIL SALEEM	6ME2				
35	4MT15ME143	SIBIN S NAIR	6ME2				
36	4MT15ME149	SREEHARI P	6ME2				
37	4MT15ME150	SUHAIL T	6ME2				
38	4MT15ME159	UDAYA T	6ME2				
39	4MT15ME165	VISHAK GOVINDAN	6ME2				
40	4MT14ME144	Shaveen A Salian	8ME1				

Faculty Incharge:

Student coordinators: Sharad. B. Anchan
(4MT15ME424)

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Department of Mechanical Engineering

Date: 09/04/2018

<u>CIRCULAR</u>

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.

HOD

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

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)
Attendance report

SI No	USN	Name of the Student	16.4.2018	17.4.2018	17.4.2018	18.4.2018	19.4.2018	
1	4MT14ME007	Abhilash Jose	AB					
2	4MT14ME090	Mohana H Padmashali	Mohena	Mohena				
3	4MT13ME108	Nishad M T						
4	4MT15ME412	MALLIKARJUNA						
5	4MT15ME427	Sudhakar I Hugar	AB					
6	4MT15ME431	Vinay Kumar G M						
7	4MT11ME096	Samarth B Hegde	AB	AB				
8	4MT13ME138	Sathwik J						
9	4MT14ME139	Saurabh Shrikanth Shetty	AB	AB				
10	4MT14ME147	Shetty Shishir Sudhakar	Shetty	Shetty	Shetty			
11	4MT14ME023	Ashish J Shetty						
12	4MT13ME097	Muhammed Muqsith						
13	4MT14ME113	Prajwal						
14	4MT13ME033	Aravind M						
15	4MT14ME108	Pinto Merwin Maxim	AB	AB				
16	4MT14ME152	Srikanth Sonkar	AB	AB				
17	4MT14ME065	Kotresh B	K.B.	K.B.				
18	4MT14ME088	Mohammed Safwan	AB	AB				
19	4MT14ME035	Deepu John	AB					
20	4MT14ME079	Mohammad Bilal	AB	AB				
21	4MT14ME158	Syed Nifal	AB	AB				
22	4MT14ME118	Prathyushraj	AB	AB				
23	4MT15ME420	R Ganesh Kumar	Ganesh	Ganesh				
24	4MT14ME075	Mazhar Maharoof	AB	AB				

26	4MT14ME120	Preston Cyril Quadras						
27	4MT14ME018	Anikedh Sresh						
28	4MT14ME121	Priyag K						
29	4MT14ME174	Vishnu Rajeev						
30	4MT14ME086	Mohammed Kenz						
31	4MT14ME156	Stephin Raj						
32	4MT14ME095	Muhammed Muzain						
33	4MT14ME091	Muhammed Aadhil K S						
34	4MT14ME101	Nelson Rodrigues						
35	4MT15ME424	Sharad B Anchan						
36	4MT14ME022	Ashil Santhosh Vadakkoot						
37	4MT14ME131	Rolson Rebello						
38	4MT14ME008	Abhishek B R						
39	4MT14ME030	Daryll Paul Lewis						
40	4MT14ME150	Shreeganesh S Thantri						
41	4MT14ME132	Roshan Chetan Habbu						
42	4MT14ME094	Mohd Fazal Ismail						
43	4MT15ME417	Prajwal A Suvarna						
44	4MT14ME016	Akshay Gopinath						
45	4MT14ME034	Deepak Prakashan						
46	4MT15ME428	Surendra M						
47	4MT14ME173	Vishnu N						
48	4MT15ME415	Mohammed Mansoor Ahmed						
49	4MT14ME162	Uday S Yargambalimath						
50	4MT15ME407	Gadilingappa S						
51	4MT14ME140	Sawood Sharief S						
52	4MT14ME032	Deekshith D Hegde						
53	4MT14ME115	Prajwal P Devadiga						

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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.

HOD

Head of the Dept. of Mechanical 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**: 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

Sl 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
5	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

19	4MT14ME065	Kotresh B	kotreshb10@gmail.com	29	**76.98**
20	4MT14ME088	Mohammed Safwan	mohammedsafwan978@gmail.com	29.5	**76.59**
21	4MT14ME035	Deepu John	deepujohn04@gmail.com	30	**76.19**
22	4MT14ME079	Mohammad Bilal	Sam-bilal997@hotmail.com	30.5	**75.79**
23	4MT14ME158	Syed Nifal	Syednifal.10@gmail.com	30.5	**75.79**
24	4MT14ME118	Prathyushraj	pratoosh11@gmail.com	31.5	**75.00**
25	4MT15ME420	R Ganesh Kumar	rganeshkumar5@gmail.com	31.5	**75.00**
26	4MT14ME075	Mazhar Maharoof	maju789@gmail.com	31.5	**75.00**
27	4MT14ME082	Mohammed Anees K P	aneesgc@gmail.com	31.5	**75.00**
28	4MT14ME120	Preston Cyril Quadras	quadraspreston@gmail.com	32	**74.60**
29	4MT14ME018	Anikedh Sresh	anikedhsuresh@gmail.com	32	**74.60**
30	4MT14ME121	Priyag K	priyagkomath@gmail.com	32.5	**74.21**
31	4MT14ME174	Vishnu Rajeev	vishnurajeev830@gmail.com	33	**73.81**
32	4MT14ME086	Mohammed Kenz	Mohanmmedkenz5678@gmail.com	33	**73.81**
33	4MT14ME156	Stephin Raj	rajstephin@yahoo.com	33	**73.81**
34	4MT14ME095	Muhammed Muzain	muzain.mm@gmail.com	33.5	**73.41**
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**
38	4MT14ME022	Ashil Santhosh Vadakkoot	ashilsv08@gmail.com	35.5	**71.83**
39	4MT14AE050	UMA SHANKAR	rajushankar676@gmail.com	35.5	**71.83**
40	4MT14ME131	Rolson Rebello	rolsonr15@gmail.com	36	**71.43**
41	4MT14ME008	Abhishek B R	abhishekbr113@gmail.com	36	**71.43**
42	4MT14ME030	Daryll Paul Lewis	daryllpaullewis@gmail.com	36.5	**71.03**

43	4MT14ME150	Shreeganesh S Thantri	shreegs67@gmail.com	36.5	71.03
44	4MT14ME132	Roshan Chetan Habbu	roshanhabbu@gmail.com	37	70.63
45	4MT14ME094	Mohd Fazal Ismail	fazalismayil@gmail.com	37	70.63
46	4MT15ME417	Prajwal A Suvarna	pasuvarna727@gmail.com	37	70.63
47	4MT14MT019	GAGANDEEP K	gagandeep.n8@gmail.com	37	70.63
48	4MT14ME016	Akshay Gopinath	akshaygopinath@gmail.com	37.5	70.24
49	4MT14ME034	Deepak Prakashan	dpkprk96@gmail.com	37.5	70.24
50	4MT15ME428	Surendra M	sanilsurendra@gmail.com	37.5	70.24
51	4MT14ME173	Vishnu N	vishnuneyyath55@gmail.com	42	66.67
52	4MT15ME415	Mohammed Mansoor Ahmed	mmasakq121@gmail.com	42	66.67
53	4MT14ME162	Uday S Yargambalimath	udhaysy172@gmail.com	44.5	64.68
54	4MT15ME407	Gadilingappa S	gadilingappa369@gmail.com	45.5	63.89
55	4MT14ME140	Sawood Sharief S	sawoodsharief@gmail.com	46.5	63.10
56	4MT14ME032	Deekshith D Hegde	deekshithvenur@gmail.com	48	61.90
57	4MT14ME115	Prajwal P Devadiga	devadiga949@gmail.com	48	61.90

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Department of Information Science and Engineering

CIRCULAR

Date:15/3/2018

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

HOD, ISE

(Mr.Manjunath H)

Dept of Info Sci & Engg.
Mangalore Institute of Technology & Engineering
Badaga Mijar MOODBIDRI 574 225

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.

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.

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

Head of Department

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING

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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		
2	Afrah Akram	4MT15IS003		
3	Aksha Shetty	4MT15IS004		
4	Amogh A Rao	4MT15IS005		
5	Amrutha C T	4MT15IS006		
6	Anvitha Jain	4MT15IS009		
7	Ashish S K	4MT15IS010		
8	Chaitra	4MT15IS011		
9	Daksha T B	4MT15IS012	T. B. Daksha	T. B Daksha
10	Deeksha Umesh	4MT15IS013		
11	Dipna Nayak	4MT15IS014		
12	Disha H	4MT15IS015		
13	Divyashree Shetty	4MT15IS016		
14	Faiza Banu	4MT15IS017		
15	Godsy Ann Babu	4MT15IS018		
16	Hanna Stephen	4MT15IS020		
17	Harshitha D	4MT15IS021		
18	Jobin George	4MT15IS023		
19	K Varsha	4MT15IS024		
20	Kavya C Rao	4MT15IS026		
21	Kirana	4MT15IS027		
22	M U Narain Nanaiah	4MT15IS028		

No.	Name	USN	Signature	Signature
23	Manisha Lisha Dsilva	4MT15IS030		
24	Mohammed Ali	4MT15IS031		
25	Nirusha S Karkera	4MT15IS032		
26	Nisha Prasad	4MT15IS033		
27	Rajashree S	4MT15IS034		
28	Ramitha N V	4MT15IS036		
29	Ramyashree	4MT15IS037		
30	Sapna	4MT15IS039		
31	Shashikala I D	4MT15IS040		
32	Shashwathi K M	4MT15IS041		
33	Shetty Aishwarya Udaya	4MT15IS042		
34	Shrinidhi Shetty	4MT15IS046		
35	Shrikantha	4MT15IS048		
36	Suchithra	4MT15IS049		
37	Sumanth Kumar	4MT15IS050		
38	Sushravya H	4MT15IS051		
39	Joy Ashly DSouza	4MT16IS015		
40	Praneeth R K	4MT16IS029		

5.1.3 -ICT/Computing Skills (2016-2017)

Sl 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 Dept. of Comp. Sc. & Engg
Mangalore Institute of Technology and Engineering
Head of the Department

Event 2	Workshop on Data Analytics using Splunk
Resource Person	**Mr.Bharath Kumar,** **Lead Consultant Analytics Team,** **Wipro Technologies, Bangalore**
Date	**14-10-16**
Brief about the Talk	**About the Workshop in Brief :** Mr.Bharath Kumar, Lead Consultant Analytics 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	

Figure1. 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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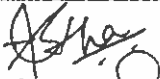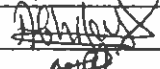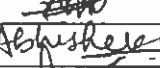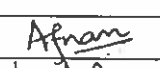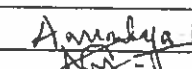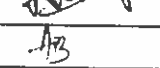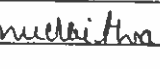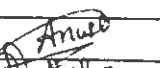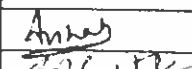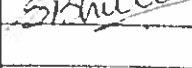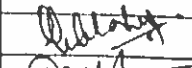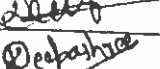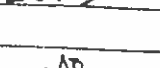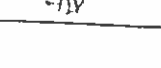
(An ISO 9001:2008 Certified Institution)

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	
2	4MT14CS003	ABHILASH	
3	4MT14CS004	ABHISHEK B	
4	4MT14CS005	ABISHEK	
5	4MT14CS007	ADITHYA HRISHIKESH	
6	4MT14CS008	ADITYA MOHAN	
7	4MT14CS009	AFNAN	
8	4MT14CS013	ALFRED JOY	
9	4MT14CS014	AMITHLAL P	
10	4MT14CS015	AMULYA P J	
11	4MT14CS017	ANJALI RAMESHAN K	
12	4MT14CS018	ANKITH D P	
13	4MT14CS019	ANUCHAITHRA	
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16	4MT14CS023	ARJUN G S	
17	4MT14CS024	ASHA	
18	4MT14CS025	AVINASH NORONHA	
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46	4MT14CS066	MUNEER U K	
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98	4MT15CS405	SHEWTHA	

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.

Head of the Dept of Comp. Sc. & Engg
Mangalore Institute of Technology & Engineering
Head of the Department

Event 4	**Workshop on**
	Internet of Things- Idea to Market Place
Resource Person	**Mr.Sudharshan,**
	Technical Leader in Automotive Security and iOS Developer,
	Intel Security(McAfee),Bangalore
Date	**17-11-16**
Brief about the Talk	About the Workshop in Brief : Mr.Sudharshan K, Technical Leader in Automotive Security and iOS Developer, Intel Security(McAfee) conducted one day workshop on "Internet of Things – 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 IoT experiments

MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING
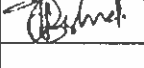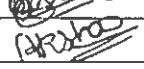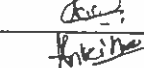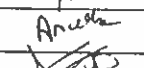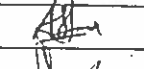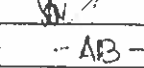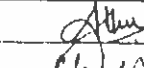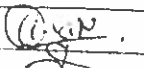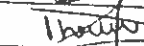
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Dept. of Computer Science & Engineering

WORKSHOP ON INTERNET OF THINGS-IDEA TO MARKET PLACE

Date:- 17.11.2016

3rd sem students

SL.NO	USN	NAME	SIGNATURE
1	4MT14CS026	AYSHA NOUREEN	
2	4MT14CS027	BASHID	
3	4MT14CS070	NIRIKSHITH SHETTY	
4	4MT15CS001	ABHIRAM K	
5	4MT15CS003	ADITYA DINESH	
6	4MT15CS005	AKHIL THOMAS	
7	4MT15CS006	AKSHATHA	
8	4MT15CS007	AKSHAY BHAT U	
9	4MT15CS008	ALOMA PATRAO	
10	4MT15CS010	ANANTHA PADMANABHA	
11	4MT15CS011	ANIL KUMAR K	
12	4MT15CS012	ANKITHA	
13	4MT15CS014	ANUSHA KARKERA	
14	4MT15CS015	ANUSHREE M	
15	4MT15CS017	ASHIKA SHETTY	
16	4MT15CS018	ASHMITH ANUP KUMAR	
17	4MT15CS019	ASHWINI V SHETTY	
18	4MT15CS021	ASWIN P P	
19	4MT15CS024	ATHUL RAVEENDRAN	
20	4MT15CS025	CHAITRA J	
21	4MT15CS026	CHETHAN R PRASAD	
. 22	4MT15CS027	CHOWTA PRITHESH BHASKAR	
23	4MT15CS028	CHOWTA PRIYESH BHASKAR	
24	4MT15CS029	CLITAN CRASTA	
25	4MT15CS030	DHANYA SHENOY	
26	4MT15CS031	DHAVAN RAO B V	
27	4MT15CS032	DHRUV A GODHANI	

28	4MT15CS033	DIPIN PRADEEP	
29	4MT15CS034	DIVYA	
30	4MT15CS035	FATHIMATHUL ZUWERIYA	
31	4MT15CS036	FAWAZ AHAMED M	
32	4MT15CS037	HARSHITH S	
33	4MT15CS038	HITHESH	
34	4MT15CS040	JERRIN RAJAN	
35	4MT15CS041	JOEL BABY	
36	4MT15CS042	JOSWY PIO BARBOZA	
37	4MT15CS043	KAPIL SHARMA	
38	4MT15CS044	KARISHMA	
39	4MT15CS045	KARTHIK NAYAK	
40	4MT15CS046	KARTHIK T V	
41	4MT15CS047	KASHYAP BHANU DAS	
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45	4MT15CS052	KUWAILA K K	
46	4MT15CS053	MAHESH N	
47	4MT15CS054	MANJUNATH GOUDAR	
48	4MT15CS055	MEGHANA PRAKASH	
49	4MT15CS058	MUHAMMED YASEEN P V	
50	4MT15CS059	NANDAKISHOR T	
51	4MT15CS060	NEHA N	
52	4MT15CS061	NIKHITHA SHETTY	
53	4MT15CS063	NITHIN SAJEEVU	
54	4MT15CS064	PATRICK MATHEW	
55	4MT15CS065	PAVITHRA KARANTHA	
56	4MT15CS066	PAYAL SHETTY	
57	4MT15CS067	PINTO ANISHA ADOLPHUS	
58	4MT15CS068	PRADEEP BHOJA NAIK	
59	4MT15CS069	PADYUMMA BHAT	
60	4MT15CS070	PRAJWAL SHETTY	
61	4MT15CS071	PRASAD S SHETTY	
62	4MT15CS072	PRATHEEKSHA P HEGDE	
63	4MT15CS073	PRATHEEKA V SHETTY	
64	4MT15CS074	PRATHIKSHA P PAI	
65	4MT15CS075	PUNEETH	
66	4MT15CS076	RACHANA U	
67	4MT15CS077	RAHUL RAJ	

68	4MT15CS078	RAKSHA B K	
69	4MT15CS079	RANJAN KUMAR	AB
70	4MT15CS080	MOOLYA RAVI RAMESH	
71	4MT15CS081	RRAYYAN ALI	
72	4MT15CS082	RENITA HERALD DSOUZA	
73	4MT15CS083	RITHIKA M R	
74	4MT15CS084	RIZWAN RAMZAN AHAMED	
75	4MT15CS085	ROCHELLE SONALI AMANNA	
76	4MT15CS087	SAIKIRAN	
77	4MT15CS088	SALIAN PRASHANT MADHAV	
78	4MT15CS090	SHEZAN SHABEER	
79	4MT15CS091	KOTIAN SHIFALI MAHESH	
80	4MT15CS093	SHREYAS V	
81	4MT15CS094	SHRINIDHI	
82	4MT15CS095	SUBHADA RAO	
83	4MT15CS096	SHWETA SHERIGAR	
84	4MT15CS098	SOORAJ K	
85	4MT15CS099	SOUJANYA	
86	4MT15CS100	SOURABH KOTTUMMAL	
87	4MT15CS101	SREERAG C T	
88	4MT15CS102	SRISHTI SHETTY	
89	4MT15CS103	SUDARSHAN SHETTY	
90	4MT15CS104	SUKETH	
91	4MT15CS105	SUPREETHA	
92	4MT15CS106	SUPRIYA C M	
93	4MT15CS107	SURESH PRABHU	
94	4MT15CS108	SUSHMITHA S S	
95	4MT15CS109	SWAPNA PAI	
96	4MT15CS111	SWATHI GANAPATHI BHAT	
97	4MT15CS112	SWETA	
98	4MT15CS113	VARSHA	
99	4MT15CS114	G Y VARUN	
100	4MT15CS115	VIJETHA S RAI	
101	4MT15CS116	VISHNU VINOD	
102	4MT15CS117	ROSHAN RAJ	
103	4MT15CS118	RUPESH POOJARY	
104	4MT15CS406	SITARA GLORIN	
105	4MT16CS400	CHANDANA D M	
106	4MT16CS402	NAGARAJ MENDEN	

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.

Head of the Dept. of Comp. Sci. & Engg.
Mangalore Institute of Technology & Engineering
Head of the Department

Event 5	Workshop on **BlockChain & HyperLedger**
Resource Person	**Mr.Bharath Kumar,** **Lead Consultant Analytics Team,** **Wipro Technologies, Bangalore**
Date	**17-02-17**
Brief about the Talk	**About the Workshop in Brief** : : Mr.Bharath Kumar, Lead Consultant Analytics Team, Wipro Technologies, Bangalore conducted one day workshop on **"BlockChain & Hyperledger "** for 6th Sem CSE students. Workshop started with an Introductory Technical Talk on Block chain and its application towards resolving the issue of e-banking charges. 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	

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

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Dept. of Computer Science & Engineering

WORKSHOP ON BLOCK CHAIN AND HYPER LEDGER

Date:- 17.02.2017

6th sem students

SL.NO	USN	NAME	SIGNATURE
1	4MT14CS002	AASTHA ANSHU BHATNAGAR	
2	4MT14CS003	ABHILASH	
3	4MT14CS004	ABHISHEK B	
4	4MT14CS005	ABISHEK	
5	4MT14CS007	ADITHYA HRISHIKESH	
6	4MT14CS008	ADITYA MOHAN	
7	4MT14CS009	AFNAN	
8	4MT14CS013	ALFRED JOY	
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98	4MT15CS405	SHEWTHA	

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.

Head of the Dept. of Comp. Sci & Engg
Head of the Department
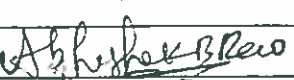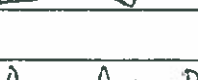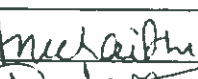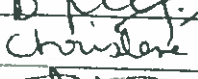
Event 7	**Workshop** **on** **WebVR- Virtual Reality**
Resource Person	**Srushtika Neelakatan,** **International Tech Speaker,** **At Mozilla**
Date	**12-04-2017**
Brief about the Talk	**About the Workshop in Brief** : Ms **Srushtika Neelakatan**, Fozilla Firefox, Bangalore conducted one day workshop on WebVR- Virtual Reality. The workshiop conducted in two session, in the morning session speaker addressed 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	
2	4MT14CS003	ABHILASH	
3	4MT14CS004	ABHISHEK B	
4	4MT14CS005	ABISHEK	
5	4MT14CS007	ADITHYA HRISHIKESH	
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29	4MT14CS045	KELVIN JOSE PINTO	
30	4MT14CS046	KRATHI KADAMBA	
31	4MT14CS047	KUDVA VIBHA VISHWANATHA	
32	4MT14CS048	LESLY MAX DSOUZA	
33	4MT14CS049	LUBEN FRANK GONSALVES	
34	4MT14CS051	MALLIKA	
35	4MT14CS052	MANASA SALIAN	
36	4MT14CS053	MANASA C	
37	4MT14CS054	MANISHA P	
38	4MT14CS055	MANOJ KUMAR K	
39	4MT14CS056	MELINA SURAMYA	
40	4MT14CS058	MOHAMMED TALIB S	
41	4MT14CS060	MONISHA G S	
42	4MT14CS061	MUDDABIR NAIKODI	
43	4MT14CS062	MOHAMMED RAMSHAD	
44	4MT14CS063	MUHAMMAD SAHMIL ABDULLA	
45	4MT14CS064	MUHAMMED RIAZ	
46	4MT14CS066	MUNEER U K	
47	4MT14CS068	NAGARAJA SHENOY	
48	4MT14CS069	NIHAL N HEGDE	
49	4MT14CS071	NIVYABABU	
50	4MT14CS072	POOJA P NAYAK	
51	4MT14CS073	PRAJNA SHETTY	
52	4MT14CS074	PRAJWAL P SHETTY	
53	4MT14CS075	PRAJWAL SAMUEL MACHADO	
54	4MT14CS076	PRAJWAL SHETTY	
55	4MT14CS077	PRATHIMA	
56	4MT14CS078	PRATHVIRAJ D KANCHAN	
57	4MT14CS079	PRAVEEN S HUNASEENARAD	
58	4MT14CS080	PRIYANKA K P	
59	4MT14CS081	RACHANA V R	
60	4MT14CS082	RAKSHITHA R	
61	4MT14CS083	RAKSHITHA V	
62	4MT14CS084	RESHALI SHETTY K	
63	4MT14CS085	REYNOLA M LOBO	

64	4MT14CS086	RITHESH	
65	4MT14CS087	RIYONA LAVITA DSOUZA	
66	4MT14CS089	S GAUTHAMI MALLYA	
67	4MT14CS090	SAHANA THANTRI	
68	4MT14CS091	SANJANA RAI	
69	4MT14CS092	SHAHANAF S	
70	4MT14CS094	SHIBILY ABDUL SHUKOOR	
71	4MT14CS096	SHIJI ABRAHAM	
72	4MT14CS097	SHIVANI	
73	4MT14CS098	SHREELAKSHMI SHERIGAR	
74	4MT14CS099	SHRINIDHI	
75	4MT14CS100	SONAL NISHA DMELLO	
76	4MT14CS101	SOUJANYA SHETTY J	
77	4MT14CS103	SOWMYA	
78	4MT14CS104	SREERAJ M	
79	4MT14CS105	SREERAM K	
80	4MT14CS106	SRISHAANI SHETTY	
81	4MT14CS107	SUPRIYA KAMATH	
82	4MT14CS108	SHETTY SURAKSHA SUKUMAR	
83	4MT14CS109	SUSHMA T S	
84	4MT14CS110	SUSHMITHA	
85	4MT14CS111	SUSHMITHA J K	
86	4MT14CS112	SWATHI S G	
87	4MT14CS113	SYED MOHAMMED REDHAN KAMAL	
88	4MT14CS114	TRUPTHI D	
89	4MT14CS115	TUSHAR VINOD PODUVAL	
90	4MT14CS116	VARUN N	
91	4MT14CS117	VARUNA M	
92	4MT14CS118	VIDYAMANI K C	
93	4MT14CS119	VIGNESH SHANKAR SHETTY	
94	4MT15CS400	CHAITRA N	
95	4MT15CS401	GAUTHAMI NAYAK	
96	4MT15CS402	SATHVIK SHETTY MN	
97	4MT15CS404	SHRINIDHI	
98	4MT15CS405	SHEWTHA	

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 Dept of Comp Sci & Engg
Mangalore Institute of Technology & Engineering
Badaga Moodbidri

Head of the Department

Event 10	Workshop on HTML 5
Resource Person	Mr.Prashant B.S, Dept of CSE, MITE
Date	23-05-17
Brief about the Talk	**About the Workshop in Brief :** Mr. **Prashant B.S, Assistant Professor, Dept of CSE, MITE** conducted one day workshop on HTML 5 and CSS 3. The workshop is conducted in two sessions, in the morning session speaker addressed about the 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
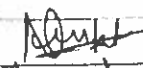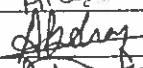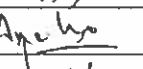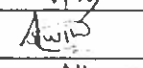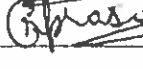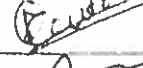
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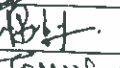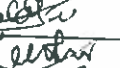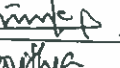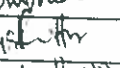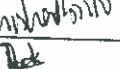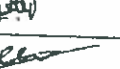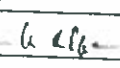
Dept. of Computer Science & Engineering

WORKSHOP ON HTML 5

Date:- 23.05.2017

4th sem students

SL.NO	USN	NAME	SIGNATURE
1	4MT14CS026	AYSHA NOUREEN	
2	4MT14CS027	BASHID	
3	4MT14CS070	NIRIKSHITH SHETTY	
4	4MT15CS001	ABHIRAM K	
5	4MT15CS003	ADITYA DINESH	
6	4MT15CS005	AKHIL THOMAS	
7	4MT15CS006	AKSHATHA	
8	4MT15CS007	AKSHAY BHAT U	
9	4MT15CS008	ALOMA PATRAO	
10	4MT15CS010	ANANTHA PADMANABHA	
11	4MT15CS011	ANIL KUMAR K	
12	4MT15CS012	ANKITHA	
13	4MT15CS014	ANUSHA KARKERA	
14	4MT15CS015	ANUSHREE M	
15	4MT15CS017	ASHIKA SHETTY	
16	4MT15CS018	ASHMITH ANUP KUMAR	
17	4MT15CS019	ASHWINI V SHETTY	
18	4MT15CS021	ASWIN P P	
19	4MT15CS024	ATHUL RAVEENDRAN	
20	4MT15CS025	CHAITRA J	
21	4MT15CS026	CHETHAN R PRASAD	
22	4MT15CS027	CHOWTA PRITHESH BHASKAR	
23	4MT15CS028	CHOWTA PRIYESH BHASKAR	
24	4MT15CS029	CLITAN CRASTA	
25	4MT15CS030	DHANYA SHENOY	
26	4MT15CS031	DHAVAN RAO B V	
27	4MT15CS032	DHRUV A GODHANI	

28	4MT15CS033	DIPIN PRADEEP	
29	4MT15CS034	DIVYA	
30	4MT15CS035	FATHIMATHUL ZUWERIYA	
31	4MT15CS036	FAWAZ AHAMED M	
32	4MT15CS037	HARSHITH S	
33	4MT15CS038	HITHESH	
34	4MT15CS040	JERRIN RAJAN	
35	4MT15CS041	JOEL BABY	
36	4MT15CS042	JOSWY PIO BARBOZA	
37	4MT15CS043	KAPIL SHARMA	
38	4MT15CS044	KARISHMA	
39	4MT15CS045	KARTHIK NAYAK	
40	4MT15CS046	KARTHIK T V	
41	4MT15CS047	KASHYAP BHANU DAS	
42	4MT15CS048	KAVEESH SHETTY	
43	4MT15CS049	KEERTHI	
44	4MT15CS051	KRISHNAMOORTHY	
45	4MT15CS052	KUWAILA K K	
46	4MT15CS053	MAHESH N	
47	4MT15CS054	MANJUNATH GOUDAR	M. S. Goudar
48	4MT15CS055	MEGHANA PRAKASH	
49	4MT15CS058	MUHAMMED YASEEN P V	
50	4MT15CS059	NANDAKISHOR T	
51	4MT15CS060	NEHA N	
52	4MT15CS061	NIKHITHA SHETTY	
53	4MT15CS063	NITHIN SAJEEVU	
54	4MT15CS064	PATRICK MATHEW	
55	4MT15CS065	PAVITHRA KARANTHA	
56	4MT15CS066	PAYAL SHETTY	
57	4MT15CS067	PINTO ANISHA ADOLPHUS	
58	4MT15CS068	PRADEEP BHOJA NAIK	
59	4MT15CS069	PADYUMMA BHAT	
60	4MT15CS070	PRAJWAL SHETTY	
61	4MT15CS071	PRASAD S SHETTY	
62	4MT15CS072	PRATHEEKSHA P HEGDE	
63	4MT15CS073	PRATHEEKA V SHETTY	
64	4MT15CS074	PRATHIKSHA P PAI	
65	4MT15CS075	PUNEETH	
66	4MT15CS076	RACHANA U	
67	4MT15CS077	RAHUL RAJ	

68	4MT15CS078	RAKSHA B K	
69	4MT15CS079	RANJAN KUMAR	
70	4MT15CS080	MOOLYA RAVI RAMESH	
71	4MT15CS081	RRAYYAN ALI	
72	4MT15CS082	RENITA HERALD DSOUZA	
73	4MT15CS083	RITHIKA M R	
74	4MT15CS084	RIZWAN RAMZAN AHAMED	
75	4MT15CS085	ROCHELLE SONALI AMANNA	
76	4MT15CS087	SAIKIRAN	
77	4MT15CS088	SALIAN PRASHANT MADHAV	
78	4MT15CS090	SHEZAN SHABEER	
79	4MT15CS091	KOTIAN SHIFALI MAHESH	
80	4MT15CS093	SHREYAS V	
81	4MT15CS094	SHRINIDHI	
82	4MT15CS095	SUBHADA RAO	Shubhada Rao
83	4MT15CS096	SHWETA SHERIGAR	
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87	4MT15CS101	SREERAG C T	
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93	4MT15CS107	SURESH PRABHU	
94	4MT15CS108	SUSHMITHA S S	
95	4MT15CS109	SWAPNA PAI	
96	4MT15CS111	SWATHI GANAPATHI BHAT	
97	4MT15CS112	SWETA	
98	4MT15CS113	VARSHA	
99	4MT15CS114	G Y VARUN	
100	4MT15CS115	VIJETHA S RAI	
101	4MT15CS116	VISHNU VINOD	
102	4MT15CS117	ROSHAN RAJ	
103	4MT15CS118	RUPESH POOJARY	
104	4MT15CS406	SITARA GLORIN	
105	4MT16CS400	CHANDANA D M	
106	4MT16CS402	NAGARAJ MENDEN	

23-5-17

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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.

HoD

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

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.

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.

Date: 12/8/2018

Sl No	USN	Name	Signature of Student
1	4MT14EC015	Ananya Y Alva	
2	4MT14EC016	Anisha J Ferrads	
3	4MT14EC042	Erlsina Rodrigues	
4	4MT14EC031	Kinal Byas	
5	4MT14EC023	Arshalatha	
6	4MT14EC009	Achaya Nath Sinp	
7	4MT14EC020	Apoorva T S	
8	4MT14EC080	PREETHI SANTOSH	
9	4MT14EC006		
10	4MT14EC100	Shruddha	
11	4MT14EC057	PEEKSHA N Y	
12	4MT14EC079	Sapna Shetty	
13	4MT14EC088	Rachana L	
14	4MT14EC080	PRAKRUTH G RAI	
15	4MT14EC103	SUBHASHREE JAIN	
16	4MT14EC107	Supna	
17	4MT14EC011	Tooja	
18	4MT14EC	Nanthalya	
19	4MT14EC054	Louina Jennifa Nazi	
20	4MT14EC035	Deeksha R Kuni	
21	4MT14EC021	Arghya Sen	
22	4MT14EC	Nashmin Nassla	
23	4MT14EC063	Neha B	
24	4MT14EC006	Afrok Mohamud	
25	4MT14EC001	Abdul Bazeran	
26	4MT14EC094	Kamanan Savi Chiba	
27	4MT14EC015	Anisha Shanks	
28	4MT14EC049	Jain Jireh Vijn	

Sl. No.	URN	Name	Signature
29	4MT14EC078	Pradyumna Laxpati	
30	4MT14EC082	Prashantha	
31	4MT14EC083	Pralcek Gondhu	
32	4MT14EC094	Shamith Kumar	
33	4MT14EC095	Sheikh	
34	4MT14EC098	Mohammed Faris	
35	4MT14EC007	Adithya M	
36	4MT14EC043	Ganesh Nayak	
37	4MT14EC040	Abhyudaya	
38	4MT15EC407	Karthik Mallya	
39	4MT14EC107	Suhas	
40	4MT14EC115	Vidya Sugan	
41	4MT14EC117	Premal	
42	4MT14EC116	Vishnu Prasad	
43	4MT14EC106	Sudarshan	
44	4MT15EC401	Anith P	
45	4MT14EC001	Abhilash S Bal	
46	4MT14EC081	Chrnal Lobo	
47	4MT14EC093	S K Aksha	
48	4MT14EC099	Shein Shefani	
49	4MT14EC111	Venkatesh Nayak	
50	4MT14EC102	Sinan S Kosai	

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Department of Information Science and Engineering

Date: 8/Nov/2016

<u>CIRCULAR</u>

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 MOODBIDRI - 574 225

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Badaga Mijar, Moodbidri-574225

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

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.

Head of HOD, ISE
Mangalore Institute of Technology & Engineering
Badaga Mijar, MOODBIDRI - 574 225
(Mr. Manjunath H)

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Department of Information Science and Engineering

Attendance for two days workshop on Java and Advanced Java

S.No	USN No.	Name	15-Nov-16	16-Nov-16
1	4MT14IS001	ABHISHEK K KOTIAN	✓	✓
2	4MT14IS002	AJAY CHAKRADHAR	✓	X
3	4MT14IS003	AKSHATHA	✓	✓
4	4MT14IS005	ANNET JACKLIN PETER	✓	✓
5	4MT14IS006	ASHISH KUMAR M	✓	✓
6	4MT14IS007	ASHISH TAURO	X	X
7	4MT14IS009	BELCHADA VIDYASHREE KARUNAKAR	✓	✓
8	4MT14IS011	DEEKSHA MARTINA LASRADO	✓	✓
9	4MT14IS013	FATHANA NOUSHEEN	✓	✓
10	4MT14IS014	HARSHITHA SHET	✓	X
11	4MT14IS015	K ABHISHEK	✓	X
12	4MT14IS016	KUNDAR SHRADDHA RAJU RADHA	✓	✓
13	4MT14IS017	L.GEETHA	X	✓
14	4MT14IS018	LAXMI DEVARANJAN	✓	✓
15	4MT14IS019	LENISHA JOSNA GONSALVIS	✓	✓
16	4MT14IS020	MOHAMMAD MUKHTAR	✓	✓
17	4MT14IS021	MAITHRI	✓	✓
18	4MT14IS022	MANEESH KUMAR	✓	✓
19	4MT14IS026	NAYANA	✓	✓
20	4MT14IS028	NIKITHA ZIPPORAH MISQUITH	✓	✓
21	4MT14IS029	NISHITA SHETTY	✓	✓
22	4MT14IS030	PETER JOHN JOSE	X	✓
23	4MT14IS031	PRADNYA D.ACHARI	✓	✓
24	4MT14IS032	PRANAV S HEGDE	✓	✓
25	4MT14IS033	PRANAY RAGHURAM SHETTY	X	X
26	4MT14IS034	PRATHIKSHA	✓	✓
27	4MT14IS035	PRATHIKSHA R	✓	✓
28	4MT14IS036	RANJITH NAIK	✓	✓
29	4MT14IS037	RAVI RAJ	✓	✓
30	4MT14IS038	RITHU PATIL P	✓	✓
31	4MT14IS039	SANJANA S	✓	✓
32	4MT14IS040	SAROJINI	✓	✓
33	4MT14IS041	SAUGAT ROKAYA	X	✓
34	4MT14IS043	SHARANYA SHETTY	✓	✓
35	4MT14IS045	SHEIRISH SAYED	✓	X
36	4MT14IS047	SIMRAN	✓	✓

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Department of Information Science and Engineering

Attendance for two days workshop on Java and Advanced Java

37	4MT14IS048	STEFNEY DSOUZA	✓	✓
38	4MT14IS049	SUDARASHAN	✓	✓
39	4MT14IS050	SUMANGALA	✓	✓
40	4MT14IS051	VICTORIA MARIA MASCARENHAS	✓	✗
41	4MT14IS052	VIGNESH G UDUPI	✓	✓
42	4MT14IS053	ZAINAB SHALOOLA	✓	✓
43	4MT13IS053	YAJNESH	✓	✗
44	4MT13IS054	ZENHAL ANEEZ	✗	✗
45	4MT12IS052	K.H.MANSUR	✓	✗

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Department of Mechanical Engineering

Date: 12/09/2016

<u>CIRCULAR</u>

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.

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

MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING

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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

7. **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

USN	Name	Final Grade (Curved) 100
4MT12ME023	Azim Ashraf Husanwale	83%
4MT13ME005	ABHIMANUK	83%
4MT13ME054	DEEPAK J.SALIAN	81%
4MT13ME045	ATHUL E P	80%
4MT13ME032	ANVITH PRAKASH S	78%
4MT13ME055	DENSON MATHIAS	78%
4MT13ME073	JOHNS B MANKIDY	78%
4MT12ME111	Sulakshan	77%
4MT13ME001	AASHISH RAO	76%
4MT13ME017	AFREEN HAMEED	75%
4MT13ME011	ADARSH	74%
4MT13ME020	AKHIL AJIT AMIN	74%
4MT13ME014	ADESH D HEGDE	72%
4MT13ME071	JOEL RAKSHITH ALBERT	72%
4MT13ME025	AKSHAY.M.A	71%
4MT13ME053	DEEPAK K	68%
4MT13ME028	ALBERT JOHN AMPOTTY	67%
4MT13ME037	ARUN NAYAK	63%
4MT13ME066	HARISHA	63%
4MT13ME076	K.ATHUL	62%
4MT13ME018	AHAMED ASVAD T A	62%
4MT13ME009	ABHISHEK R	59%
4MT13ME023	AKSHAY BIN	59%
4MT13ME067	HARSHAVARDHANA V	59%
4MT13ME064	HARISH M	58%
4MT13ME041	ASHLY PINTO	57%
4MT13ME051	DIS SWASTHIK	57%
4MT13ME057	DHANUSH R RAI	56%
4MT13ME019	AHAMED BILAL A.K	54%
4MT13ME024	AKSHAY RAJ.K	53%
4MT13ME010	ADANAN AHMED	50%
4MT13ME013	ALOK NAMBIAR	did not submit exam
4MT13ME072	JOEL VEIGAS	did not submit exam
	Average	68%
	Min	50%
	Max	83%
	Std	10%

Pass

A

Fail
Fail

Exam folded
No name found in the original list
Not submitted
Need ask for full name

Overall Statistics	Final Grade (Curved)
Average	68%
Min	50%
Max	90%
Std	9%

7M12		Final Grade (Curved)
USN	Name	100
4MT13ME116	PRAKYATH R SALIAN	90%
4MT13ME078	KIRAN JAGADEESH	81%
4MT13ME094	MOHAMMED SAIF	81%
4MT13ME110	NITHIN ALI T	81%
4MT11ME068	Nikhil Krishna C	80%
4MT13ME113	PAVAN KUMAR	79%
4MT13ME124	RAKSHITH GOWDA K	78%
4MT13ME128	REZA MUHAMMED T Z	78%
4MT13ME101	N M NIRUSH PONNAPPA	77%
4MT13ME135	SAHAJ J P	77%
4MT13ME136	SALIAN MILAN UMESH	77%
4MT13ME142	SHARAFATH SHAHSU VP	76%
4MT13ME104	NANDAKUMAR	75%
4MT13ME085	MITHIN KUMAR SHETTY	74%
4MT13ME139	SAURABH SATISH SHETTY	74%
4MT13ME090	MOHAMMED ARFAN KHAN	72%
4MT13ME129	ROYSON DEEPAK FERNAND	72%
4MT13ME134	SAGAR SHETTY	72%
4MT13ME087	Mohammad safeeq A	71%
4MT13ME103	NANDA KISHOR	71%
4MT13ME149	SHRAVAN KUMAR	71%
4MT13ME081	MAHSHOOQ.K-Y	71%
4MT13ME119	PRASHANTH	71%
4MT13ME132	SACHIN EDAYATH	70%
4MT13ME079	KIRAN M SHETTY	69%
4MT13ME082	MANJUNATH NAKKUNDI	69%
4MT10ME060	Mohammed Suhel Hanif	68%
4MT13ME093	MOHAMMED OMAR MUKTH	66%
4MT13ME089	MOHAMMED AJMAL K	66%
4MT13ME112	PALASH GUNAPAL BANGER	66%
4MT13ME140	SAURABH SHETTY U	66%
4MT13ME141	SAYUJ VIJAYAN T	66%
4MT13ME086	MITHULESH MOHAN KUMAR	65%
4MT13ME118	PRASANNA SHETTY	64%
4MT13ME084	MATHEWS RAJU	63%
4MT13ME092	MOHAMMED LAEES	63%
4MT13ME120	PUNIT S MADLI	63%
4MT13ME126	RANJITH RAGHAVENDRA NA	63%
4MT13ME117	PRAMOD KUMAR	62%
4MT13ME131	SACHIN DAS C.K	62%
4MT13ME095	MOHAMMED SUHAIL	56%
4MT13ME088	MOHAMMAD YANIF. M	54%
4MT13ME144	SHEHIN SEKEER.K.V	54%
4MT13ME114	PAVAN NIL	53%
4MT13ME402	Athmik Kalyanpur	51%
	Average	69%
	Min	51%
	Max	90%
	Std	8%

7ME3

USN	Name	Final Grade (Curved) 100	
4MT13ME159	SUMANTH	84%	Pass
4mt13me155	SREENIVEDE ANIL KUMAR	82%	Pass
4MT13ME167	TIPPLIKAD RAGUL RAMESH	75%	Pass
4mt11mE036	Gracewin Titu Titus	70%	Pass
4MT13ME160	SUNNY MELROY D SILVA	65%	Pass
4MT14ME419	RANJITH PATIL T	60%	Pass
4MT14ME420	RAVI M S	60%	Pass
4MT14ME425	SUSHANTH B K	60%	Pass
4MT14ME411	KARTHIK R	59%	Pass
4MT14ME412	KIRANKUMAR C BANAKAR	59%	Pass
4MT13ME156	SREERAJ P V	56%	Pass
4MT12ME125	ZAHID JAFFER	55%	Pass
4MT13ME162	SUSHANTH S KOTIAN	53%	Pass
4MT14ME423	SRINIDHI UPADHYAYA K	53%	Pass
4MT14ME424	SUNIL R	52%	Pass
4MT14ME417	PRAVEENAKUMAR RK	51%	Pass
4MT14ME432	VRASHABHANATHA	50%	Pass
4MT14ME414	NITHIN KUMAR	did not submit exam	Fail
4MT13ME414	SANJEEVKUMAR.N.BELAVAUI	61%	Pass
	Average	61%	
	Min	50%	
	Max	84%	

5.1.3-ICT/Computing Skills (2015-2016)

Sl 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

      EMC^2(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

Head of the Dept. (Computer Science & Engg)
Mangalore Institute of Technology & Engineering
225

Event 2	**Technical talk on** **OpenStack-A Framework for Cloud Computing**
Resource Person	**Mr.Ranjith Kumar N,** **Principle Software Engineer,** **EMC^2 Pvt. Ltd. Bangalore**
Date	**16-09-15**
Brief about the Talk	CORE(Computer Organization of Resourceful Engineers) – students association of Department of Computer Science & Engineering, Mangalore Institute of 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
Photos	 Figure 1.Inagural session of technical talk

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

7th sem students

SL.NO	USN	NAME	SIGNATURE
1	4MT10CS023	BRIJESH ACHARYA	
2	4MT10CS043	LESTEN ALBERT	
3	4MT10CS116	VINIT SHETTY	
4	4MT10CS111	SHETTY TEJAS	
5	4MT11CS035	JAEFFRRY JOSEPH	
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12	4MT12CS004	ACHARYA KIRAN UMESH	
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14	4MT12CS007	AJAY SHENOY R	
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17	4MT12CS011	AKSHAYKUMAR JAGANNATH NALAVADE	
18	4MT12CS013	ANANYA J	
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28	4MT12CS026	ATMIKA ARVIND	
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86	4MT12CS098	SHIJIL KUMAR	
87	4MT12CS099	SHIVANI	
88	4MT12CS100	SHREYA HEGDE	
89	4MT12CS101	SHRINIVAS KAMATH	
90	4MT12CS102	SHRUTHI	
91	4MT12CS105	SOUMYASHREE H	
92	4MT12CS108	SUSHANTH PRABHU	
93	4MT12CS109	SUVITH DSOUZA	
94	4MT12CS111	SWATHI SHARMA	
95	4MT12CS112	TEJASWI SHETTY M	
96	4MT12CS114	U NEHA KAMATH	
97	4MT12CS115	VARUN KAMATH	
98	4MT12CS116	VIDYALAKSHMI P	
99	4MT12CS118	ZUMAN ASHIYA	
100	4MT12CS119	CAREN JOSNA FERNANDES	
101	4MT12CS407	SANDEEP J	
102	4MT12CS410	HAFIS MOHAMMED	

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 e Person	**Mr.Vigneshwaran,**
	Application Engineer,
	Trident Techlabs, Bangalore
Date	**30-03-16**
Brief about the Talk	**About the Workshop in Brief :** Mr.Vighneshwaran, Application Engineer, Trident Technologies, Bangalore conducted one day workshop on "MSP430 Micro 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
Photos	

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

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Dept. of Computer Science & Engineering

WORKSHOP ON MSP430 &IoT

Date:- 30.03.2016

8th sem students

SL.NO	USN	NAME	SIGNATURE
1	4MT10CS023	BRIJESH ACHARYA	
2	4MT10CS043	LESTEN ALBERT	
3	4MT10CS116	VINIT SHETTY	
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73	4MT12CS084	REJISHMA K P	
74	4MT12CS085	RIJIN BABY	Absent
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80	4MT12CS092	SANNIDHI M SHETTY	Sannidhi
81	4MT12CS093	SARA ABDUL WAJID	
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83	4MT12CS095	SHEIK MISHAN SHA	Absent
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Department of Information Science and Engineering
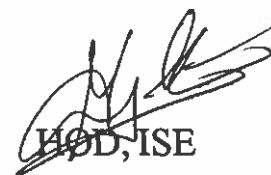
Date: 22/9/2015

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

HOD, ISE

(Mr.Manjunath H)

Dept. of Info Sci & Engg.
Mangalore Institute of Technology & Engineering
Badaga Mijar. MOODBIDRI 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

➤ **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 Dept. of Info. Sci. & Engg.
Mangalore Institute of Technology & Engineering
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Head of Department

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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	P
2	4MT12IS002	Akshay S	P	P
3	4MT12IS004	Anusha Pai	P	P
4	4MT12IS005	Bhuvana Cariappa N	P	P
5	4MT12IS006	Bindu B	P	P
6	4MT12IS007	Deeksha Marla J	P	P
7	4MT12IS008	Deeksha Sakalkar	P	P
8	4MT12IS009	Deeksha V Salian	P	P
9	4MT12IS010	Disha	P	A
10	4MT12IS011	Fiona Joshna Pereira	A	A
11	4MT12IS012	Irol Andrea D'souza	P	P
12	4MT12IS013	Josna K	P	P
14	4MT12IS015	Kashyap Rai K	P	A
15	4MT12IS016	M Rashmi	A	P
16	4MT12IS018	Mahaboob P V	A	A
17	4MT12IS019	Maharoof K	P	P
18	4MT12IS020	Majumdar Sushmita Jayanta	P	P
20	4MT12IS022	Navyashree	P	A
21	4MT12IS023	Nehal Shobitha Y	P	P
22	4MT12IS024	Nidhi S Shetty	P	P
23	4MT12IS025	Omshree Shetty	P	A
24	4MT12IS026	Pawan S Jogi	A	P
25	4MT12IS027	Pooja K	P	P
26	4MT12IS028	Prathiksha Prakash	P	P
27	4MT12IS029	Praveen Jogi	P	A
28	4MT12IS030	Priyadarshini	P	P
29	4MT12IS031	Rachitha Shetty	P	A
30	4MT12IS032	Raksha Mallya	P	P
31	4MT12IS033	Rashmi	A	A
33	4MT12IS035	S Puneeth Rao	P	P
34	4MT12IS036	Sameeksha Shetty	P	P
35	4MT12IS037	Shanthi D"silva	P	A
36	4MT12IS038	Sharath P shetty	A	P
37	4MT12IS039	Shauny Machado	P	P

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Department of Information Science and Engineering

Attendance for two days workshop on Web Application Development

38	4MT12IS040	Shetty Namratha Udaya	P	A
39	4MT12IS041	Shetty Shweta Suresh	P	P
40	4MT12IS042	Shetty Swarna Jayaram	P	P
41	4MT12IS044	Shivani Naveen	A	A
42	4MT12IS045	Spoorthy Gowda	P	P
43	4MT12IS046	Poojary Sushant Shankar	P	A
44	4MT12IS047	Sushma	P	P
45	4MT12IS048	Thaha	A	P
46	4MT12IS049	Varsha	P	P
47	4MT12IS050	Vibha	A	A
48	4MT12IS051	Vidyashree	P	P
49	4MT11IS013	Kishore	A	A