



**CHILDREN'S EDUCATION SOCIETY (Regd.)
THE OXFORD COLLEGE OF ENGINEERING**

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.
Approved by A.I.C.T.E. New Delhi.

Recognised by UGC Under Section 2(f)
Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

**Professional development /administrative training programs organized by the institution for
TEACHING staff**

2022-2023		
Dates(from-to)(DD-MM-YYYY)	List of professional development / administrative training programmes conducted for non-teaching/technical staff	No of Participants
15-05-22 to 27-05-22	Robotics and Automation	12
16-08-22 to 29-08-22	Pedagogical Approaches on Effective Teaching with LMS	30
14-11-22 to 26-11-22	Advancements in Artificial Intelligents and Machine Learning	15
02-02-23 to 03-02-23	"Robo Flagship Product Development for Better Innovation Opportunities	18
09-03-23 to 10-03-23	Innovation Opportunities through AI-Computer Vision and Image Processing using Python	20
23-03-2023	Business Model Canvas for Social Media	22
31-03-23 & 03-04-23	Innovation and Design Thinking Opportunities in the Field of Electrical Design and Drafting	21
17-04-23 to 03-05-23	Recent Trends in Electrical & Electronics Engineering	31
04-05-23	Incubation & Startup opportunities- The Business Management Ecosystem Powering Laundromats & Drycleaners Dhobi G	13
30-05-2023	Quantum Technologies and Cyber Security: Impacts and Solutions	18
30-06-23 to 01-07-23	Design Thinking Opportunities in Machine Drawing and GD & T using Fusion 360	25


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**Professional development /administrative training programs organized by the institution for
NON-TEACHING/ TECHNICAL staff**

2022-2023		
Dates(from-to)(DD-MM-YYYY)	List of professional development / administrative training programmes conducted for non-teaching/ technical staff	No of Participants
23-11-2022	Stress Management	22
05-05-2023	Time Management: A Key to Productivity and Success	22
29-05-2023	Advanced Typing Skills	20

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CHILDREN'S EDUCATION SOCIETY (Regd.)

THE OXFORD COLLEGE OF ENGINEERING

DEPARTMENT OF MECHATRONICS

(Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.

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Date: 11-05-2022

CIRCULAR

This is to inform you that the department of Mechatronics Engineering and Mechanical Engineering are organizing a **Two week Workshop on "Robotics and Automation"** from 15/05/2022 to 27/05/2022 All the faculty members are informed to attend the workshop and make the best use of it.

G. P. R. R.

PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560 068

C. P. R.
HOD

Prof. & HOD
Department of Mechatronics
The Oxford College Of Engineering
Bommanahalli, Bangalore - 560 068.

2 Weeks FDP on “Robotics and Automation”



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Department of Mechatronics Engineering & Mechanical Engineering

Chief Patron

Sri S.N.V.L.Narasimha Raju
Chairman

The Oxford Group of Institutions

Patron

Dr. N. Kannan

Principal

The Oxford College of Engineering

Convener

Dr. Manjula C

Associate Professor & HOD
Mechatronics Engineering

Co-Convener

Dr. Madhusudana Reddy

Professor & HOD
Mechanical Engineering

Organizing 2 Weeks FDP on

Robotics and Automation

15/5/2022 to 27/5/2022 10 AM to 5 PM

Resource Persons

Mr.Nandhagopal

Application Engineer

DIFACTO ROBOTICS AND AUTOMATION

Mr. Md Tippu

Application Engineer

DIFACTO ROBOTICS AND AUTOMATION

Mr. Anas Pasha

Junior Engineer

DIFACTO ROBOTICS AND AUTOMATION

Faculty Member

Mr.Jaideep R

Asst.Professor

Department of Mechatronics
Engineering

Faculty Member

Mr.Anup Upadhayaya

Asst.Professor

Department of Mechanical
Engineering

Schedule with Resource person

Schedule of the FDP

Week 1

Day/dates	Session	Resource person	content
Day 1 15/5/2022	FN	Mr. Nandhagopal Application Engineer	Welcome Speech Introduction To Robotics And Automation
	AN	Mr. Tippu Application Engineer	Basics Of Robotics (Jogging Operations) J1 To J3 (Linear Movements)
Day 2 16/5/2022	FN	Mr. Nandhagopal Application Engineer	Basics Of Robotics (Jogging Operations) J1 To J6 (Rotary Movements)
	AN	Mr. Tippu Application Engineer	Hands On Jogging Operations
Day 3 17/5/2022	FN	Mr. Nandhagopal Application Engineer	Explanation Of Program
	AN	Mr. Tippu Application Engineer	Explanation Of Program
Day 4 18/5/2022	FN	Mr. Nandhagopal Application Engineer	Entering The Program In Teach Pendent.
	AN	Mr. Tippu Application Engineer	Entering The Program In Teach Pendent.
Day 5 19/5/2022	FN	Mr. Anas Pasha junior Engineer	Saving, Running And Executing
	AN	Mr. Tippu Application Engineer	Debugging Of Programme
Day 6 20/5/2022	FN	Mr. Anas Pasha junior Engineer	Understanding The Concepts And Performing Small Operations.
	AN	Mr. Tippu Application Engineer	Understanding The Concepts And Performing Small Operations.

Week 2

Day/dates	Session	Resource person	<u>content</u>
Day 1 22/5/2022	FN	Mr. Anas Pasha junior Engineer	Performing Hands Operations
	AN	Mr. Tippu Application Engineer	Box Operation Triangular Operation
Day 2 23/5/2022	FN	Mr. Anas Pasha junior Engineer	Box Operation Triangular Operation
	AN	Mr. Tippu Application Engineer	Box Operation Triangular Operation
Day 3 24/5/2022	FN	Mr. Anas Pasha junior Engineer	Cuboid Operation Two Layer Cuboid Operation
	AN	Mr. Tippu Application Engineer	Cuboid Operation Two Layer Cuboid Operation
Day 4 25/5/2022	FN	Mr. Nandhagopal Application Engineer	Two Layer Triangular Operation Cuboid Operation
	AN	_Mr. Anas Pasha junior Engineer	Two Layer Triangular Operation Cuboid Operation
Day 5 26/5/2022	FN	Mr. Nandhagopal Application Engineer	Two Layer Triangular Operation Cuboid Operation
	AN	_Mr. Anas Pasha junior	Two Layer Triangular
		Engineer	Operation Cuboid Operation
Day 6 27/5/2022	FN	Mr. Nandhagopal Application Engineer	Automation Using The Performed Operations
	AN	_Mr. Anas Pasha junior Engineer	Doubt Clarifications Thanks Giving.

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DEPARTMENT OF MECHATRONICS ENGINEERING

2 Weeks FDP on "Robotics and Automation"



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Department of Mechatronics Engineering & Mechanical Engineering

<p>Chief Patron Sri S.N.V.L Narasimha Raju Chairman The Oxford Group of Institutions</p>	<p>Organizing 2 Weeks FDP on Robotics and Automation 15/5/2022 to 27/5/2022 10 AM to 5 PM</p>	<p>Faculty Member Mr.Jaideep R Asst.Professor Department of Mechatronics Engineering</p>
<p>Patron Dr. N. Kannan Principal The Oxford College of Engineering</p>	<p>Resource Persons Mr.Nandhagopal Application Engineer DIFACTO ROBOTICS AND AUTOMATION Mr. Md Tippu Application Engineer DIFACTO ROBOTICS AND AUTOMATION Mr. Anas Pasha Junior Engineer DIFACTO ROBOTICS AND AUTOMATION</p>	<p>Faculty Member Mr.Anup Upadhayaya Asst.Professor Department of Mechanical Engineering</p>
<p>Convener Dr. Manjula C Associate Professor & HOD Mechatronics Engineering</p>		
<p>Co-Convener Dr. Madhusudana Reddy Professor & HOD Mechanical Engineering</p>		

Department of **Mechatronics Engineering & Mechanical Engineering** The Oxford college of Engineering, Bangalore organized 2 weeks FDP on "**Robotics and Automation**".

Robotics is a branch of engineering that involves the conception, design, manufacture and operation of robots. The objective of the robotics field is to create intelligent machines that can assist humans in a variety of ways. Robotics can take on a number of forms.

Schedule of the FDP

Week 1

Day/dates	Session	Resource person	content
Day 1 15/5/2022	FN	Mr. Nandhagopal Application Engineer	Welcome Speech Introduction To Robotics And Automation
	AN	Mr. Tippu Application Engineer	Basics Of Robotics (Jogging Operations) J1 To J3 (Linear Movements)
Day 2 16/5/2022	FN	Mr. Nandhagopal Application Engineer	Basics Of Robotics (Jogging Operations) J1 To J6 (Rotary Movements)
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Day 3 17/5/2022	FN	Mr. Nandhagopal Application Engineer	Explanation Of Program
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	AN	Mr. Tippu Application Engineer	Debugging Of Programme
Day 6 20/5/2022	FN	Mr. Anas Pasha junior Engineer	Understanding The Concepts And Performing Small Operations.

	AN	Mr. Tippu Application Engineer	Understanding The Concepts And Performing Small Operations.
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Week 2

Day/dates	Session	Resource person	<u>content</u>
Day 1 22/5/2022	FN	Mr. Anas Pasha junior Engineer	Performing Hands Operations
	AN	Mr. Tippu Application Engineer	Box Operation Triangular Operation
Day 2 23/5/2022	FN	Mr. Anas Pasha junior Engineer	Box Operation Triangular Operation
	AN	Mr. Tippu Application Engineer	Box Operation Triangular Operation
Day 3 24/5/2022	FN	Mr. Anas Pasha junior Engineer	Cuboid Operation Two Layer Cuboid Operation
	AN	Mr. Tippu Application Engineer	Cuboid Operation Two Layer Cuboid Operation
Day 4 25/5/2022	FN	Mr. Nandhagopal Application Engineer	Two Layer Triangular Operation Cuboid Operation
	AN	_Mr. Anas Pasha junior Engineer	Two Layer Triangular Operation Cuboid Operation
Day 5 26/5/2022	FN	Mr. Nandhagopal Application Engineer	Two Layer Triangular Operation Cuboid Operation
	AN	_Mr. Anas Pasha junior	Two Layer Triangular

		Engineer	Operation Cuboid Operation
Day 6 27/5/2022	FN	Mr. Nandhagopal Application Engineer	Automation Using The Performed Operations
	AN	Mr. Anas Pasha junior Engineer	Doubt Clarifications Thanks Giving.

Faculties Attended

Mechatronics Engineering

- 1) Dr.Manjula C
- 2) Dr.Madhura S
- 3) Ms.Seema V
- 4) Mr.Jaideep R
- 5) Ms.Annu kumari

Mechanical Engineering

- 1) Dr.Madhusudana Reddy
- 2) Dr.Vidyadhar Pujar
- 3) Dr.Prasad Nayak
- 4) Dr. Ravi Prakash
- 5) Mr. T V Nagaraj
- 6) Mr. Ragavendhra
- 7) Mr. Anup Upadhayaya

Objective:

The objective of the session is to bring the awareness about Industrial automation and robotics are the use of computers, control systems and information technology to handle industrial processes and machinery, replacing manual labour and improving efficiency, speed, quality and performance.

During the session the resource person explained about the its applications and highlighted the points.

- Robotics involves the design, construction, operation, and use of robots.
- The goal of robotics is to design machines that can help and assist humans.
- The term Robotic Process Automation (RPA) brings the image of physical robots performing labor-intensive activities, like cleaning a house, lifting heavy objects, doing every work as a human worker.
- The application of technology, programs, robotics or processes to achieve outcomes with minimal human input.

Benefits of Automation

- Lower operating costs.
- Improved worker safety.
- Reduced factory lead times.
- Faster ROI.
- Ability to be more competitive.
- Increased production output.
- Consistent and improved part production and quality.
- Smaller environmental footprint.

Industrial Robot Applications

- Arc Welding. Arc welding, or robot welding.
- Spot Welding.
- Materials Handling.
- Machine Tending.
- Painting.
- Picking, Packing and Palletizing.
- Assembly.
- Mechanical Cutting, Grinding, Deburring and Polishing.

Future of Robotics and Robots

- We can expect to see more significant numbers of increasingly sophisticated robots incorporated into more areas of life, working with humans.
- Contrary to dystopian-minded prophets of doom, these improved robots will not replace workers.

Photos



On day 1 for noon session welcome speech and introduction of Robotics and its design, construction, operation, and use of robots and computer systems for their control, sensory feedback, and information processing. Afternoon session , jogging operations was taken and hands on was also conducted.

On day 2 forenoon session J4 to J6 was conducted and explained the linear and rotary motions

was taught well , in afternoon session complete J1 to J6 hands was taken.

On day 3 both the session explanation of program was explained in detail method.

On day 4 entering the program in teach pendent was taught for both the sessions.

On day 5 morning session Saving, Running And Executing was explained to all. And afternoon session debugging of program was taught.

On day 6 Understanding The Concepts And Performing Small Operations was explained for both the sessions.

On day 7 Performing Hands Operations of small operations using J1 to J6 was performed.

On day 8 Box Operation and Triangular Operation was taught to the faculties for both the sessions.

On day 9 Cuboid Operation and Two Layer Cuboid Operation was taught to the faculties for both the sessions.




On day 10 and 11 Two Layer Triangular Operation Cuboid Operation was taught to the faculties for both the sessions.



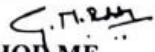

On day 12 forenoon session on automation was explained and afternoon session doubts and vote of thanks was given.

Outcome:

- One Of The Top Ways Educational Robotics Can Benefit Learning Outcomes Is By Promoting Creative Problem Solving Skills.
- Problem-Based Learning Is A New Learning Model That Promotes Creative Problem-Solving With The Use Of A Robot In Lieu Of An Actual Teacher.
- The Case For Robotics And Automation In Construction Is Sound; The Need For Productivity Gains, Horizontal Integration Of Construction Processes
- The Pragmatism Of Modularization And The Growing Challenge Of Finding Skilled Labour Collectively Point To Increased Use Of Automation

Sample certificate

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DEPARTMENT OF MECHATRONICS ENGINEERING & MECHANICAL ENGINEERING	
<i>CERTIFICATE OF PARTICIPATION</i>	
This is to certify that	
Dr. Manjula C	
has actively participated in the 2 Weeks FDP on "ROBOTICS AND AUTOMATION" conducted by the Department of Mechatronics Engineering & Mechanical Engineering, TOCE Bangalore, from 15/5/2022 to 27/5/2022 .	
 HOD MTE	 PRINCIPAL

 FACULTY CO-ORDINATOR (Mr. Jaideep R)	 HOD MTE Prof. & HOD Department of Mechatronics The Oxford College Of Engineering Bommanahalli, Bangalore-560 068	 HOD ME	 PRINCIPAL PRINCIPAL The Oxford College of Engineering Bommanahalli, Hosur Road Bengaluru-560 068
PROFESSOR & HEAD DEPARTMENT OF MECHANICAL ENGINEERING THE OXFORD COLLEGE OF ENGINEERING BOMMANAHALLE, BANGALORE-560 068			

DEPARTMENT OF MECHATRONICS ENGINEERING
2 Weeks FDP on "Robotics and Automation"

Total number of faculties attended - 12

Faculties Attended




Mechatronics Engineering

- 1) Dr.Manjula C
- 2) Dr.Madhura S
- 3) Ms.Seema V
- 4) Mr.Jaideep R
- 5) Ms.Annu kumari

Mechanical Engineering

- 1) Dr.Madhusudana Reddy
- 2) Dr.Vidyadhar Pujar
- 3) Dr.Prasad Nayak
- 4) Dr. Ravi Prakash
- 5) Mr. T V Nagaraj
- 6) Mr. Ragavendhra
- 7) Mr. Anup Upadhayaya

Sample certificate

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<p> HOD MTE</p>	<p> PRINCIPAL</p>

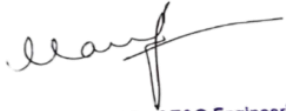


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Date: 12-08-2022

CIRCULAR

This is to inform you that the department of ECE is organizing A Two Weeks FDP on ***Pedagogical Approaches on Effective Teaching with LMS*** from Aug 16 to Aug 29, 2022. All the faculty members are informed to attend the workshop and make the best use of it.


Professor & HOD of E&C Engineering
The Oxford College of Engineering
Bommanahalli, Bangalore - 560 068.

HOD



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**Organizing Two Weeks FDP on "PEDAGOGICAL APPROACHES ON
EFFECTIVE TEACHING WITH LMS "**

Date : 16th AUG to 29th AUG 2022

Venue : 5th Floor Seminar Hall , New Building

Convener

Dr. Preeta Sharan
Dean Research

The Oxford College of Engineering

Patron

Dr. N. Kannan
Principal

The Oxford College of Engineering

Chief Patron

Shri S.N.VL Narasimha Raju
Chairman

The Oxford Group of Institutions



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2-Week FDP Schedule with Resource Persons

(16/08/2022 -29/08/2022)

Week-1

FN: 10 AM to 12AM

AN: 2PM to 4PM

Days/Dates	Session	Resource Person	Content
Day1 16/8/22	FN	Dr.N.Kannan , Principal, The Oxford College of Engineering, Bangalore	Introduction to the 2-week FDP , IPCC & Non-IPCC Briefing
	AN	Dr.R.Kanagavalli, Prof.& HOD, Dept. of ISE , TOCE	Course Outcome, Revised Bloom's Taxonomy Level
Day2 17/08/2022	FN	Dr. Manju Devi, Prof.& HOD, Dept. of ECE, TOCE	Lesson Plan, CO-PO Mapping, Pos with hands-on for theory and labs
	AN	Dr.Vijaya Kumari, Dean Academics, TOCE	Pedagogical Approaches for effective teaching
Day3 18/08/2022	FN	Dr.Mallesiah, Prof. & HOD, Dept. of Civil Engineering, TOCE	Smart Board usage with its significance
	AN		Hands-on Session on usage of smart board
Day4	FN	Dr.Madhusudan Reddy, Prof. & HOD, Dept. of	Importance of Human values in Teaching & Learning

19/08/2022	AN	Mechanical Engineering, TOCE	Activities conducted for participants
Day5 20/08/2022	FN	Dr.Mallikarjun, Dean Exam, TOCE	Evaluation methods for CIE & SEE
	AN	Dr.Bharath B S, Prof. & HOD, Dept. of EEE,TOCE	Setting of QP with RBT Level
Day6 22/08/2022	FN	Dr.Manjunath, Prof. &HOD, Dept. of Biotechnology	Schema Rubrics for theory & lab
	AN	Dr.C H Naidu, Prof. & HOD, Dept. of CSE,TOCE	Attainment

Week-2 (LMS)			
Day7 23/08/2022	FN	Dr.Tarakrama Reddy, Prof.& HOD, Dept. of MBA,TOCE	JUNO- How to Entering details – personal, Journal publications etc. and its significance.
	AN	Dr.Saravanan,Prof. Dept.of CSE,TOCE	Course File in JUNO
Day8 24/08/2022	FN	Dr.Puja Shashi, Prof.& HOD, Dept. of MCA, TOCE	Internal and External Attainment in JUNO
	AN	Dr.Devi Vigneshwari, Assoc.Prof. Dept. of EEE	CIE-Evaluation & Marks Entry
Day9 25/08/2022	FN	Dr.Raju B R, Prof. &HOD, Dept.of Automobile Engineering	Importance of Mentoring &Counseling
	AN		Hands –on JUNO for Mentoring
Day10 26/08/2022	FN	Dr.Manjula, Assoc. Prof. & HOD, Dept. of Mechatronics Engineering	CO-PO mapping for theory and labs
	AN	Dr.BinduMadhavi ,Prof. & HOD, Dept. of AIML,TOCE	Students attendance and Leave Management

Day11 27/08/2022	FN	Dr. Gangavathy , HOD – S&H,TOCE	Time Table Management-theory & Practical
	AN	Dr.Preeta Sharan ,Dean R&D	Research Findings &Publications
Day12 29/08/2022	FN	Dr.VijayaKumari, Dean Academics, TOCE	Discussion & Feedback
	AN	Valedictory session	



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REPORT ON

2 Weeks FDP on Pedagogical Approaches on Effective Teaching with LMS

Aug 16-29, 2022

2 Weeks Faculty Development Program on Pedagogical Approaches on Effective Teaching with LMS was organized at The Oxford College of Engineering from Aug16, 2022 to Aug29, 2022 in association with Skill development lab. Faculty training and pedagogy sessions provide a platform for improving teaching learning outcomes.


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**Organizing Two Weeks FDP on "PEDAGOGICAL APPROACHES ON
EFFECTIVE TEACHING WITH LMS "**

Date : 16th AUG to 29th AUG 2022
Venue : 5th Floor Seminar Hall , New Building

Convener Dr. Preeta Sharan Dean Research The Oxford College of Engineering	Patron Dr. N. Kannan Principal The Oxford College of Engineering	Chief Patron Shri S.N.V.L Narasimha Raju Chairman The Oxford Group of Institutions
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Technology-based teaching and discussion forums are essential tools that can improve student-to-teacher interaction. This FDP consists of lecture sessions, case studies, panel discussions, group activities and Hands – on session. It tries to bring faculty under an umbrella to share the best practices in teaching and learning.

Faculty Development Program Inauguration

Dr. Vanaja Roselin E. Chirchi, Professor, ISE department hosted the inauguration program began with a Welcome speech by Dr. Manju Devi, Professor and Head ECE department welcomed all the respected dignitaries and participants. Hon. Principal Dr. N Kannan shared his inaugural speech about the FDP. Sir has shared his views with the faculty members to focus on increasing learning outcomes by making use of innovative practices and ICT tools. Dr. Vijaya Kumari, Dean of Academics emphasized the benefits of FDP and explained the importance of skills.

Objectives:

The main objective of this program is to focus on enabling faculty to understand their strength and weakness and to work more specific on skill sets needed to become effective facilitators for learning. The FDP helps faculty to focus on increasing learning outcomes by making use of innovative practices and ICT tools.

Benefits:

Enabling faculty to become more effective in classroom teaching, curriculum framing, and practicing innovative assessment techniques. Motivating faculty to understand the importance of coexistence of teaching as well as research for achieving academic excellence. Improving social skills necessary for collaboration, professional growth, personnel management, and leadership. Understanding the importance of getting outside institute exposure and transferring them to their students.

Participants Attended

The FDP was attended by 30 participants from various departments of The Oxford College of Engineering.

List of Faculties registered for 2 week FDP

SL NO	Name of Faculty	Department	Designation
1.	Mrs. Leela R Rahini	PHY	Asst. Prof.
2.	Mr. Ashok B P	MCA	Asst. Prof.
3.	Ms. Kavya S Kallimani	Civil	Asst. Prof.
4.	Ms. Gayathri T	Civil	Asst. Prof.
5.	Mrs. Nisha C Rani	EEE	Asst. Prof.
6.	Mr. JC Achutha	MCA	Asst. Prof.
7.	Mr. Bheemeswara Reddy V	MBA	Asst. Prof.
8.	Dr. Varun K R	MECH	Asst. Prof.
9.	Ms. Seema V	MT	Asst. Prof.
10.	Mr. Anup M Upadhyaya	MECH	Asst. Prof.
11.	Mrs. Moumita Chatterjee	MATHS	Asst. Prof.

12.	Ms. Lenish Pramiee V	CSE	Asst. Prof.
13.	Ms. Lavanya B S	MATHS	Asst. Prof.
14.	Ms. Asha Kumari A	CSE	Asst. Prof.
15.	Dr. Raghu R	CSE	Asst. Prof.
16.	Ms. Sathya M	CSE	Asst. Prof.
17.	Ms. Shruthi K	CSE	Asst. Prof.
18.	Mr. Karthik S L	ISE	Asst. Prof.
19.	Ms. Vidhya S	ISE	Asst. Prof.
20.	Mrs. Indu K S	ISE	Asst. Prof.
21.	Mr. Prajwalasimha S N	ECE	Asst. Prof.
22.	Dr. Laya Tojo	ECE	Asst. Prof.
23.	Ms. Iffat Fathima	ECE	Asst. Prof.
24.	Ms. Salma Kausar M	BT	Asst. Prof.
25.	Mrs. Selastina Mary A	MATHS	Asst. Prof.
26.	Dr. Indulekha John	BT	Asst. Prof.
27.	Dr. Shipra Bhati	CHEM	Asst. Prof.
28.	Mr. Pradeep C	MECH	Asst. Prof.
29.	Mr. Jaideep Rukmangadan	MT	Asst. Prof.
30.	Ms. Resna S R	EEE	Asst. Prof.

Schedule and the Resource person

The introduction to the Resource Person was given by Dr. A Chrispin Jiji, Associate Professor, and Department of ECE.

2-Week FDP Schedule with Resource Persons (16/08/2022 -29/08/2022)

Week-1

FN: 10 AM to 12AM

AN: 2PM to 4PM

Days/Dates	Session	Resource Person	Content
Day1 16/8/22	FN	Dr.N.Kannan , Principal, The Oxford College of Engineering, Bangalore	Introduction to the 2-week FDP , IPCC & Non-IPCC Briefing
	AN	Dr.R.Kanagavalli, Prof.& HOD, Dept. of ISE , TOCE	Course Outcome, Revised Bloom's Taxonomy Level
Day2 17/08/2022	FN	Dr. Manju Devi, Prof.& HOD, Dept. of ECE, TOCE	Lesson Plan, CO-PO Mapping, Pos with hands-on for theory and labs
	AN	Dr.Vijaya Kumari, Dean Academics, TOCE	Pedagogical Approaches for effective teaching
Day3 18/08/2022	FN	Dr.Mallesiah, Prof. & HOD, Dept. of Civil Engineering, TOCE	Smart Board usage with its significance
	AN		Hands-on Session on usage of smart board
Day4	FN	Dr.Madhusudan Reddy, Prof. & HOD, Dept. of	Importance of Human values in Teaching & Learning

19/08/2022	AN	Mechanical Engineering, TOCE	Activities conducted for participants
Day5 20/08/2022	FN	Dr.Mallikarjun, Dean Exam, TOCE	Evaluation methods for CIE & SEE
	AN	Dr.Bharath B S, Prof. & HOD, Dept. of EEE,TOCE	Setting of QP with RBT Level
Day6 22/08/2022	FN	Dr.Manjunath, Prof. &HOD, Dept. of Biotechnology	Schema Rubrics for theory & lab
	AN	Dr.C H Naidu, Prof. & HOD, Dept. of CSE,TOCE	Attainment
Week-2 (LMS)			
Day7 23/08/2022	FN	Dr.Tarakrama Reddy, Prof.& HOD, Dept. of MBA,TOCE	JUNO- How to Entering details – personal, Journal publications etc. and its significance.
	AN	Dr.Saravanan,Prof. Dept.of CSE,TOCE	Course File in JUNO
Day8 24/08/2022	FN	Dr.Puja Shashi, Prof.& HOD, Dept. of MCA, TOCE	Internal and External Attainment in JUNO
	AN	Dr.Devi Vigneshwari, Assoc.Prof. Dept. of EEE	CIE-Evaluation & Marks Entry
Day9 25/08/2022	FN	Dr.Raju B R, Prof. &HOD, Dept.of Automobile Engineering	Importance of Mentoring & Counseling
	AN		Hands –on JUNO for Mentoring
Day10 26/08/2022	FN	Dr.Manjula, Assoc. Prof. & HOD, Dept. of Mechatronics Engineering	CO-PO mapping for theory and labs
	AN	Dr.BinduMadhavi ,Prof. & HOD, Dept. of AIML,TOCE	Students attendance and Leave Management
Day11 27/08/2022	FN	Dr. Gangavathy , HOD – S&H,TOCE	Time Table Management-theory & Practical
	AN	Dr.Preeta Sharan ,Dean R&D	Research Findings & Publications
Day12 29/08/2022	FN	Dr.VijayaKumari, Dean Academics, TOCE	Discussion & Feedback
	AN	Valedictory session	

After successful completion of the 2-Week FDP, the participants have got the participant certificate.



On Week 1, Day 1 the keynote address was delivered by Dr. N Kannan, Principal, The Oxford College of Engineering, and Bangalore. In his talk he briefed about the topic Introduction to the 2-week FDP, IPCC & Non-IPCC. The next session was conducted by Dr. R Kanagavalli, Professor & Head, Department of ISE, The Oxford College of Engineering, Bangalore. Mam spoke on the topic Course Outcome, Revised Bloom's Taxonomy Level.

On Day 2 the session was delivered by Dr. Manju Devi, Professor & Head, Department of ECE, The Oxford College of Engineering, Bangalore. In her talk mam briefed about the topic Lesson Plan, CO-PO Mapping, Pos with hands-on for theory and labs. The next session was conducted by Dr. Vijaya Kumari, Dean of Academics, The Oxford College of Engineering, Bangalore. Mam spoke on the topic Pedagogical Approaches for effective teaching

On Day 3 the session was delivered by Dr. Malleshiah, Prof. & HOD, Dept. of Civil Engineering, The Oxford College of Engineering, Bangalore. Sir briefed about the topic

Smart Board usage with its significance. Followed by the Hands-on Session on usage of smart board.

On Day 4 the session was delivered by Dr.Madhusudan Reddy, Prof. & HOD, Dept. of Mechanical Engineering, The Oxford College of Engineering, Bangalore. Sir briefed about the Importance of Human values in Teaching & Learning. Followed by the Hands-on Session on various activities for participants.

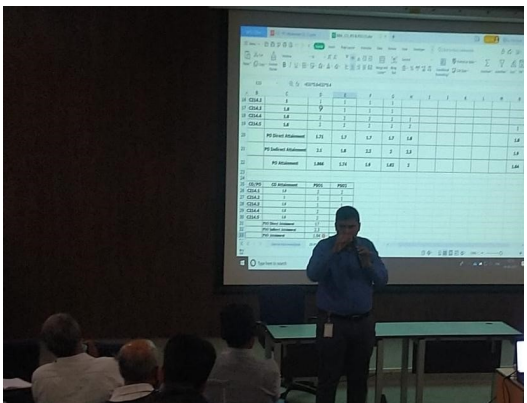
On Day 5 the session was delivered by Dr.Mallikarjun, Dean Exam, The Oxford College of Engineering, Bangalore. In his talk sir briefed about the topic Evaluation methods for CIE & SEE. The next session was conducted by Dr. Bharath B S, Professor & Head, Department of EEE, The Oxford College of Engineering, Bangalore. Sir spoke on the topic Setting of QP with RBT Level

On Day 6 the session was delivered by Dr.Manjunath, Prof.& HOD, Dept. of Biotechnology, The Oxford College of Engineering, Bangalore. Sir briefed about the topic Schema Rubrics for theory & lab. The next session was conducted by Dr.C H Naidu, Prof. & HOD, Dept. of CSE,The Oxford College of Engineering, Bangalore. Sir spoke on the topic of CO-PO Attainment

On Week 2, Day 7 the session was delivered by Dr.Tarakrama Reddy, Prof.& HOD, Dept. of MBA, The Oxford College of Engineering, Bangalore. In his talk he briefed about the topic JUNO- How to Entering details –personal, Journal publications etc. and its significance. The next session was conducted by Dr.Saravanan,Prof. Dept.of CSE, The Oxford College of Engineering, Bangalore. Sir spoke on the topic How to do Course File in JUNO.

On Day 8 the session was delivered by Dr.Puja Shashi, Prof.& HOD, Dept. of MCA, The Oxford College of Engineering, Bangalore. In her talk mam briefed about the topic Internal and External Attainment in JUNO. The next session was conducted by Dr.Devi Vigneshwari, Assoc.Prof. Dept. of EEE, The Oxford College of Engineering, Bangalore. Mam spoke on the topic CIE-Evaluation & Marks Entry.

On Day 9 the session was delivered by Dr.Raju B R, Prof. &HOD, Dept.of Automobile Engineering, The Oxford College of Engineering, Bangalore. In his talk he briefed about the Importance of Mentoring & Counseling. Followed by Hands –on JUNO for Mentoring.



On Day 10 the session was delivered by Dr.Manjula, Assoc. Prof. & HOD, Dept. of Mechatronics Engineering, The Oxford College of Engineering, Bangalore. In her talk mam

briefed about the topic *CO-PO mapping for theory and labs*. The next session was conducted by Dr. Bindu Madhavi, Prof. & HOD, Dept. of AIML, The Oxford College of Engineering, Bangalore. Mam spoke on the topic of *Students attendance and Leave Management*

On Day 5 the session was delivered by Dr. Gangavathy, HOD –S&H, The Oxford College of Engineering, Bangalore. In her talk *mam* briefed about the topic *Time Table Management-theory & Practical*. The next session was conducted by Dr. Preeta Sharan, Dean R&D, The Oxford College of Engineering, Bangalore. Mam spoke on the topic *Research Findings & Publications*.

On Day 6 the session was delivered by Dr. Vijaya Kumari, Dean Academics, The Oxford College of Engineering, Bangalore. Mam discussed with the participants and got their feedback. The FDP was concluded by the valedictory function conducted on Day 2 afternoon 3.30pm. The session started with the welcome speech of Dr. A Chrispin Jiji, Associate Professor, Department of ECE. She gave a warm welcome to the gatherings and to the dignitaries. The overview of the FDP was delivered by Mrs. Jessy Janet Kumari, Assistant Professor, CSE Dept. The Principal Dr. N Kannan appreciated the effort of the organizing team in managing the FDP so well. Few Speakers and participants shared their wonderful experience. The valedictory function ended by the Vote of Thanks by Mr. Jaideep, Assistant Professor, Department of Mechatronics.

OUTCOME:

All the sessions were very much informative. The discussed areas are of great benefit for the participants. Participants were enlightened by learning various Biosensors and gained practical knowledge in Hands-on session in this domain. On the whole the FDP received a lot of positive feedback from participants and it paved the way for participants to understand their strength and weakness and to work more specific on skill sets needed to become effective facilitators for learning. .


PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068



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Website:www.theoxford.edu Email : engprincipal@theoxford.edu

(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

List of Participants

SL NO	Name of Faculty	Department	Designation
1.	Mrs. Leela R Rahini	PHY	Asst. Prof.
2.	Mr. Ashok B P	MCA	Asst. Prof.
3.	Ms. Kavya S Kallimani	Civil	Asst. Prof.
4.	Ms. Gayathri T	Civil	Asst. Prof.
5.	Mrs. Nisha C Rani	EEE	Asst. Prof.
6.	Mr. JC Achutha	MCA	Asst. Prof.
7.	Mr. Bheemeswara Reddy V	MBA	Asst. Prof.
8.	Dr. Varun K R	MECH	Asst. Prof.
9.	Ms. Seema V	MT	Asst. Prof.
10.	Mr. Anup M Upadhyaya	MECH	Asst. Prof.
11.	Mrs. Moumita Chatterjee	MATHS	Asst. Prof.
12.	Ms. Lenish Pramiee V	CSE	Asst. Prof.
13.	Ms. Lavanya B S	MATHS	Asst. Prof.
14.	Ms. Asha Kumari A	CSE	Asst. Prof.
15.	Dr. Raghu R	CSE	Asst. Prof.
16.	Ms. Sathya M	CSE	Asst. Prof.
17.	Ms. Shruthi K	CSE	Asst. Prof.
18.	Mr. Karthik S L	ISE	Asst. Prof.
19.	Ms. Vidhya S	ISE	Asst. Prof.
20.	Mrs. Indu K S	ISE	Asst. Prof.
21.	Mr. Prajwalasimha S N	ECE	Asst. Prof.
22.	Dr. Laya Tojo	ECE	Asst. Prof.
23.	Ms. Iffat Fathima	ECE	Asst. Prof.
24.	Ms. Salma Kausar M	BT	Asst. Prof.
25.	Mrs. Selastina Mary A	MATHS	Asst. Prof.
26.	Dr. Indulekha John	BT	Asst. Prof.
27.	Dr. Shipra Bhati	CHEM	Asst. Prof.
28.	Mr. Pradeep C	MECH	Asst. Prof.
29.	Mr. Jaideep Rukmangadan	MT	Asst. Prof.
30.	Ms. Resna S R	EEE	Asst. Prof.


Professor & HOD of E&C Engineering
The Oxford College of Engineering
Bommanahalli, Bangalore - 560 068.



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Participation Certificate

This is to certify that **Mr. Channappa Gowda** Assistant Professor
Department of ISE has participated in the 2 - Weeks FDP Titled "PEDAGOGICAL
APPROACHES ON EFFECTIVE TEACHING WITH LMS " Organized by The Oxford
College Of Engineering from 16/8/2022 to 29/8/2022

Convener
Dr. Preeta Sharan
Dean Research
The Oxford College of Engineering

Dr. N. Kannan
Principal
The Oxford College of Engineering



CHILDREN'S EDUCATION SOCIETY (Regd.)

THE OXFORD COLLEGE OF ENGINEERING

DEPARTMENT OF MECHATRONICS

(Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.

Approved by A.I.C.T.E. New Delhi. Recognized by UGC Under Section 2(f))


Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 08-11-2022

CIRCULAR

This is to inform you that the departments of ISE, CSE and MCA are organizing a **Two week FDP on “Advancements in Artificial Intelligence and Machine Learning”** from 14/11/2022 to 26/11/2022. All the faculty members are informed to attend the workshop and make the best use of it.


Dr. R. KANAGAVALLI
PROFESSOR & HOD-ISE
The Oxford College Of Engineering
Bommanahalli, Hosur Main Road,
Bangalore 560 068.

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Department of ISE ,CSE, & MCA

PRESENTS

Two Weeks Faculty Development Program

ON

"Advancements in Artificial Intelligence and Machine Learning"

Date: 14th Nov to 26th Nov 2022

5th Floor Seminar Hall, New Building

Patron

**Dr.N.Kannan ,
Principal,
The Oxford College of
Engineering**

Chief Patron

**Shri.S.N.V.L. Narashima Raju ,
Chairman,
The Oxford College of
Institution**

Convener

**Dr.R Kanagavalli ,
Prof & HOD of ISE,
The Oxford College of
Engineering**

Convener

**Dr.Ch.A. Naidu ,
Prof & HOD of CSE,
The Oxford College of
Engineering**

Convener

**Dr.Puja Shashi ,
Prof & HOD of MCA,
The Oxford College of
Engineering**



THE OXFORD COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING
Two Weeks Faculty Development Program

Advancements in Artificial Intelligence and Machine Learning

Program Schedule

SL No	DAY	Date	TIME	Title	Resource Person
1	Day – 1	14-11-22	9:30 AM– 11:30 AM	Inaugural function and Key note speech	<u>Dr.N.Kannan, Principal, The Oxford College of Engineering, Bangalore</u>
			2:00 PM – 3:30 PM	Introduction To Data Science	<u>Dr.Vijaya Kumari, Dean Academics, TOCE</u>
2	Day – 2	15-11-22	9:30 AM– 11:30 AM	Computer Vision	Dr.R.Kanagavalli, Prof.& HOD, Dept. of ISE , TOCE
			2:00 PM – 3:30 PM	Genetic Algorithm	Dr.R.Kanagavalli, Prof.& HOD, Dept. of ISE , TOCE
3	Day – 3	16-11-22	9:30 AM– 11:30 AM	Natural Language processing	Dr.Seema Patil,Dept. of CSE ,TOCE,Bangalore

			2:00 PM – 3:30 PM	Data Science	Dr.Seema Patil,Dept. of CSE ,TOCE,Bangalore
4	Day – 4	16-11-22	9:30 AM– 11:30 AM	Hands-on programming with Python	Dr.R.Raghu, Dept. of CSE,TOCE
			2:00 PM – 3:30 PM	Learning Analytics	Dr.R.Raghu, Dept. of CSE,TOCE
5	Day – 5	18-11-22	9:30 AM– 11:30 AM	Human computer Interaction using Machine Learning	Dr.Vanaja,Dept. of ISE,TOCE
			2:00 PM – 3:30 PM	Hands-on session in Brain computing	Dr.Vanaja,Dept. of ISE,TOCE
6	Day – 6	19-11-22	9:30 AM– 11:30 AM	Meta Heuristic Search Techniques	Dr.Saravana kumar,Professor,Dept. of CSE,TOCE
			2:00 PM – 3:30 PM	Optimization concepts and Machine learning	Dr.Saravana kumar,Professor,Dept. of CSE,TOCE
7	Day – 7	21-11-22	9:30 AM– 11:30 AM	Uninformed Search techniques and their applications	Dr. Manju Devi, Prof.& HOD, Dept. of ECE, TOCE
			2:00 PM – 3:30 PM	Heuristic Search Strategies and optimization concepts	Dr. Manju Devi, Prof.& HOD, Dept. of ECE, TOCE

8	Day –8	22-11-22	9:30 AM– 11:30 AM	Deep Learning Models of feed forward networks,	Dr.CH.A.Naidu,HOD and Professor,Dept. of CSE,TOCE
			2:00 PM – 3:30 PM	Informed Search Techniques and their Applications with case studies	Dr.CH.A.Naidu,HOD and Professor,Dept. of CSE,TOCE
9	Day –9	23-11-22	9:30 AM– 11:30 AM	Difference between informed and uninformed search techniques	Dr.Budesab,Professor,Dept. of CSE,TOCE
			2:00 PM – 3:30 PM	A* Search Algorithm in AI applications techniques	Dr.Budesab,Professor,Dept. of CSE,TOCE
10	Day –10	24-11-22	9:30 AM– 11:30 AM	Heuristic Search Techniques & Hill Climbing in AI	Dr.Puja Shashi,Professor & HOD,Dept. of MCA,TOCE
			2:00 PM – 3:30 PM	Challenges and Research Domains in A.I., Searching Techniques	Dr.Puja Shashi,Professor & HOD,Dept. of MCA,TOCE
11	Day –11	25-11-22	9:30 AM– 11:30 AM	Working with Anaconda Platform, Implementation of Searching Algorithms in Python	Ms.S.Visalini, Professor,Dept. of ISE,TOCE
			2:00 PM – 3:30 PM	Machine Learning and Research Dimensions, Supervised and Unsupervised Learning	Ms.S.Visalini, Professor,Dept. of ISE,TOCE

12	Day -12	26-11-22	9:30 AM- 11:30 AM	Working with WEKA, Implementation of Machine Learning Algorithms in WEKA	Dr.Puja Shashi,Professor & HOD,Dept. of MCA,TOCE
			2:00 PM – 3:30 PM	Valedictory Function.	



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Department of Information Science & Engineering



Report

Two Weeks Faculty Development Program (FDP)

On

**“Advancements in Artificial Intelligence and Machine
Learning”**

(14-November-22 to 26-November-22)

Convener/Program Coordinator

Dr.R.Kanagavali

Professor and Head, Information Science and Engineering

Dr.Ch.A.Naidu

Professor and Head, Computer Science and Engineering

Dr.Puja Shashi

Professor and Head, Master of Computer Applications

About Program

The objective of the two Weeks Faculty development program on Advancements in Artificial Intelligence (AI) and Machine Learning (ML) was to enrich the knowledge of faculty, research scholars of all the discipline. The focus of the FDP was on Artificial Intelligence and its trending applications with machine learning and deep learning. The FDP sessions divide into several modules falling under the umbrella of Artificial Intelligence including Machine Learning, Deep Learning, Computer Vision, Data science, Learning Analytics and Natural Language Processing (NLP). The objective was to address modern trends in the field of Artificial Intelligence with real time problem solving. The FDP enriched with speakers hands-on sessions. The speakers of the sessions were from IITs, NITs, Central University of Karnataka (CUK), Industry and reputed Institutes.

Date: 14th to 26th November 2022

Time: Morning Session (FN):9.30 to 11:30 AM; Afternoon (AN) session: 2:00 to 3:30PM

Medium: Virtual with MS Teams

Faculty Coordinators: Prof. Vidhya Venkatesh and Prof. Sandhya Rani

Program Coordinator/Convener: Dr.Vanajaroselin E.Chirchi

Organizing Committee:

1. Dr.R.Kanagavalli, (Professor & HOD, Dept of ISE)
2. Dr.Puja Shashi, (Professor & HOD, Dept. of MCA)
3. Dr.Ch.A.Naidu, (Professor & HOD, Dept of CSE)
4. Dr.Vanajaroselin E.Chirchi, (Professor)
5. Dr.Saravanakumar, (Professor)
6. Prof.Vidhya Venkatesh, (Assistant Professor)
7. Prof.Sandhya Rani, (Assistant Professor)
8. Prof.JC Achutha, (Assistant Professor)
- 9.

Target Audience:

1. Faculty members from various academic institutes/universities from all over India
2. Research Scholars
3. Industry Personnel

No. of Participants:

1. Academician-15
2. Industry Person-02

FDP Poster:



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Department of ISE ,CSE, & MCA

PRESENTS

Two Weeks Faculty Development Program

ON

"Advancements in Artificial Intelligence and Machine Learning"

Date: 14th Nov to 26th Nov 2022

5th Floor Seminar Hall, New Building

Patron

**Dr.N.Kannan ,
Principal,
The Oxford College of
Engineering**

Chief Patron

**Shri.S.N.V.L. Narashima Raju ,
Chairman,
The Oxford College of
Institution**

Convener

**Dr.R Kanagavalli ,
Prof & HOD of ISE,
The Oxford College of
Engineering**

Convener

**Dr.Ch.A. Naidu ,
Prof & HOD of CSE,
The Oxford College of
Engineering**

Convener

**Dr.Puja Shashi ,
Prof & HOD off MCA,
The Oxford College of
Engineering**

List of Faculties registered for 2 week FDP

SL NO	Name of Faculty	Department	Designation
1.	Dr.Saravana Kumar E	CSE	Professor
2.	Dr.Vanaja	ISE	Professor
3.	Mr.J.C.Achutha	MCA	Asst. Prof.
4.	Ms.Manasa	CSE	Asst. Prof.
5.	Ms.S.Visalini	ISE	Asst. Prof.
6.	Mr.Ashok B P	MCA	Asst. Prof.
7.	Ms. Sathya M	CSE	Asst. Prof.
8.	Ms. Bindyashree	ISE	Asst. Prof.
9.	Ms.S.Vidhya	ISE	Asst. Prof.
10.	Ms. Shruthi K	CSE	Asst. Prof.
11.	Ms.Kavya	ISE	Asst. Prof.
12.	Ms. Lenish Pramiee V	CSE	Asst. Prof.
13.	Mr.Dharmaveer	MCA	Asst. Prof.
14.	Ms. Asha Kumari A	CSE	Asst. Prof.
15.	Dr. Raghu R	CSE	Asst. Prof.



Day 1: 14th November 2022

Session 1: (9:30 AM to 11:30AM) Inaugural function and Key note speech (Dr.N.Kannan, Principal, The Oxford College of Engineering, Bangalore)

The FDP has aim and focus that all the participants should acquire the knowledge in the field of AI so the Inauguration began the invocation song in presence of college principal, Director, HODs and Key note speaker. After that Chief Guest (key note speaker) of the program has declared the opening of FDP. Key Note speech by the resource person was on Advancements in AI and ML; he has drawn his knowledge from history of Artificial Intelligence to the latest trends and applications in AI.

Session 2: (2:00PM to 3:30 PM) Data Science Dr.Vijaya Kumari, Dean Academics, TOCE

In the session on Data Science, resource person covered overview and applications of deep learning. He explained that the exponential growth of business data, low-cost data storage, and Artificial Intelligence reaching maturity will lead to more businesses outsourcing their data center enter activities to cloud service providers. Also, the future of Machine Learning and Artificial Intelligence explains that while cloud brings agility to businesses, AI and ML will leave a major impact on business outcomes.

Day 2: 15th November 2022

Session 3: (9:30 AM to 11:30AM) Computer Vision by Dr.R.Kanagavalli, Prof.& HOD, Dept. of ISE , TOCE

In the session of computer vision the speaker focused on the basics, applications of the computer vision. Speaker took us with deep learning approach for Covid-19 dataset and shown the hands-on with Koggle, Colab environment with iris dataset and explained image enhancement using image processing concept. Explained, how we can calculate performance metrics such as accuracy, True negative, true positive etc.

Session 4: (2:00PM to 3:30 PM) Genetic Algorithm by Dr.R.Kanagavalli, Prof.& HOD, Dept. of ISE , TOCE

Swarm intelligence oversteps the intricate mechanisms governing evolution that genetic algorithms rely on. It

is a field of artificial life that seeks to understand the collective behavior of animals, particularly insects, and to use this understanding for solving complex, nonlinear problems. It has made us to understand the swarm intelligence with optimization, algorithms, simulation with analogies.

Day 3 : 16th November 2022

Session 5: (9:30 AM to 11:30AM) Natural Language processing by Dr.Seema Patil,Dept. of CSE ,TOCE,Bangalore

Natural language processing (NLP) refers to **the branch of computer science**—and more specifically, the branch of artificial intelligence or AI—concerned with giving computers the ability to understand text and spoken words in much the same way human beings can. Speaker has focused on the discourse ie ordering of statements. Sir has made the session very interesting and interactive with many examples.

Session 6: (2:00PM to 3:30 PM) Data Science by Dr.Seema Patil,Dept. of CSE ,TOCE,Bangalore

Explanation made by the speaker was remarkable, he started the presentation from problem solving, machine computing and data science in multidisciplinary. Speaker also explained the technology transformation toward data science with applications. Speaker explained the proceeding for analytics ie understanding data for learning or analysis, participants were very happy to receive such information.

Day 4: 17th November 2022

Session 7: (9:30 AM to 11:30AM) Hands-on programming with Python by Dr.R.Raghu, Dept. of CSE,TOCE

Python is a general purpose and high level programming language. We can use Python for developing desktop GUI applications, websites and web applications. Also, Python, as a high level programming language, allows you to focus on core functionality of the application by taking care of common programming tasks. The simple syntax rules of the programming language further makes it easier for us to keep the code base readable and application maintainable. To make audience aware with python programming, hands-on session was organized by authorities. He explained with dataset and how to use python for data science, computer vision etc.

Session 8: (2:00PM to 3:30 PM) Learning Analytics by Dr.R.Raghu,Dept. of CSE,TOCE

LEARNING ANALYTICS is the measurement, collection, analysis and reporting of data about learners and their contexts, for purposes of understanding and optimizing learning and the environments in which it occurs. Learning Analytics sits at the convergence of Learning (e.g. educational research, learning and assessment sciences, and educational technology), Analytics (e.g. statistics, visualization, computer/data sciences, artificial intelligence). The speaker had explained with education data (teaching/learning), how to predict the no of failure students etc. Sir's insight knowledge on the topic made the participants to understand the analytic tools and how to use it.

Day 5: 18th November 2022

Session 9: (9:30 AM to 11:30AM) Human computer Interaction using Machine Learning by Dr.Vanaja,Dept. of ISE,TOCE

Now a day many applications such as medical systems require human computer interfacing. Speaker knowledge related to HCI explained it with medical imaging applications. The speaker had explained with Brain computing interaction.

Session 10: (2:00 PM to 3:30PM) Hands-on session in Brain computing by Dr.Vanaja,Dept. of ISE,TOCE

The session was continued by the speaker on the topic brain computing for the human computer interfacing. Sir had taken hands-on session in which he had demonstrated the component to check the brain reading and shown the signals as the graph.

Day 6: 19th November 2022

Session 11: (9:30 AM to 11:30AM) Meta Heuristic Search Techniques by Dr.Saravana kumar,Professor,Dept. of CSE,TOCE

The Resource person have discussed about the importance of Meta Heuristic Search Techniques in machine learning and Artificial intelligence in today's life. Under this concept definition, importance & applications of Meta Heuristic Search Techniques in machine learning and Artificial intelligence are discussed

Session 12: (2:00 PM to 3:30PM) Optimization concepts and Machine learning Dr.Saravana kumar ,Professor,Dept. of CSE,TOCE

Session delivered by resource person explained what are Optimization concepts and Machine learning and their applications to decision tree with a clear definition, Decision Trees Terminologies, pruning, branching, parent / child node, splitting, root node, leaf node.

Day 7: 21st November 2022

Session 13: (9:30 AM to 11:30AM) Uninformed Search techniques and their applications by Dr. Manju Devi, Prof.& HOD, Dept. of ECE, TOCE

Uninformed search, also known as blind search, is a search algorithm that explores a problem space without any specific knowledge or information about the problem other than the initial state and the possible actions to take. It lacks domain-specific heuristics or prior knowledge about the problem. Uninformed search algorithms, such as breadth-first search and depth-first search, systematically explore the search space by applying predefined rules to generate successor states until a goal state is found or the search is exhausted. These algorithms are

typically less efficient than informed search algorithms but can be useful in certain scenarios or as a basis for more advanced search techniques.

Session 14: (2:00 PM to 3:30PM) Heuristic Search Strategies and optimization concepts by Dr. Manju Devi, Prof.& HOD, Dept. of ECE, TOCE

The Resource Person has explained the implementation and classification of Heuristic Search Strategies and optimization techniques. It includes Blind Search, Uninformed Search, and Blind control strategy. These search techniques are not always possible as they require much memory and time. These techniques search the complete space for a solution and use the arbitrary ordering of operations.

Day 8: 22nd November 2022

Session 15: (9:30 AM to 11:30AM) Deep Learning Models of feed forward networks,Dr.CH.A.Naidu,HOD and Professor,Dept. of CSE,TOCE

A session is taken by the resource person on deep Learning using Statistical Analytics with R Tools. Python Tools for deep Learning. Sir explained why R is one of the major languages for data science.

Session 16: (2:00 PM to 3:30PM) Informed Search Techniques and their Applications with case studies ,Dr.CH.A.Naidu,HOD and Professor,Dept. of CSE,TOCE

In the session conceptual analysis of Informed Search Techniques in Artificial Intelligence for choosing the right number of clusters procedure is addressed.

Day 9: 23rd November 2022

Session 17: (9:30 AM to 11:30AM) Difference between informed and uninformed search techniques Dr.Budesab,Professor,Dept. of CSE,TOCE

A session is taken by the resource person and addressed about the difference between informed and uninformed search techniques in data mining.

Session 18: (2:00 PM to 3:30PM)A* Search Algorithm in AI applications techniques Dr.Budesab,Professor,Dept. of CSE,TOCE

In this session the Resource person explained about A* Search Algorithm in AI applications and process to build classification models and evaluation of performance. An Introduction To The powerful search algorithm', you will be dealing with the A* algorithm, which is a search algorithm that finds the shortest path between two points. It will be used for the shortest path finding. It is an extension of Dijkstra's shortest path algorithm

Day 10: 24th November 2022

Session 19: (9:30 AM to 11:30AM) Heuristic Search Techniques & Hill Climbing in AI by Dr.Puja Shashi,Professor & HOD,Dept. of MCA,TOCE

The speaker has discussed about Heuristic Search Techniques & Hill Climbing in AI and unsupervised machine learning algorithms in solving real time problems. In contrast to

traditional supervised machine learning algorithms, how these algorithms attempts to classify data without having first been trained with labeled data. Once the algorithm has been run and the groups are defined, any new data can be easily assigned to the most relevant group.

Session 20: (2:00 PM to 3:30PM) Challenges and Research Domains in A.I., Searching Techniques by Dr.Puja Shashi,Professor & HOD,Dept. of MCA,TOCE

Implementation of Machine / Deep Learning using different tools like keras tensorflow pytorch numpy scipy openCV is explained using Cloud. In this session we Configuration: GPU Based Remote System is explained

Day 11: 25th November 2022

Session 21: (9:30 AM to 11:30AM) Working with Anaconda Platform, Implementation of Searching Algorithms in Python by Ms.S.Visalini, Professor,Dept. of ISE,TOCE

Because of rapid advancements, massive amounts of talent and resources are dedicated to accelerating the growth of the technologies. in this session list of 8 best open source AI technologies are shown to take machine learning projects to the next level. in these few are explained

Session 22: (2:00 PM to 3:30PM) Machine Learning and Research Dimensions, Supervised and Unsupervised Learning

In this session machine learning and transfer functions in keras are shown. Linear and Nonlinear Activation Function is show different images having encoding in spatial domain instead of Frequency domain.

Day 12: 26th November 2022

Session 23: (9:30 AM to 11:30AM) Working with WEKA, Implementation of Machine Learning Algorithms in WEKA by Dr.Puja Shashi,Professor & HOD,Dept. of MCA,TOCE

WEKA offers converters to convert the files and Databases and windows databases, Sparse ARFF files, Generating random datasets are discussed. How to download unique datasets, unique datasets and problems, Random Forest approach, are discussed.

Session 24: (2:00 PM to 3:30PM) Valedictory Function

In valedictory session, number of participants was approximately 50 along with Principal of the oxford college of Engineering, Bangalore. Many participants have given the feedback and suggestions for the speakers and overall FDP.



List of Participants
Two Weeks Faculty Development Program (FDP)
On
“Advancements in Artificial Intelligence and Machine Learning”
(14-November-22 to 26-November-22)

SL NO	Name of Faculty	Department	Designation
1.	Dr.Saravana Kumar E	CSE	Professor
2.	Dr.Vanaja	ISE	Professor
3.	Mr.J.C.Achutha	MCA	Asst. Prof.
4.	Ms.Manasa	CSE	Asst. Prof.
5.	Ms.S.Visalini	ISE	Asst. Prof.
6.	Mr.Ashok B P	MCA	Asst. Prof.
7.	Ms. Sathya M	CSE	Asst. Prof.
8.	Ms. Bindyashree	ISE	Asst. Prof.
9.	Ms.S.Vidhya	ISE	Asst. Prof.
10.	Ms. Shruthi K	CSE	Asst. Prof.
11.	Ms.Kavya	ISE	Asst. Prof.
12.	Ms. Lenish Pramiee V	CSE	Asst. Prof.
13.	Mr.Dharmaveer	MCA	Asst. Prof.
14.	Ms. Asha Kumari A	CSE	Asst. Prof.
15.	Dr. Raghu R	CSE	Asst. Prof.



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website: theoxfordengg.org; Email : engprincipal@theoxford.edu

(Approved by AICTE and Affiliated to VTU Belgaavi)

CERTIFICATE OF PARTICIPATION

This is to Certify that Ms. S.Vidhya Department of ISE, has participated in the 2 weeks Faculty Development Program titled "Advancements in Artificial Intelligence and Machine Learning" organized by The Oxford College of Engineering from 14th to 26th November 2022 .

Dr. R.KANAGAVALLI

COORDINATOR

HoD-ISE, TOCE

Dr. N.KANNAN

PRINCIPAL

TOCE



**CHILDREN'S EDUCATION SOCIETY(Regd.)
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DEPARTMENT OF AIML**

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Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 01-02-2023

CIRCULAR

This is to inform you that the department of Artificial Intelligence and Machine Learning is organizing A **Two Day Workshop on “Robo Flagship Product Development for Better Innovation Opportunities”** on 02/02/23 & 03/02/23 All the faculty members are informed to attend the workshop and make the best use of it.

**HEAD OF THE DEPARTMENT
DEPARTMENT OF AIML
THE OXFORD COLLEGE OF ENGINEERING
Bengaluru-560068**

Schedule and Resource Person

Resource Person

Dr. Thotreingam Kasar
Chief Research Officer
HoloWorld.

Sujay S K
Sales & Marketing Personnel
HoloWorld

Madan G
Robotics Engineer/Trainer
HoloWorld

Date:
2nd & 3 Feb 2023
Time:
9:00AM to 5:00PM

Workshop on “Robo Flagship Product Development for Better Innovation Opportunities” on 2 nd and 3rd February 2023 from 09:00 AM to 05:00 PM



Workshop on ROBO Flagship Product Development for Better Innovation Opportunities

HOLOWORLD

ROBO YATRA

WORKSHOP ON

- Introduction to Robotics
- Demo of Flagship product "HoloSuit"
- BYOR demo
- Humanoid Experience
- AR/VR Experience

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COUNCIL**
(Ministry of Education Initiative)

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Hosur Road, Bommanahalli, Bengaluru-560 068
Website: <http://www.theoxford.edu/engineering/>
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WORKSHOP ON “ROBO FLAGSHIP PRODUCT DEVELOPMENT FOR BETTER INNOVATION OPPURTUNITIES”



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**INSTITUTION'S
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COUNCIL**
(Ministry of HRD Initiative)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
IN ASSOCIATION WITH IIC ORGANIZING A

Workshop on ROBO Flagship Product Development for Better Innovation Opportunities

HOLOWORLD

ROBO YATRA

WORKSHOP ON

- Introduction to Robotics
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- BYOR demo
- Humanoid Experience
- AR/VR Experience

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National Startup Award winner 2020 Education sector

Resource Person

Dr. Thotringam Kasar
Chief Research Officer
HoloWorld.

Sujay S K
Sales & Marketing Personnel
HoloWorld

Madan G
Robotics Engineer/Trainer
HoloWorld

Date:

2nd & 3 Feb 2023

Time:

9:00AM to 5:00PM

Sri.S.N.V.L Narasimha Raju
Chief Patron, President
The Oxford Educational
Institutions

Dr. N. Kannan
Principal & President IIC
The Oxford College of Engineering

Dr.Preeti Sharan
Dean Research and Development
The Oxford College of
Engineering

Dr. P. Bindhu Madhavi
IIC Convener
The Oxford College of
Engineering

Arun Selvi K
IIC Member
The Oxford College of
Engineering

The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with Department of Artificial Intelligence and Machine Learning organized a Workshop on “Robo Flagship Product Development for Better Innovation Opportunities” on 2nd and 3rd February 2023 from 09:00 AM to 05:00 PM by Dr. Thotreingam Kasar and his team.

Thotreingam Kasar is a Chief Research Officer at Holosuit Mysore, Karnataka, India. His Area of Research includes Mixed/Augmented/Virtual Reality, Game AI, Human-computer interface, Robotics, Computer vision and Machine Learning. He is a Vice President of Research at Kaaya Tech. He completed PhD from Indian Institute of Science, Bangalore in the field of Image processing and Computer vision. He completed M.Tech from Indian Institute of Technology, Guwahati in the field of Digital Signal Processing.

OBJECTIVES:

The main objective of the workshop is to create Better Innovation Opportunities in the field of Robo Flagship Product Development. Robotics is the intersection of Science, Engineering and Technology that produces machines, called robots that replicate or substitute for human actions. Each Innovative robot has a different level of autonomy. These levels range from human-controlled bots that carry out tasks to fully-autonomous bots that perform Innovative tasks without any external influences. A flagship robo product is the Innovative product that a Robotics company is most well-known for. A flagship product usually makes the most Innovation and often draws in the most revenue for a company. A flagship product can be used as a starting point to create other Innovative products.

Day 1:

The session started with the introduction to Robotics. He clearly explained how Robotics deals with the field of design, construction, sensory feedback and information processing. Then he discussed how robots are designed to be used for Agricultural, Domestic, Household and sensitive environments like bomb detection, deactivation of various bombs etc for better Innovation. The team demonstrated the session using two robots, one has given the human appearance and another one is touch sensitive robot. The robot which has taken the form of human appearance is having the walk like humans, speech, cognition and most importantly all the things a human can do. The session ended with making the robot to run, dance and do push

ups. Then so many students had a conversation with robot and felt the innovative experience. Then the team demonstrated how touch sensitive robots work. Again few students went and they had experienced how it is sensing the object and based on that how it is moving in all the directions across the floor.

Day 2:

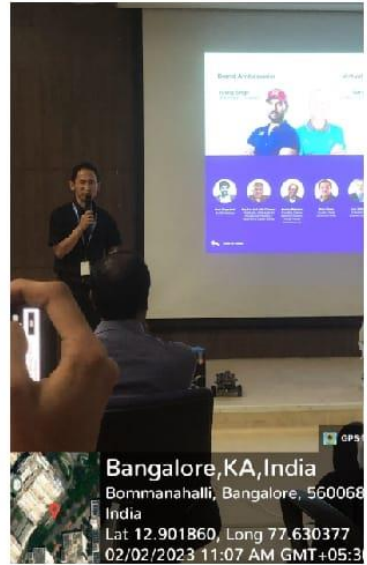
The session started with highlighting the importance of Augmented reality and Virtual Reality in the field of Robotics. Augmented Reality is a way of fusing the real and the virtual world by overlaying digital data on the real world analogue views. Virtual reality makes a virtual environment and puts the user in it whereas Augmented reality just adds the virtual components into the user's real-world view. The team demonstrated Augmented reality by fixing the components of robotic machine. Then they made several students to assemble the robotic kit by giving the instructions using AR. The students really had an Innovative experience and they were created with better Innovation opportunities.

He concluded the session emphasizing on the importance of Innovative Technologies through Robotics. He explained with many Innovative real time examples. First he explained in the field of Defense as it helps in improving the situational awareness of the soldiers using AR technology that assists soldiers on the battlefield to precisely locate their positions in addition to the location of others. Then he explained in the field of Healthcare where AR technology has the potential to replace ultrasound scanners as it will help in locating the blood vessels very accurately and in a shorter period. Finally he explained in the field of Logistics where it optimizes warehouse operations, transportation, last-mile delivery and enhanced value-added services.

Around 147 students and 13 faculty members are participated in the seminar.

OUTCOMES:

The outcome of the workshop is to express student's Innovation Opportunities through Robotics Technologies. The students learnt how to develop Robo Flagship product. They understand how Augmented Reality and Virtual reality are highly interactive in nature and operate simultaneously with real time environment. Further they got clarity on how Robots performs complex tasks that often require extensive feature engineering. The final outcome of the session is there is no part of our society or life that will not be affected by future robotics.

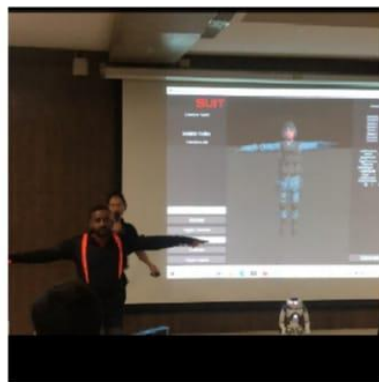
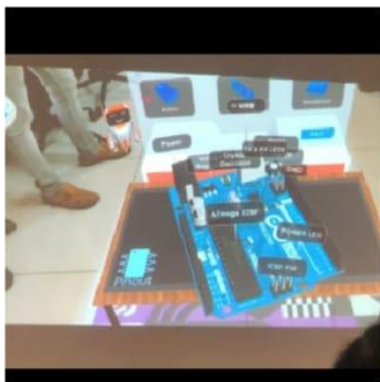


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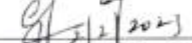

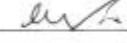

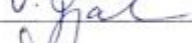

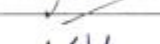
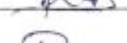




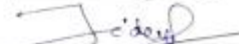





Video Link:

<https://drive.google.com/drive/folders/1TFAbqDZYfoVDPwABs9u1xGvd8cLdJ-Uz>

Participation Details:

SL. No..	Name	Dept.	Sign
1.	Dr. R. Ch. A Naidu	CSE	
2.	Dr. K. Tharaka Ranilath	MBA	
3.	Dr. S. Malleshwar	CV	
4.	Dr. Manjiv Suri	ECE	
5.	Dr. Gangavathi P	SE&H	 21/12/2023
6.	Dr. Mangula C	MTE	
7.	Dr. Vanajaselin	ISE	
8.	Lijya Naidu	MCA	
9.	Dr. V. Vijaya Kumari	Dean, Academic	
10.	Seema V	MTE	
11.	Annu Kumari	Mechatronics	
12.	Arun, Selvi K	AIML	
13.	R. Priya Mary	ISE	
14.	Shi Roopini V	AIML	
15.	G. Mounita Sharon	EEE	
16.	Dr. P. Bindhu Harshani	AIML	
17.	Dr. Preeta	Dean Res	
18.	Jaideep R	MTE	

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01	Shreyas.R.Byabhatti	CSE	
02	V. Harish Yadav	CSE	
03	Sagar. Chintamani	CSE	
04	Jeevan.S	AI - ML	
05	Jai Kishore	AI - ML	
06	Chetan.M	AI - ML	
07	Priyadharshini	AIML	
08	DELWIN BENSON	MT	
09	AZHAR MOHAMMED	MT	
10	Meenakshi G	ISE	
11	Bhavya K	ISE	
12	Deekshitha R Mavuri	ISE	
13	Ambika	ISE	
14	DANALAKSHMI	ISE	
15	CHANDRIKA	ISE	
16	Ahalya.V	ISE	
17	Darshini.N	BIG	
18	Bhoomilee	DPE	
19	T. Sneha	ISE	
20	Neethya.H	ISE	
21	P.T Neha	ISE	
22	Hareeshaa.K.V	AI-ML	
23	Manoj	CSE	
24	A Kiran	CSE	
25	Shrith	MT	
26	Harshitha	Civil	
27	Iyuma	M.T	
28	Mangurath	M.T	
29	Zarnil Selvar	Civil	

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2	Hemanth N.B	AIML	Hk
3	Nithin Rocky	AIML	Hk
4	Venkatraj N	AIML	uht
5	Rakshith S	AIML	uht
6	Naraina gowda	AIML	uht
7	Tharmaya Reddy	AIML	Tharmaya
8	Bhreenika M	AIML	Bhreenika
9	Shreetha	AIML	Shreetha
10	Soundarya	AIML	Soundarya
11	Shabiul	AIML	Shabiul
12	Vidhan	AIML	Vidhan
13	Simran	AIML	Simran
14	Naveen M	AIML	Naveen
15	Purnith Kumar	AIML	Purnith
16	ESHU HR	MT	ESHU
17	Mohit	AIML	Mohit
18	Chandan	AIML	Chandan
19	Shamkar	AIML	Shamkar
20	chandan.B	ME	Chandan B
21	MD. SINAN .K	ME	MD. SINAN .K
22	Rakshith S	CIVIL	Rakshith
23	Chandana Chandro Naik	CSE	Chandana
24	Charanya H	CSE	Charanya
25	Chandana L	CSE	Chandana
26	Laxmi T	ECE	Laxmi
27	Smuli B	ECE	Smuli
28	Sneha M K	ECE	Sneha
29	Vidhyashree N	ECE	Vidhyashree

SINO	Name	DeParitment	Signature
01	Nischal	AIML	Nischal
02	Rayhan	AIML	Rayhan
03	Kethineni Shivateja	AIML	Kethineni Shivateja
04	Mahesh.M	AIML	Mahesh.M
05	Likith Kumar.B	AIML	Likith Kumar.B
06	Gudipati Mahendra	AIML	Gudipati Mahendra
07	Dhanush.A.M	AIML	Dhanush.A.M
08	Tejas	AIML	Tejas
09	Midhuna Dharshan	AIML	Midhuna Dharshan
10	Hemanth	AIML	Hemanth
11.	pranav.P	AIML	pranav.P
12	Shrishi Akbar	CSE	Shrishi Akbar
13	Tejwini J	CSE	Tejwini J
14	Teppala Sacha	CSE	Teppala Sacha
15	Umme Kulsum	CSE	Umme Kulsum
16	Umme Kulsum	CSE	Umme Kulsum
17	SRIMATHI J	CSE	SRIMATHI J
18	Sandhya S	CSE	Sandhya S
19	Shanthini R	CSE	Shanthini R
20	Touphthi.S	CSE	Touphthi.S
21	Sahana R	CSE	Sahana R
22	Sabah Tabasum	CSE	Sabah Tabasum
23	Rakshith.R	MT	Rakshith.R
24	Nachu Mahesh Kumar	MT	Nachu Mahesh Kumar
25	V.N.karthikeya	MT	V.N.karthikeya
26.	Seikar.V	CSE	Seikar.V
27.	Shasank M	CSE	Shasank M
28.	Niguresh P	CSE	Niguresh P
29.	Shasank Huetly K	CSE	Shasank Huetly K

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03	Garavi M	AIML	Garavi
04	Tasmia Kousar	AIML	Tasmia
05	Rumana Tasheen	AIML	Rumana
06	Shaniqua Afiz	AIML	Shaniqua Afiz
07	Sparsh Goswami	ISE	Sparsh
08	Aaradhya Kumari	ISE	Aaradhya Kumari
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10	Meenakshi Shukla	ISE	Meenakshi
11	Jahnavi K	ISE	Jahnavi
12	A. Harshini	ISE	Harshini
13	A Arshiya	ISE	Arshiya
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17	Nidhi Mahesh	ISE	Nidhi
18	Satwik Bhattacharjee	MT	Satwik
19	Rohith N	MT	Rohith
20	Shaik Sulthan	MT	Sulthan
21	Anisuddh Pratap Singh	MT	Anisuddh
22	Akshay Kshit	MT	Akshay
23	GK Moanas	MT	Moanas
24	Achutha S	MT	Achutha
25	Likith	MT	Likith
26	Srikanth R	MT	Srikanth
27	Jayashankar Y V	MT	Jayashankar
28	Gautham	MT	Gautham
29	Pranav	MT	Pranav
30	Eshu HR	MT	Esu HR

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2	RAMYA.S	ISE	
3	Vaishnavi	ISE	
4.	Tulasi	ISE	
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6.	Rakshitha	ISE	
7.	shwetha	ISE	
8.	srushti	ISE	
9.	Ruchitha	ISE	
10	Priya.H	ISE	
11.	Maulya Juvali	ISE	
12.	Moksha A	ISE	
13.	Shravya M	ISE	
14.	Smita Hegde	ISE	
15.	Nidhi M	ISE	
16.	Saikam Kaishna Peddy	ISE	
17.	Murali .N	ISE	
18.	Sahas. B.R	ISE	
19	Renuka. M.D	ISE	
20	Ranjith.P	ISE	
21	Rakshith.D	ISE	
22	Rakith Kumar. K.	ISE	
23	Venkatraman.	ISE	
24	Renuka. D.D	ISE	
25.	Chiranjeev. M.M	ISE	
26	Rupesh.H.R	ISE	
27	Vinay Kumar	ISE	
28	Uday Shankar Sai.M.	ISE	
29	Sachin G.R	ISE	
30	Rakesh Sathar	ISE	

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BANGALURU-560068

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Bommanahalli, Hosur Road
BANGALURU-560068

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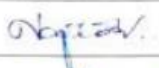


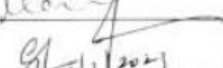
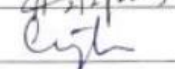
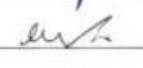

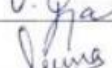

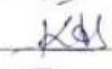








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Bommanahalli, Hosur Road
BANGALURU-560068

Workshop on "Robo Flagship Product Development for Better Innovation Opportunities" on 2 nd and 3rd February 2023 from 09:00 AM to 05:00 PM

List of Participants

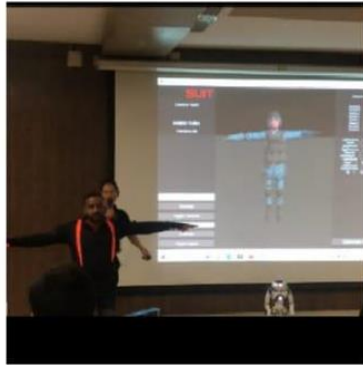
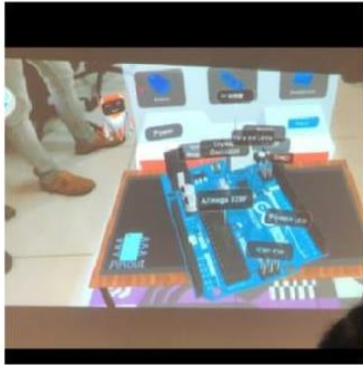
SL. No..	Name	Dept.	Sign
1.	Dr. R. Ch. A Naidu	CSE	
2.	Dr. K. Tharaka Ramesh	MBA	
3.	Dr. M. Mallekumar	CV	
4.	Dr. Manjiv Sini	ICE	
5.	Dr. Gangavathi P	S&H	
6.	Dr. Mangula C	MTE	
7.	Dr. Vanajaroselin	ISE	
8.	Lijesh Naidu	MCA	
9.	Dr. V. Vijaya Kumari	Dean, Academic	
10.	Seema V	MTE	
11.	Annu Kumari	Mechatronics	
12.	Arun Selvi K	AIML	
13.	R. Priya Mary	ISE	
14.	Shi Roopini V	AIML	
15.	G. Manita Sharon	EEE	
16.	Dr. P. Bindhu Harini	AIML	
17.	Dr. Preeta	Dean Res	
18.	Jaideep R	MTE	

Two Day Workshop on “Robo Flagship Product Development for Better Innovation Opportunities” on 02/02/23 & 03/02/23





Bangalore,KA,India
Bommanahalli, Bangalore, 560068
India
Lat 12.901860, Long 77.630377
02/02/2023 11:07 AM GMT+05:30





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(Approved by AICTE , New Delhi , Accredited NBA , New Delhi Affiliated V T U Belgaum)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Certificate of Participation

This is to certify that

Mrs Annu Kumari

has actively participated in the **Two Day Workshop on "Robo Flagship Product Development for Better Innovation Opportunities"** on conducted by the Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering from **02/02/2023 to 03/02/2023.**

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Certificate of Participation

This is to certify that

Mrs Seema V

has actively participated in the **Two Day Workshop on "Robo Flagship Product Development for Better Innovation Opportunities"** on conducted by the Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering from **02/02/2023 to 03/02/2023.**

PRINCIPAL



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Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 06-03-2023

CIRCULAR

This is to inform you that the department of Artificial Intelligence and Machine Learning is organizing A **Two Day Workshop on on Innovation Opportunities through AI-Computer Vision and Image Processing using Python ”** on 09/03/23 & 10/03/23 All the faculty members are informed to attend the workshop and make the best use of it.


HOD
HEAD OF THE DEPARTMENT
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Innovation Opportunities through AI-Computer Vision and Image Processing using Python



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**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

Department of Artificial Intelligence & Machine Learning

Organizing

**Workshop on Innovation Opportunities through AI-Computer Vision and Image
Processing using Python**

On

9th & 10th March 2023 @ 10:00 AM – 05:00 PM by

Mr. Jithesh Kurian,

AI Domain Expert & Corporate Trainer, Inflow Technologies Pvt. Ltd

In Association with

INSTITUTIONS INNOVATION COUNCIL

The Oxford College of Engineering

Sri S.N.V.L.Narasimha Raju

Chief Patron

President

The Oxford Educational Institutions

Dr. N. Kannan

Principal & President IIC

The Oxford College of

Engineering

Dr P. Bindhu Madhavi

IIC Convener

The Oxford College of

Engineering

Arun Selvi K

IIC Member

The Oxford College of

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Workshop on Innovation Opportunities through AI-Computer Vision and Image Processing using Python



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Principal & President IIC

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Engineering

Dr P. Bindhu Madhavi

IIC Convener

The Oxford College of

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Arun Selvi K

IIC Member

The Oxford College of

Engineering

The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with Department of Artificial Intelligence and Machine Learning organized a “Workshop on Innovation Opportunities through AI-Computer Vision and Image Processing using Python” on 9th and 10th March 2023 from 10:00 AM to 05:00 PM by Mr. Jithesh Kurian.

Mr. Jithesh Kurian is a Data Science Trainer at Cranes Varsity, Bangalore, Karnataka, India. His Area of Research includes Tensor Flow, Data Visualization, Data Analysis, Machine Learning Algorithms, Artificial Neural Networks, Computer Vision, Deep Learning. He is a AI Domain Expert and Corporate Trainer at Cranes Varsity (A Division of CSIL) Inflow Technologies Pvt

Ltd. He completed Master of Computer Applications - MCA from Anna University in the field of Computer Science. He has been an Artificial Intelligence Developer in Brain Tribes

OBJECTIVES:

The main objective of the workshop is to provide Practical exposure on Innovation opportunities under Computer Vision and Image Processing using Python. Computer vision is a field of artificial intelligence (AI) that enables computers and systems to derive meaningful information from digital images, videos and other visual inputs and take actions or make recommendations based on that information. If AI enables computers to think, computer vision enables them to see, observe and understand. Computer vision works much the same as human vision, except humans have a head start. Human sight has the advantage of lifetimes of context to train how to tell objects apart, how far away they are, whether they are moving and whether there is something wrong in an image.

Day 1:

The session started with the introduction to Machine Learning and its algorithms. He clearly explained about the concept of machine learning and its types. Machine learning is a branch of artificial intelligence (AI) and computer science which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy. Machine Learning is an application of Artificial Intelligence that enables systems to learn from vast volumes of data and solve specific problems. It uses computer algorithms that improve their efficiency automatically through experience. Then he discussed about the types of machine learning techniques which are as follows: Supervised, Unsupervised, and Reinforcement Learning. Supervised learning is a type of machine learning that uses labeled data to train machine learning models. In labeled data, the output is already known. The model just needs to map the inputs to the respective outputs. Under supervised learning technique he explained about the Support Vector Machine Algorithm. Support vector machine is comparably memory systematic. Support Vector Machine (SVM) is a powerful supervised machine learning algorithm with several advantages like handling high-dimensional data, which is common in many applications such as image and text classification and can also be dealt with small

dataset as they only require a small number of support vectors to define the boundary. He also demonstrated few of the real-time supervised learning applications such as weather prediction, sales forecasting, stock price analysis using jupyter notebook by providing the appropriate dataset. He explained the working of SVM algorithm by using the libraries like pandas, numpy and matplotlib in python. The students were able to view the output of the results in the form of a graph with the help of matplotlib library.

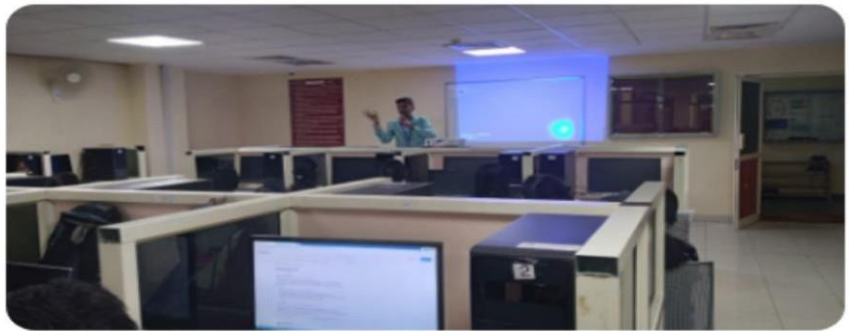
Day 2:

The session started with the importance of image processing and computer vision using OpenCV library. OpenCV – Open Source Computer Vision is one of the most widely used tools for computer vision and image processing tasks. Using SVM algorithm, the students were able to determine the classification of Iris Flower dataset. They were able to build a model and predict the accuracy for the model. The students were able to get a hands-on experience with python and was able to determine the accuracy and make predictions based on the dataset provided. They were able to split the data into training and test data and perform the predictions. He gave the students an insight of how the machine learning algorithm works with images using opencv library.

OUTCOMES:

The outcome of the workshop is to provide a practical exposure to students in the field of AI on Computer vision and image processing. The students learnt the basic concepts of Machine learning and were able to use the Iris flower dataset to build a model and make predictions based on accuracy. Further they got a clarity on SVM supervised machine learning technique and were able to plot graphs using matplotlib library. The final outcome of the session is that the students were exposed to the algorithms and image processing techniques using computer vision. Students were benefited with the knowledge of machine learning and computer vision libraries and were able to obtain the results based on the outcomes.

Around 54 students and 20 faculty members participated in the workshop.



Video link:

https://drive.google.com/file/d/1b-cvCwFtIZ5ymzCMWLA0keorNbX5_GGV/view?usp=sharing

Face Book Link:

<https://www.facebook.com/photo.php?fbid=265127149372669&set=pb.100076261560657.-2207520000.&type=3>





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Workshop on "AI on Computer Vision and Image Processing using Python"
on 09.03.2023

ATTENDANCE SHEET

Faculty - Attendance:

No.	Name	Department	Signature
1.	Arun Selvi	AIML	
2.	D. Suganya	AIML	
3.	Roopini	AIML	
4.	Nisha C Rami	EEE	
5.	Dr. B. Devi	EEE	
6.	Resna S.R.	EEE	
7.	Jaideep	MTE	
8.	Seema V.	MTE	
9.	Annu Kumari	MTE	
10.	Liza Wilson	MCA	
11.	Indu K-S	ISE	
12.	Vishalini	ISE	
13.	Yadhu Krishna	ISE	
14.	Channappa Gowda	ISE	
15.	Sumitha T.L	EEE	
16.	Raichel Ruby	EEE	
17.	Laya Tojo	ECE	
18.	R Preeja Mary	ISE	
19.	N Jayakumar	EEE	
20.	Raghu R.	CSE	
21.			



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P. No: 0219621 002 004 736, Fax: 080 - 2574051/ 30219629 E-mail: ugrregcol@theoxford.edu Web: theoxfordce.org

Workshop on "AI on Computer Vision and Image Processing using Python"
on 09.03.2023

ATTENDANCE SHEET

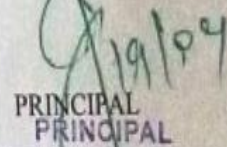
S/n	Name	USN	Sem	Signature
1	Reetika Jainwal	-	3 rd	
2	Meghana M.S	-	3 rd	
3	Arun Selvi K	-	Faculty	
4	D. Suganya	-	Faculty	
5	Roopini	-	Faculty	
6	Kedhan Mehta	10X21A1007	3 rd	
7	Sumitha Sridha	10X21A1039	3 rd	
8	Namitha G G dadas	10X21A1022	3 rd	
9	Bakshitha S	10X21A1021	3 rd	
10	Jyothika S	-	3 rd	
11	Ganavi	10X21A1006	3 rd	
12	Priya Dhanashini	10X21A1025	3 rd	
13	Sushma	10X21A1040	3 rd	
14	Preeti	10X21A1029	3 rd	
15	Rumana Taher	10X21A1048	3 rd	
16	Ganesh A.A	-	3 rd	
17	Sagar Senth	-	3 rd	
18	Vijay A.P	-	3 rd	
19	Ketheeth. Senthis	-	3 rd	
20	Poojwal. K.M	-	3 rd	
21	Mohit S	10X21A1021	3 rd	
22	Dhanush	10X21A1005	3 rd	
23	Nilina eddy	10X21A1026	3 rd	
24	Mohammed Taher	-	3 rd	
25	Tejas. N. P	10X21A1044	3 rd	
26	Prithi	10X21A1017	3 rd	
27	Mahendra	10X21A1007	3 rd	
28	Shivateja	10X21A1013	3 rd	
29	Shankar. R	10X21A1035	3 rd	
30	Chandan G.R	10X21A1005	3 rd	
31	Punith Sumar	10X21A1030	3 rd	
32	Likith Kumar	10X21A1016	3 rd	
33	Pranav	10X21A1028	3 rd	
34	Harisha	10X21A1028	3 rd	

35.	Tarmia	10X21A104	3rd	Tarmia
36.	Mir Muhammad Nadeem	10X21A104	3rd	Mir Muhammad Nadeem
37.	U. Chetan	10X21A104	5th	U. Chetan
38.	Sal Kishore	10X21A104	2nd	Sal Kishore
39.	Hemant NB	10X21A104	3rd	Hemant NB
40.	Venkat Raju	10X21A104	3rd	Venkat Raju
41.	Sharada	10X21A104	3rd	Sharada
42.	Soundarya	10X21A104	3rd	Soundarya
43.	Haritha Shya	10X21A104	3rd	Haritha Shya
44.	Bhumiya	10X21A104	3rd	Bhumiya
45.	Jeevan	10X21A104	3rd	Jeevan
46.	Krithika Kalyan	10X21A104	2nd	Krithika Kalyan
47.	L Shwetha	10X21A104	3rd	L Shwetha
48.	Mithunadharan	10X21A104	3rd	Mithunadharan
49.	Mohammed Fayaz	10X21A104	2nd	Mohammed Fayaz
50.	Naveen	10X21A104	2nd	Naveen
51.	Nischal	10X21A104	2nd	Nischal
52.	Sangamesh	10X21A104	2nd	Sangamesh
53.	Shalibul	10X21A104	2nd	Shalibul
54.	Shrawan	10X21A104	2nd	Shrawan
55.	Swathi	10X21A104	3rd	Swathi
56.	Thamaya	10X21A104	3rd	Thamaya
57.	Raj gaur		3rd	Raj gaur
58.				
59.				
60.				


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T. No: 0219621962/021962736, Fax: 080-25740511/ 0219629 E-mail: enquiries@oxfordcollegeofeng.edu Web: www.oxfordcollegeofeng.edu

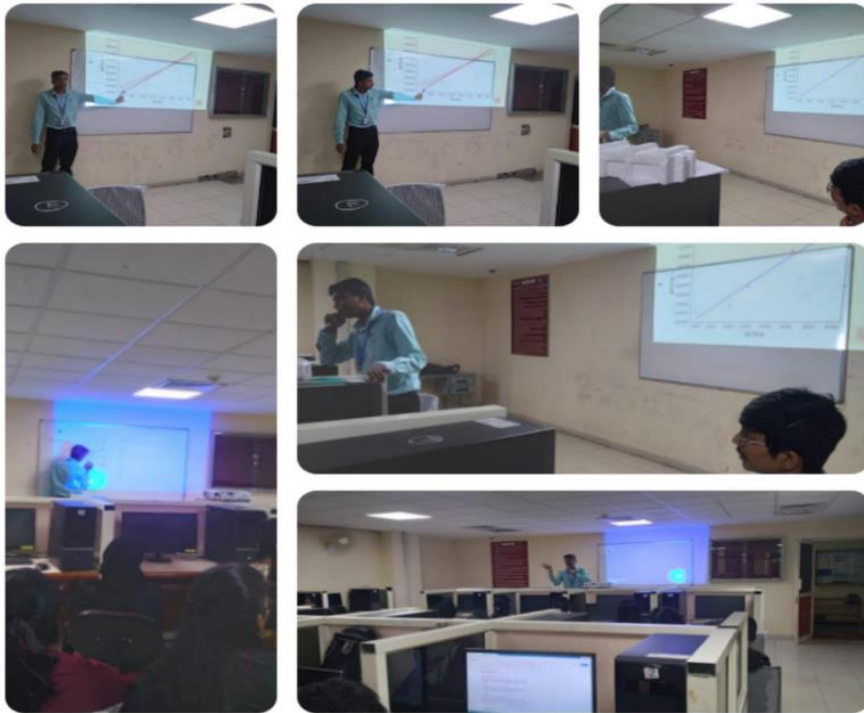
Workshop on "AI on Computer Vision and Image Processing using Python"
on 09.03.2023

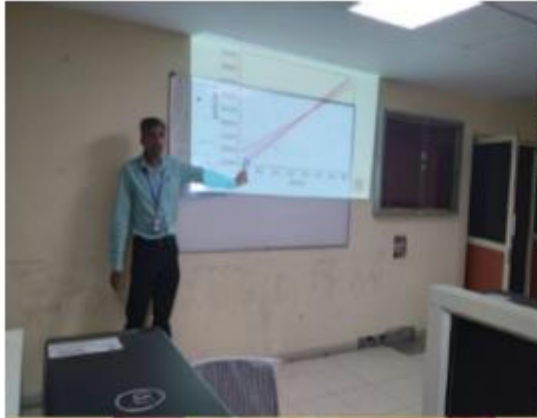
ATTENDANCE SHEET

Faculty - Attendance:

No.	Name	Department	Signature
1.	Arun Selvi	AIML	
2.	D. Suganya	AIML	
3.	Roopini	AIML	
4.	Nisha.C.Rani	EEE	
5.	Dr. B. Devi	EEE	
6.	Resna.S.R	EEE	
7.	Jaideep	MTE	
8.	Seema.V	MTE	
9.	Annu Kumari	MTE	
10.	Liya Wilson	MCA	
11.	Indu K.S	ISE	
12.	Vishalini	ISE	
13.	Yadhu Krishnan	ISE	
14.	Channappa Gowda	ISE	
15.	Sumitha.T.L	EEE	
16.	Raichel Ruby	EEE	
17.	Laya Tojo	ECE	
18.	R Preeja May	ISE	
19.	N Jayakumar	EEE	
20.	Raghu.R.	CSE	

“Workshop on Innovation Opportunities through AI-Computer Vision and Image Processing using Python” on 9 th and 10th March 2023







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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Certificate of Participation

This is to certify that

Resna S R

has actively participated in the Two days workshop on **Innovation Opportunities through AI-Computer Vision and Image Processing using Python** conducted by the Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering, from **09/03/2023 to 10/03/2023**.

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Certificate of Participation

This is to certify that

Nisha C Rani

has actively participated in the Two days workshop on **Innovation Opportunities through AI-Computer Vision and Image Processing using Python** conducted by the Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering, from **09/03/2023 to 10/03/2023**.

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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 21-03-2023

CIRCULAR

This is to inform you that the department of Artificial Intelligence and Machine Learning is organizing **Workshop on “Business Model Canvas for Social Media”** on 23/03/2023 All the faculty members are informed to attend the workshop and make the best use of it.

HOD-MCA

The Head
Department of MCA
The Oxford College of Engineering
Hosur Road, BANGALORE -



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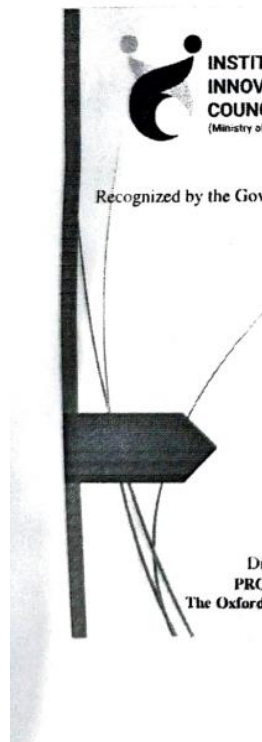
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Program Schedule and Resource Person


Workshop on Business Model Canvas for Social Media" on 23" March 2023.

SL No	Date	Time	Resource Person
1	23/03/2023	10:00 AM to 04:00 PM	Dr. Suchithra Nair Prof& Head CSE, Jain University

Business Model Canvas for Social Media" on 23" March 2023



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Department of Computer Applications (MCA)
organizing

Session on **"Business Model Canvas on how to use Social Media"**

IN ASSOCIATION WITH IIC, ON **March 23, 2023 10:00 AM on words**

RESOURCE PERSON
Dr. Suchithra Nair.
Prof. & Head, CSE, Jain University.
Bangalore

Dr. Puja Shashi
PROFESSOR, MCA
The Oxford College of Engineering

Dr. Bindu Muthavi
IIC Coordinator
The Oxford College of Engineering

Dr. N KANNAN
Principal & President, IIC
The Oxford College of Engineering



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BENGALURU, INDIA



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AND ACCREDITATION COUNCIL

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(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belgaum)

Hosur Road, Bommanahalli, Bengaluru-560 068

Website: www.theoxfordengg.org

Department of MCA, The Oxford College of Engineering is association with ICC organized an one day workshop on "Business Model Canvas for Social Media" on 23rd March 2023. The event has been kick-started with a formal Inaugural function, the following dignitaries were present and motivated the students.

- Dr. Suchithra Nair Prof & Head CSE, Jain University.
- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. Puja Shashi, Head-MCA, The Oxford College of Engineering

Business Model Canvas for Social Media:

Social media platforms are a crucial component of the digital economy, with millions of users worldwide. To build a successful social media business, it is essential to have a clear and concise business model. The Business Model Canvas is a strategic management tool that helps to visualize and describe the key elements of a business model. Here is an overview of the Business Model Canvas for social media:

Key Partnerships: Social media platforms rely on partnerships with other businesses to provide value to their users. These partnerships can be with content creators, advertisers, and technology providers.

Key Activities: The key activities of social media platforms are creating and maintaining the platform, content moderation, and data analysis.

Key Resources: The key resources for social media platforms are the technology infrastructure, data storage, and content moderation systems.

Value Proposition: The value proposition of social media platforms is the ability to connect users with their peers and provide a platform for sharing information, content, and ideas.

Customer Segments: Social media platforms have multiple customer segments, including individual users, businesses, and advertisers.

Channels: The channels for social media platforms are the web and mobile applications that allow users to access the platform.

Customer Relationships: Social media platforms rely on user engagement and community building to establish long-term relationships with their customers.

Revenue Streams: Social media platforms generate revenue through advertising, premium features, and data monetization.

Cost Structure: The cost structure for social media platforms includes technology infrastructure, content moderation, data storage, and personnel costs.

Key Metrics: The key metrics for social media platforms are user engagement, active users, retention rate, and revenue per user.

Outcome:

In Outcome, the Business Model Canvas provides a framework for understanding the key elements of a social media business model. By focusing on these elements, social media platforms can create value for their users, partners, and shareholders. To build a successful social media business, it is essential to have a clear understanding of the customer segments, revenue streams, and cost structure. The Business Model Canvas provides a useful tool for visualizing and describing these elements and can help social media platforms to develop a sustainable and profitable business model.



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Hosur Road, Bommanahalli, Bangalore-560068

Department of Computer Applications (MCA)
organizing

Session on **"Business Model Canvas on how to use Social Media"**

IN ASSOCIATION WITH IIC, ON **March 23, 2023 10:00 AM** on words

RESOURCE PERSON

Dr. Suchithra Nair.

Prof. & Head, CSE, Jain University.
Bangalore

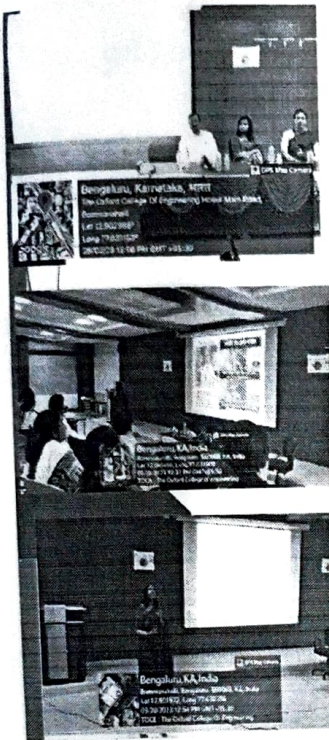
Dr. Bindu Madhavi
IIC Coordinator


The Oxford College of Engineering

Dr. N KANNAN

Principal & President, IIC
The Oxford College of Engineering

Dr. Puja Shashi
PROFESSOR, MCA
The Oxford College of Engineering




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 Kuvempu Road, Bengaluru-560086, Bangalore, India
 Department of Computer Applications (MCA) organizing
Seminar on -Business Model Canvas on how to use Social Media-
 WEDNESDAY 22/03/2023 ON March 23, 2023 10:00 AM at ward
BENEFIT PERSON
Dr. Suchitra Nair,
 Pwv & Head, CSI, Jss University
 Bangalore
 Dr. S. S. MATHAN
 Dr. S. S. MATHAN
 Principal & President, JEC
 The Oxford College of Engineering





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BENGALURU, INDIA

Session on "Business Model Canvas on Social Media"

Participation List

Sl. No	Name of the Participant	Signature	Department
1			
2	Dharamraj		MCA
3	Lizanaisw		MCA
4	JC Ashutosh		MCA
5	AShok DP		Civil
6	Kanya S. I		Civil
7	R. Gayatri		MCA
8	Mangalika T		S&H
9	Dr. Gayathri		ECE
10	Iffat Fatima		S&H
11	Dr. Shreea Bhat		Business, Management & Commerce
12	Prof Navjivandha		S&H
13	Dr. Usha Jivandha		Dentistry
14	Dr. Champa		Dentistry
15	Dr. Sneha		Dentistry
16	A. Diana		ISE
17	Satya. H		CSE
18	Shanthi K. Reddy		CSE
19	M. Ramya Sri		CSE
20	Mridala Shukla		MCA
21	Nisha C. Rami		EEE
22	Dr. B. Devi Vigneshwar		EEE

Session on "Business Model Canvas on Social Media"

Participation List

Sl. No	Name of the Participant	Signature	Department
1.	V. Shrivani	Shrivani	MCA
2.	Haushitha.V	Haushitha.V	MCA
3.	Tejaswini K	Tejaswini K	MCA
4	Pallavi N A	Pallavi N A	MCA
5	Benny	Benny	ERA
6	Ajin	Ajin	EC
7	Manoj Kumar.G	Manoj Kumar.G	EEE
8	Manoj Kumar N	Manoj Kumar N	ECE
9	Ashoka	Ashoka	ECE
10	Nihal.H	Nihal	CSE
11.	Yashwanth.Sk	Yashwanth.Sk	MBA
12.	Agith.S	Agith.S	ISE
13.	Ankur Kumar	Ankur	CSE
14	Bhuvanesh P Acharya	Bhuvanesh P Acharya	CSE
15	Kiran	Kiran	MBA
16	Maruthi Prasad HA	Maruthi Prasad HA	MBA
17	Lingeswaran.A	Lingeswaran.A	civil
18	Bharath yadav.T	Bharath yadav.T	Civil
19	Prabhalad.S.P	Prabhalad.S.P	ISE
20	Vishnumurthy	Vishnumurthy	ISE
21	GIRISH.R	GIRISH.R	MCA
22	ADARSH.M	ADARSH.M	MCA

23	ABHILASHA DN	<u>Abhil</u>	MCA
24	Adarsh Kumar T.G	<u>Adarsh</u>	MCA
25	CHETHANA. R	<u>Chethana</u>	MBA
26	PAVAN YADAV. K.S	<u>Pavan</u>	MBA
27	Vinoda Y.c	<u>Vinoda Y.c</u>	MBA
28	Sandeep.S	<u>Sandeep</u>	CSE
29	Bhuthwiraj. D	<u>Bhuthwiraj</u>	MCA
30	pradeep.P	<u>Pradeep</u>	MCA
31.	Kanuma Yaswanth Reddy	<u>Kanuma</u>	ECE
32.	Ranjith Kumar. K	<u>Ranjith</u>	ECE
33	Prayimal R Shetty	<u>Prayimal</u>	CSE
34	IMRAN ALI WANI	<u>Imran</u>	ME
35	FAIZAN AHMAD MIR	<u>Faizan</u>	CV
36	Monika. S	<u>Monika</u>	MBA
37	Shalini. S.M	<u>Shalini</u>	MBA
38	Ranjitha R	<u>Ranjitha</u>	MBA
39	Sibkajit	<u>Sibkajit</u>	BT
40	Sakshin Kumar. S	<u>Sakshin</u>	BT
41	Shravani. N	<u>Shravani</u>	MBA
42	Bahana. H. M	<u>Bahana H. M.</u>	MBA.
43	AAPHNE PRIYA	<u>Aaphne</u>	CSE
44	Ashwene M S	<u>Ashwene</u>	CSE
45	Gayathri. K	<u>Gayathri</u>	CSE
46	Chandana. T	<u>Chandana</u>	ISE
47	Veena K.A	<u>Veena K.A</u>	ISE.

48.	Anurtha.M.A	anurtha.M.A	BT
49.	Deepika	<u>Deepika</u>	BT
50	Gretal.N	<u>Gretal</u>	BT
51	Navya.T.L	<u>Navya</u>	CSE
52	Anjali K.V	<u>Anjali</u>	CSE
53	Ramya.S.S	<u>Ramya</u>	CSE
54	Anushree	<u>Anushree</u>	CSE
55	LOKESH.S	<u>Lokesh</u>	M.T
56	Akshay Kumar.S	<u>Akshay</u>	M.T
57	Nazim Khan	<u>Nazim</u>	EE
58	Shesh Kumar Jajur	<u>Shesh</u>	EE
59	Meghana M Raju	<u>Megha</u>	BT
60	Sahana J	<u>Sahana</u>	BT
61	Vivedhitha S	<u>Vivedhitha.S</u>	BT
62	Deeksha R	<u>Deeksha</u>	BT
63	Yatheesh.N.N.	<u>Yatheesh.N.N.</u>	BT
64	ABHISHEK P	<u>Abhishek</u>	BT
65	Chethan.K	<u>Chethan</u>	ME
66	Udbhav.S.P	<u>Udbhav.S.P</u>	AU
67.	keert'c'	<u>keert'</u>	CV.
68.	B.Indrasena Reddy	<u>B.Indra</u>	ECE
69.	Aishwarya.v	<u>Aishwarya.v</u>	CSE
70.	Hariparan.A	<u>Hariparan.A</u>	CSE
71.	Pavithra S.K.	<u>Pavithra</u>	BT
72.	Sangeetha.B	<u>Sangeetha.B</u>	MBA
73.	Navyashree.C.	<u>Navyashree.c.</u>	MBA
74.	Keerthana H.S	<u>Keerthana H.S.</u>	MCA

75	Sneha.V	Suf	CSE
76	Shalini. G.D	Suf	MCA
77	Shreya satyanayak	Shreya	MCA
78	Priyanka L. Pereira	Pereira	MCA
79.	Maryinath.	Maryinath	CSE
80	Naveen Reddy. G	Naveen	CSE
81	Muralidharan. J.T	Muralidharan J.T	CSE
82	Siddhant Kumar	Siddhant	CSE
83	Dhanush HR	Dhanush	CSE
84	Sathwik N	Sathwik	CSE
85	Sudhakar	Sudhakar	CSE
86	SAT HOKUL	SAT HOKUL	CSE



HOD-MCA

The Head
Department of MCA
The Oxford College of Engineering
Hosur Road, BANGALORE -



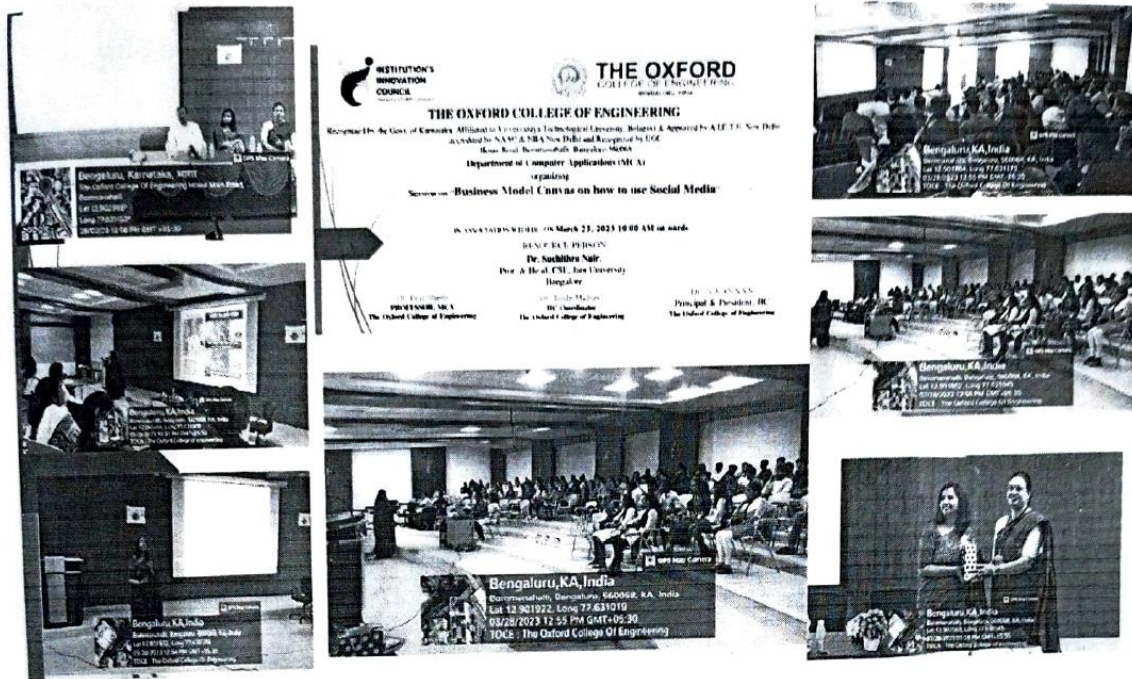
IIC Coordinator



Principal

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Bengaluru-560 066

Workshop on Business Model Canvas for Social Media" on 23" March 2023.





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20	Mridula Shukla		MCA
21	Nisha C. Rami		EEE
22	Dr. B. Devi Vigneshwar		EEE

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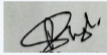
DEPARTMENT OF MASTER OF COMPUTER APPLICATION

Certificate of Participation

This is to certify that

Mr Dharamvir

has actively participated on **Workshop on Business Model Canvas for Social Media** conducted by the Department of Master of Computer Application, The Oxford College of Engineering, on **23/03/2023**.



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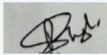
DEPARTMENT OF MASTER OF COMPUTER APPLICATION

Certificate of Participation

This is to certify that

Mr J C Achutha

has actively participated on **Workshop on Business Model Canvas for Social Media** conducted by the Department of Master of Computer Application, The Oxford College of Engineering, on **23/03/2023**.



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Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 28-03-2023

CIRCULAR

This is to inform you that the department of EEE is organizing A **Two day workshop on “Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting”** on 31/03/2023 & 03/04/2023. All the faculty members are informed to attend the workshop and make the best use of it.


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road,
Bangalore-560 068

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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

“Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting”

Program Schedule and Resource Person

SL No	Date	Time	Resource Person
1	31/03/2023	10:00 AM to 04:00 PM	Mr.Subhash chandra D, Design Coordinator SDC Lead Gravity India Technologies Pvt Ltd
2	03/04/2023	10:00 AM to 04:00 PM	Mr.Subhash chandra D, Design Coordinator SDC Lead Gravity India Technologies Pvt Ltd



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Department of Electrical & Electronics Engineering In Association with Institutions Innovation Council

Organizing a Workshop on "Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting"

Date : 31/03/2023 & 03/04/2023
Time : 09:30 AM - 4:00 PM



Resource Person
Mr Subhash Chandra D
Design Coordinator
SDC Lead Gravity India Technologies Pvt Ltd
Bangalore

Chief Patron

Shri. S.N.V.L Narasimha Raju
President,
The Oxford Educational
Institutions,
Bangalore

IIC Member & Faculty
Coordinators

Prof.Jayakumar N
Prof.Nisha C Rani
& **Dr.Devi Vighneshwari**
Dept of EEE TOCE

Convenor

Dr. Bharath V S
HOD / EEE,
The Oxford college of
Engineering

IIC Convener

Dr. Bindhu Madhavi
The Oxford College of
Engineering

Principal &
President IIC

Dr. N.Kannan
Principal,
The Oxford college of
Engineering




THE OXFORD COLLEGE OF ENGINEERING

10TH Milestone, Hosur Rd, Bommanahalli, Bengaluru, Karnataka 560068
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Workshop on “Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting”



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Department of Electrical & Electronics Engineering

In Association with Institutions Innovation Council

Organizing a Workshop on

“Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting”

Date : 31/03/2023 & 03/04/2023

Time : 09:30 AM - 4:00 PM



Resource Person

Mr Subhash Chandra D

Design Coordinator

SDC Lead Gravity India Technologies Pvt Ltd
Bangalore

Chief Patron

Shri. S.N.V.L Narasimha Raju
President,
The Oxford Educational
Institutions,
Bangalore

IIC Member & Faculty Coordinators

Prof.Jayakumar N
Prof.Nisha C Rani
& **Dr.Devi Vighneshwari**
Dept of EEE TOCE

Convener

Dr. Bharath V S
HOD / EEE,
The Oxford college of
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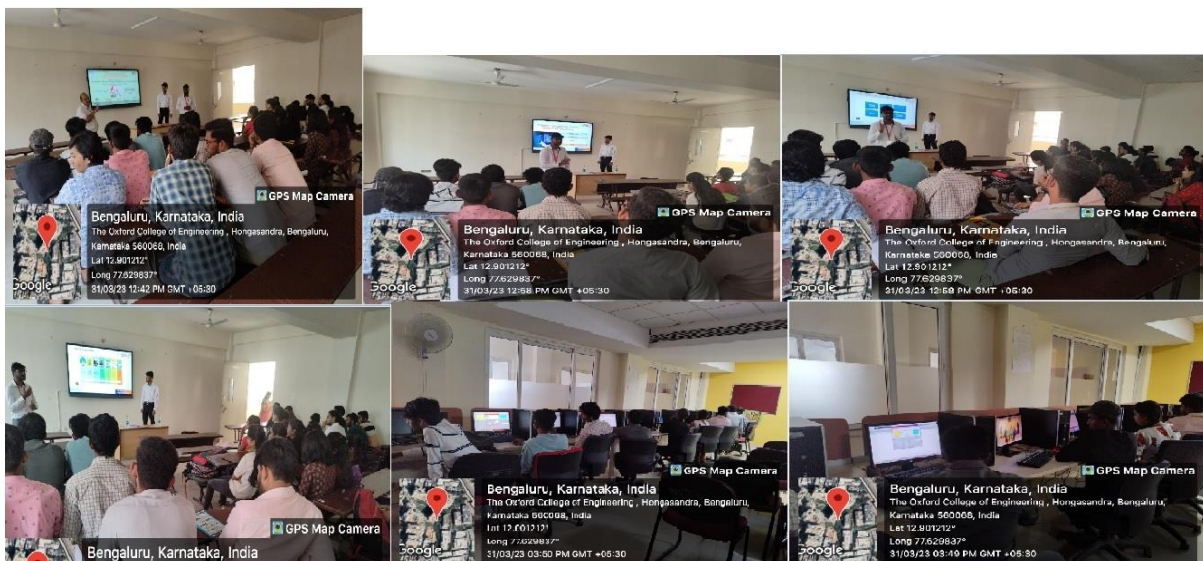
IIC Convener

Dr. Bindhu Madhavi
The Oxford College of
Engineering

Principal & President IIC

Dr. N.Kannan
Principal,
The Oxford college of
Engineering

The Oxford College Of Engineering Bengaluru – Institutions Innovation Council in association with Department of Electrical and Electronics Engineering organized a workshop titled “*Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting*” by Mr.Subhash Chandra D, on 31/03/2023 & 03/04/2023 from 09:30 AM -4:00 PM in offline mode.



Venue: 5th floor Room No N 513, New Building TOCE.

OBJECTIVES:

- To discuss the basics of innovation and design opportunities in the field of Electrical Design & Drafting
- To discuss about the load calculation, demand and balancing
- To motivate students to develop their own design circuits and to give awareness about various opportunities in the electrical design and drafting
- Hands on Training was also given in Electrical CAD & Drafting

AUTOCAD which stands for Computer Aided Drawing for Electrical Engineering is state of-art to do design of all machines in computers, which is used extensively in both academic and industry. It is an interactive program for designing windings and various machine structures provides a very useful tool for almost all areas of engineering especially Electrical, Mechanical and Civil. This Training Program aims at creating familiarization among the participants about CAD by introducing the basic features and commands of the CAD. Laboratory sessions also been conducted in order to enable the participants to get a hands-on experience on the package. It was an interactive session. The seminar was attended by 58 participants including 8 faculties.

The Key Concepts Covered in the workshop:

- Introduction to Electrical Design
- Selection of Wiring, Switches, Sockets, Trays, Trenches and Cables
- Introduction to ECAD, Electrical Legends, Symbols, lighting and power circuit diagram
- Calculation for total connected load, maximum demand, load distribution and balancing
- UPS and inverter sizing and battery sizing
- Introduction to CAD Commands
- Basics about winding and commands in CAD for winding Diagram
- Basics about Single Line diagram, Substations and commands used for drawing them
- About various machine parts and its commands in CAD

Attendance Sheet



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Bommanahalli, Hosur Road, Bangalore -560068.

Department of Electrical & Electronics Engineering

Organizing a Workshop on

**"Innovation & Design Thinking Opportunities in the field of
Electrical Design & Drafting"**

Date: 31/03/2023 & 03/04/2023

S.No	USN/Faculty ID	Name of the Student/ Faculty	Signature
1.	10X21EE019	Vishakha S	
2.	10X21EE010	Nanditha K-C	
3.	10X21EE012	NIKHIL T.P.	
4	10X21EE008	Manjunath.A	
5	10X21EE005	Harsha R	
6	10X21EE021	Vishwas R.gowda	
7.	10X21EE013	Raja kumar Singh	
8.	10X21EE011	Nikhil Sharma	
9	10X21EE018	Uday Kumar A.V	
10	10X21EE002	Chithra shree.M	
11	10X21EE002	Panpana GR	
12	10X21EE006	Harshitha.K	
13	10X21EE003	Deekshitha.T	
14	10X21EE0015	Sneha	
15	10X21EE016	Sumiya Banu.	



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Department of Electrical & Electronics Engineering

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Electrical Design & Drafting"

Date: 31/03/2023 & 03/04/2023

S.No	USN/Faculty ID	Name of the Student/ Faculty	Signature
16	10X21EE017	Syeda Rakath Unni Sa	Syeda R.
17	10X21EE014	Shreye .R	Shreye..
18	10X21EE021	Vishwas R Gow	✓
18	10X21EE007	Likhit .M. Yajman	Likhit.
19	Diploma	Niranjana murthy MS	N
20	Diploma	SANTHOSH.B	Santhosh B
21	Diploma	Thilak KS	Thilak KS
22	Diploma	Thrupathi B.N	Thrupathi.
23	Diploma	B Manohar	B Manohar
24	Diploma	Jnanika. B	Jnanika B
25	Diploma	JEREMY RAJ A	Jeremy Raj A
26	Diploma	Sampath .S.T	Sampath.
27	Diploma	MOHAMMED IMTIAZ AHMED	Mohammed Imtiaz Ahmed
28	Diploma	Venkatesh T.M	Venkatesh
29	Diploma	Vijay Kumar	Vijay Kumar
30	DIPLOMA	SUJITH . K	Sujith



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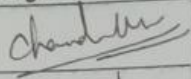
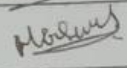
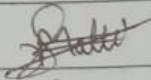
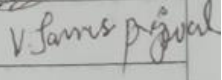
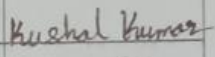
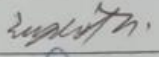
Department of Electrical & Electronics Engineering

Organizing a Workshop on

**"Innovation & Design Thinking Opportunities in the field of
Electrical Design & Drafting"**

Date: 31/03/2023 & 03/04/2023

S.No	USN/Faculty ID	Name of the Student/ Faculty	Signature
01	10X20EE015	Rakshitha.S	Rakshitha.S
02	10X20EE007	Komala.V	Komala.V
03	10X20EE014	Rakshitha.K	Rakshitha.K
04	10X20EE019	Sinchana.R.	Sinchana.R.
05	10X20EE021	Sumed Kour	Sumed Kour
06	10X21EE401	Basappa Kotyad.	Basappa Kotyad.
07	10X20EE016	Rashmi.M	Rashmi.M
08	10X20EE011	Mounashree.S	Mounashree.S
09	10X20EE005	Deepika.K.S	Deepika.K.S
10	10X20EE002	Bhauath kumar.A	Bhauath kumar.A
11	10X20EE403	Prinsh S U	Prinsh S U
12	10X20EE404	Jenu pras ad.VP	Jenu pras ad.VP
13	10X20EE012	Nazim Khan	Nazim Khan
14	10X21EE402	Gangadhars.M	Gangadhars.M
15			

S.No	USN/Faculty ID	Name of the Student/ Faculty	Signature
15.	10X20EE003	chandan M.v	
16.	10X20EE017	shashi kumar raju	
17.	10X20EE009	Malikarjuna.	
18.	10X20EE006	James prajwal.	
19.	10X21EE405	Kushal Kumar.	
20.	10X21EE408	Supriya.	

1	Nisha. C. Rami	Nal	EEE
2	Dr. B. Devi Vigneshwari	Dr. B.	EEE
3	Sumitha T.L	L. H.	EEE
4.	Channappa Gowda	Ch. G.	ISE
5.	Karthik S.L	S. L.	ISE
6	Yadhuvaraha	Y.	ISE
7.	Bindyastree	B.	ISE.
8.	M. Rachel Puly	P. R.	EEE
9	J C Acharya	J. C.	MBA
10	Ashu B.S	A. B.	MBA
11	Lisa Wilson. K	L. W.	MCP
12	Pankaj Meera	P. M.	MCA
13.	Maya Nitha T	M. N.	MCA.
14	JAYAKUMAR V	J. V.	EEE
15	Dr M. Kalhian	M. K.	MBA
16	Dr KTR Reddy	K. R.	MBA
17	Dr. V. S. Bharati	V. S.	EEE
18	Mounika sharan	M. S.	EEG.
19.	Laya Tojo	L. T.	ECE
20	Seema. U	S. U.	MTE
21	Jaidup K	J. K.	MTG.

Resource Person Details:

Mr.Subhash chandra D,

Design Coordinator

SDC Lead Gravity India Technologies Pvt Ltd

9886301600

subhash@gravityindia.com

Mr.Subhash Chandra D is an MEP BIM Engineer He is good in design, estimate systems as per ASHRAE, ISHRAE, NFPA, NBCI, UPC standards. He Carried out Carrier E-20 Heat load calculation using HAP and Excel He is involved in Modelling of equipment & HVAC duct routing He have also involved in Design, drafting and detailing of ducting and equipment's He worked for the preparation of Shop Drawings for execution and fabrication He was involved in the creation of Revit Family He had coordinated with MEP Systems, Clash detection and Solving Also involved in built Drawing Preparations to execute the projects as a valued member of growing organization.

Recording link:

Day1: https://youtu.be/_DQRez8IAEs

Day 2: <https://youtu.be/JHgBeyD-0U8>

Facebook link:

https://m.facebook.com/story.php?story_fbid=pfbid0R1Z4VjFCPsefEq4Yt6bQaFtvtd8uxw9PJDRCKgRGBkjjhpjcWaqLN8MQsZ6Diy7El&id=100076261560657&mibextid=Nif5oz

Outcomes of the seminar:

The workshop “Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting” was mainly focussing on the Design opportunities and steps designing in various electrical systems. Students could learn about how to do Wiring systems by load calculation. Also ECAD & AUTOCAD were introduced. Students got an exposure to innovation and Design ideas through the hands on training session.

The participants are able to

- To identify the different opportunities in the area of electrical drafting
- To get knowledge on various AUTOCAD tools and its design layouts.
- To develop design ideas in the field of electrical drafting

Resource Person Details:

Mr. Subhashchandra D,
Design Coordinator
SDC Lead Gravity India Technologies Pvt Ltd
9886301600
subhash@gravityindia.com

Mr. Subhash Chandra D is an MEP BIM Engineer He is good in design, estimate systems as per ASHRAE, ISHRAE, NFPA, NBCI, UPC standards. He carried out Carrier E-20 Heatload calculation using HAP and Excel. He is involved in Modelling of equipment & HVAC duct routing. He has also been involved in Design, drafting and detailing of ducting and equipment. He worked for the preparation of Shop Drawings for execution and fabrication. He was involved in the creation of Revit Family. He had coordinated with MEP Systems, Clash detection and Solving. Also involved in built Drawing Preparation to execute the projects as a valued member of growing organization.

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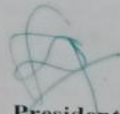
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Faculty Coordinator


HOD/EEE
Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road
Bangalore-560 068


IIC Convener


President IIC
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068


Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting

1	Nisha. C. Rami	Nish	EEE
2	Dr. B. Devi Vigneshwari	B. V.	EEE
3	Sumitha T.L	l h	EEE
4	Channappa Gowda	Ch G	ISE
5	Karthik S.L	K S	ISE
6	Yadhuvarthana	Y V	ISE
7	Bindyastree	B	ISE
8	M. Rachal Pooj	P R	EEE
9	J C Acharya	J C	MBA
10	Ashwini B S	A B	MBA
11	Liza Wilson. K	L W	MCP
12	Pankaj Meron	P M	MCA
13	Manu Anitha T	M A	MCA
14	Jayakumar V	J V	EEE
15	Dr M. Kalhian	M K	MBA
16	Dr KTR Reddy	K R	MBA
17	Dr. V. S. Bharati	V S	EEE
18	Mounika sharan	M S	EEG
19	Laya Tojo	L T	ECE
20	Seema U	S U	MTE
21	Jaideep K	J K	MTG

“Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting”





Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting



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(Approved by AICTE , New Delhi , Accredited NBA , New Delhi Affiliated V T U Belgaum)




DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Certificate of Participation


This is to certify that

Mr N Jayakumar


has actively participated in the Two days workshop on ***Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting*** conducted by the Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering, on **31/03/2023 and 03/04/2023**



HOD





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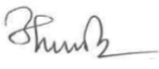
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Certificate of Participation


This is to certify that

Dr B Devi Vighneshwari

has actively participated in the Two days workshop on ***Innovation & Design Thinking Opportunities in the Field of Electrical Design and Drafting*** conducted by the Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering, on **31/03/2023 and 03/04/2023**



HOD



PRINCIPAL

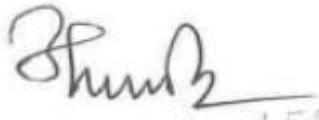


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Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 14-04-2023

CIRCULAR

This is to inform you that the department of EEE is organizing A **Two Week FDP on "Recent Trends in Electrical & Electronics Engineering"** From 17th April to 3rd May 2023) All the faculty members are informed to attend the workshop and make the best use of it.


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road,
Bangalore-560 068

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The Oxford College of Engineering
Dr. K. M. Ravikumar, Director,
The Oxford College of Engineering

Convener
Dr. Bharath V. S., HOD / EEE

Faculty Coordinator
Prof. Jayakumar N, Associate Prof, EEE
Contact Details: 8050837275,
Email Id: webinareeetoce@gmail.com

Organizing Committee

- Dr. B Devi Vigneshwari, Associate Prof
- Prof. Nisha C Rani, Assistant Prof
- Prof. Raichel Ruby, Assistant Prof
- Prof. Sumitha T L, Assistant Prof
- Prof. Resna S R, Assistant Prof

- Free Registration
- E - Certificate for all the Participants
- Faculty/ PG Students / Research Scholars / Industry Persons

Recent Trends in Electrical & Electronics Engineering

REGISTRATION DETAILS

Click the Link for Registration

<https://forms.gle/qDC9rc6E69iroKjc8>

Join Us in the Whatsapp Group for Further Communications

<https://chat.whatsapp.com/Cz4Z4kY3TJAs1RyKwJPI>



Venue : TOCE

Venue of the FDP:
TOCE, Bangalore

- Free Registration
- E - Certificate for all the Participants
- Faculty/ PG Students / Research Scholars / Industry Persons

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Two Week Faculty Development Programme on


Recent Trends in Electrical & Electronics Engineering

17th April 2023 - 3rd May 2023

Organized by
DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING

VISION
With a vision to be a respected and sought after group of educational institutions, we are very much engaged in ensuring individuals to be capable of handling learning opportunities in the new millennium.
MISSION
Our mission is to develop competent students with good values systems to face challenges of the continuously changing world.
QUALITY POLICY
To equip the students with highest standard of education, knowledge and ethics. To prepare them to meet the challenges of life with full confidence. Aim at round development of the personality to be a useful citizens.



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About The Institution

The Oxford College of Engineering is one of the most prestigious institutions in Bengaluru that provides quality teaching and training in professional courses in various streams of Engineering, post graduate programs in Technology (M Tech), Computer Application (MCA) and in Business Administration (MBA) and Research (Ph.D). The college campus is set in a sprawling 6.25 acres of land, ideal for education in a serene environment with buildings over 65,000 sqmeters of built-up area spread over floors for academic purposes. The college is situated along Information Technology corridor in National Highway towards Electronics City (N.H. 7), 1.0 km from the silk board. The college has a dedicated and highly qualified team of faculty who offer quality education to the students as per the academic scheme of VTU. The Oxford College of Engineering offers 10 Under Graduate programs including B Arch, 10 M Tech programs, MBA, MCA & 12 Research Centre leading to Ph D / M Sc. in Engg. The

About EEE Department

The Electrical and Electronics Engineering Department was established in the year 2001 with an intake of 60 students for the Undergraduate program (BE). At present the intake has been enhanced to 120 students, a Post Graduate program (M.Tech) in Power Electronics course was started in 2008 with an intake of 18 students. The VTU Research Centre of the department was started during 2014 and has seen good progress as many scholars have registered for Ph.D. The Electrical and Electronics Engineering Department was accredited by "NATIONAL BOARD OF ACCREDITATION (NBA)" for the first time in the year 2007 and the Accreditation was renewed in the year 2016. The Department of Electrical and Electronics Engineering got NBA Accreditation for the Third time for the duration of three years from 2018 to 2021. The Department is also accredited by NAAC.

OBJECTIVES OF THE FDP

The proposed faculty development programme provides a proper platform to participate for discussion and presentation of the latest technologies and discoveries in the field of Electrical Engineering. This is a quality course providing forum for academicians and industrial professionals to exchange their knowledge and state of art of aforesaid areas. The course content will be taught by eminent experts in the field, having adequate teaching and industrial experience. This course will offer a unique opportunity to the researchers, academicians and students working in this area to acquire knowledge in current and relevant topics in Electrical Engineering. This FDP provides deeper insight and knowledge to the participants about the recent advances in Electrical Engineering field.

OUTCOMES OF THE FDP

- The Participants will be able to start using the techniques for their research & teaching
- They can get in depth knowledge on recent advancement in industry and research

Vision & Mission of EEE Department

Vision:
Equipping Electrical and Electronics Engineering professionals in the cutting edge technologies of Electrical Science to meet the needs of the ever-changing world.

Mission:
M1: To learn and experiment most recent innovations in Electrical and Electronics Engineering related to industry.
M2: To provide state of art facilities for the continuous improvement in teaching-learning process and research activities in multidisciplinary areas.
M3: To emphasize ethics, leadership, entrepreneurship skilled Electrical and Electronics Engineers.

Schedule of the Two Week Faculty Development Programme

Day 1 (17-04-2023 - Monday): Inauguration - 10:30 AM - 11:00 AM
Day 1 (17-04-2023 - Monday): Session 1 - 11:00 AM - 12:30 PM
 PV Weld - Most grid-tied inverters available in India, HOD, IIT, Anna, Bangalore
Day 1 (17-04-2023 - Monday): Session 2 - 1:30 PM - 3:30 PM
 Introduction to Smart Grids Dr. Anand K. Prasad, Dept of EEE, IIT, Bangalore
Day 2 (18-04-2023 - Tuesday): Session 3 - 10:30 AM - 12:30 PM
 Alternative Control of Power Converters in Motor Drives Dr. Suresh, IIT, Bangalore
Day 2 (18-04-2023 - Tuesday): Session 4 - 1:30 PM - 3:30 PM
 Trends in Emerging Vehicle Control using Adaptive Control, Bangalore
Day 2 (18-04-2023 - Tuesday): Session 5 - 10:30 AM - 12:30 PM
 Critical components of SOFC converters for renewable Energy applications, Dr. Anand K. Prasad, Dept of EEE, IIT, Bangalore
Day 3 (19-04-2023 - Wednesday): Session 6 - 10:30 AM - 12:30 PM
 Trends in Emerging Vehicle Control using Adaptive Control, Bangalore
Day 4 (20-04-2023 - Thursday): Session 7 - 10:30 AM - 12:30 PM
 Introduction to Smart Grids Dr. Anand K. Prasad, Dept of EEE, IIT, Bangalore
Day 4 (20-04-2023 - Thursday): Session 8 - 1:30 PM - 3:30 PM
 Recent Trends in VLSI technology in Automotive Applications, Bangalore
Day 5 (21-04-2023 - Friday): Session 9 - 10:30 AM - 12:30 PM
 Research Opportunities in Solar PV Systems, M. S. Prasad, Anna, Bangalore
Day 6 (21-04-2023 - Friday): Session 10 - 1:30 PM - 3:30 PM
 Introduction to Smart Grids Dr. Anand K. Prasad, Dept of EEE, IIT, Bangalore
Day 8 (24-04-2023 - Monday): Session 11 - 10:30 AM - 12:30 PM
 Application of Soft Computing Techniques for Daylight Harvesting in Smart PV, Dr. Anand K. Prasad, Dept of EEE, IIT, Bangalore
Day 9 (24-04-2023 - Monday): Session 12 - 1:30 PM - 3:30 PM
 Challenges in Smart Grids with Smart Grids, Dr. Anand K. Prasad, Dept of EEE, IIT, Bangalore
Day 7 (25-04-2023 - Tuesday): Session 13 - 10:30 AM - 12:30 PM
 An Overview of Electric Vehicles, Dr. V. S. Ravi, Anna, Bangalore
Day 7 (25-04-2023 - Tuesday): Session 14 - 1:30 PM - 3:30 PM
 Power Electronics - A new era in the world of power electronics, Bangalore
Days (28-04-2023 - Wednesday): Session 15 - 10:30 AM - 12:30 PM
 Power Converters for Electric Vehicles, Bangalore
Days (28-04-2023 - Wednesday): Session 16 - 1:30 PM - 3:30 PM
 An Overview of EV (BEV), BEV & Implications of EV on Batteries & its effect on vehicle Performance, Bangalore
Days (27-04-2023 - Thursday): Session 17 - 10:30 AM - 12:30 PM
 Embedded System Challenge and Technical Applications in Automation, Bangalore
Days (27-04-2023 - Thursday): Session 18 - 1:30 PM - 3:30 PM
 Embedded System Challenge and Technical Applications in Automation, Bangalore
Day 10 (28-04-2023 - Friday): Session 19 - 10:30 AM - 12:30 PM
 Image processing techniques applied to Optic disk, Dr. Vijaya Kumar, Dept. Academic TOCE, Bangalore
Day 10 (28-04-2023 - Friday): Session 20 - 1:30 PM - 3:30 PM
 Recent Trends in Photonics, Dr. Preetha Shree, Dept. R&D, The Oxford College of Engineering, Bangalore
Day 11 (02-06-2023 - Tuesday): Session 21 - 10:30 AM - 12:30 PM
 Image processing techniques applied to Optic disk, Dr. Vijaya Kumar, Dept. Academic TOCE, Bangalore
Day 11 (02-06-2023 - Tuesday): Session 22 - 1:30 PM - 3:30 PM
 Recent Trends in Photonics, Dr. Preetha Shree, Dept. R&D, The Oxford College of Engineering, Bangalore
Day 12 (05-06-2023 - Wednesday): Session 23 - 10:30 AM - 12:30 PM
 Recent Advancements in Electrical Power and Energy Systems, Dr. R. Ravi, Professor, Department of EEE, VIT University, Vellore
Day 12 (05-06-2023 - Wednesday): Session 24 - 1:30 PM - 3:30 PM
 Emerging Trends and Applications of Multilevel Inverters in power Electronics, Dr. V. Anandjith Professor (Former Chairman) Department of studies in Electrical Engineering, UNICE, Bangalore
Day 12 (05-06-2023 - Wednesday): Valedictory Function - 03:45 PM - 04:00 PM



THE OXFORD COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
Two Weeks Faculty Development Program
Recent Trends in Electrical & Electronics Engineering
Program Schedule

DAY & DATE / TIME	TIME		AN [1:30PM – 3:00 PM]
	10:30 AM– 12:30 PM		
Day – 1 17-04-23 Monday	Inauguration	Key Note Address – PV Wind – Micro grid Present Scenario Dr.Vidhya, HOD/ EEE, Amrita, Bangalore	Introduction To Micro Grids Dr.Mahesh K Professor, Dept of EEE Sir MVIT, Bangalore
Day – 2 18-04-23 Monday	Nonlinear Control of Power Converters in Micro grid Dr.Tousif Khan, HOD/ EEE, SRM Institute, Andra Pradesh		Hands on Training on Various Controllers Mr.Uday Bhargav, Gened Technologies, Bangalore
Day – 3 19-04-23 Tuesday	Critical comparison of DC-DC converters for renewable Energy applications Dr.Prema V, Associate Prof, Dept of EEE, BMSCE, Bangalore		Hands-on session on simulation of power converters using KiCAD software (open source) Dr.Prema V, Associate Prof, Dept of EEE, BMSCE
Day – 4 20-04-23 Wednesday	Modeling and control of DFIG based wind energy conversion systems Dr. Srikanth Velpula Assistant Professor, KITS, Warngal		Recent Trends in VLSI technologies an Automotive Perspective. Mr Sivaramasubramanian Narayanan, Hardware Technical expert Robert Bosch Engineering and Business Solutions Bangalore
Day – 5 21-04-23 Thursday	Research Opportunities in Solar PV Systems Mr.B. Pradeep Kumar, Assistant Prof KITS, Warangal		Modelling of Solar PV Systems in MATLAB Mr.B. Pradeep Kumar, Assistant Prof KITS, Warangal

Day – 6 24-04-23 Monday	Application of Soft Computing Techniques for Daylight Harvesting Dr.Shreyl Grace Prof, Dept of EEEST Joseph Engineering College, Mangalore	Challenges in Micro grid Interfacing with Grid Dr.Ramesh P. Associate Prof, Dept of EEE, CMRIT, Bangalore	
Day – 7 25-04-23 Tuesday	An Overview of Electric Vehicles Dr V S Bharath ,Professor/HOD, Dept of EEE, TOCE ,Bangalore	Electric Vehicles – A transformation to Ecofriendly Mobility Mr Bharath , Manager Sour Urja Vehicle Challenge.	
Day –8 26-04-23 Wednesday	Power Converters for Electric Vehicles Mr N Jayakumar ,Assistant Professor, Dept of EEE, TOCE ,Bangalore	An overview of EV (2W), BMS & Importance Of Li-ion Batteries & it's effect on various Parameters Ms Srilekha N, Electronics Engineer, Orxa Energies High performance EVs and Battery solutions	
Day –9 27-04-23 Thursday	Embedded System Challenges and Electrical Applications in Automotive. Mr Shamin Dudu TS ,General Manager, Power train Emobility, Robert Bosch Engineering and Business solutions Ltd Bangalore	Hands-on Arduino – Introduction to arduino and its programming in IDE Dr Devi Vighneshwari ,Professor/HOD, Dept of EEE, TOCE ,Bangalore	
Day –10 28-04-23 Friday	Image processing techniques applied to Optic disk.. Dr. Vijaya Kumari, Dean Academics The Oxford College of Engineering	Recent Trends in Photnics . Dr Preeta sharan , Dean R&D , The Oxford College of Engineering	
Day –11 02-05-23 Tuesday	Design and Development -Prototyping on Electronic Products Mr Krishna Das Engineering Manager, Bosch Sample Shop Bosch Global Software Technologies Ltd, Coimbatore	Silicon Carbide-Insights to an Emerging Technology in the field of Power Electronics Engineering Group Manager at Bosch Engineering and Business Solutions Bengaluru	
Day –12 03-05-23	Recent Advancements in Electrical Power and Energy System. Dr K Ravi, Professor, Department of Electrical Engineering , VIT University ,Vellore	Emerging Trends and Applications of Multilevel Inverters in power	Validactory Function.

Wednesday

Engineering , VIT University ,Vellore

Electronics. Dr Y R Manjunatha
Professor (Former Chairman)
Department of studies in Electrical
Engineering ,UVCE, Bangalore

Program Coordinator
Dr.B.DeviVigneshwari
Associate Prof, Dept of EEE

Convenor
Dr.Bharath V S
HOD / EEE

Professor & Head EEE
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Website: www.theoxford.edu.

Academic year 2022 -23

Report on

**Two Week FDP on "Recent Trends in Electrical & Electronics Engineering
(17th April to 3rd May 2023)**

The Faculty Development Program was conducted from 17.04.2023 to 03.05.2023(12 days) in an effective manner and was very successfully completed with the support and encouragement of our Management, Directors, Principal, Conveners and all the Head Of Departments, Co-ordinators. All the faculty members, students supported a lot to make this event successful which enhance the knowledge as well as brought the results of team work. All the sessions were conducted in offline mode in TOCE.

A two week Faculty Development Program (FDP) on Recent Trends in Electrical & Electronics Engineering was organized at the Department of Electrical and Electronics Engineering, The Oxford College of Engineering Bangalore from 17thApril 2023 to 3rdMay 2023 The main objective of this program is to make the participants aware of the recent trends in Electrical Engineering so that they can update their knowledge in this area and explore for further research. The objective also included that the knowledge gained and shared would help the faculties to guide students to pursue their career and research works. The FDP was attended by 31 faculty members of EEE, ECE, MTE, ISE &CSE.

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Chairman,
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The Oxford College of Engineering
Dr. K. M. Ravikumar, Director,
The Oxford College of Engineering

Convener

Dr. Bharath V. S., HOD / EEE

Faculty Coordinator

Prof. Jayakumar N, Associate Prof, EEE
Contact Details: 8050837275,
Email Id: webinareetoce@gmail.com

Organizing Committee

- Dr. B Devi Vigneshwari, Associate Prof
- Prof. Nisha C Rani, Assistant Prof
- Prof. Raichel Ruby, Assistant Prof
- Prof. Sumitha T L, Assistant Prof
- Prof. Resna S R, Assistant Prof

- Free Registration
- E - Certificate for all the Participants
- Faculty/ PG Students / Research Scholars / Industry Persons

Recent Trends in Electrical & Electronics Engineering

REGISTRATION DETAILS

Click the Link for Registration

<https://forms.gle/qDC9rcdE69iroKjc8>

Join Us in the Whatsapp Group for Further Communications

<https://chat.whatsapp.com/Cz4Z4kY3TJAs1RyKwJPT>



Venue : TOCE

Venue of the FDP:
TOCE, Bangalore

- Free Registration
- E - Certificate for all the Participants
- Faculty/ PG Students / Research Scholars / Industry Persons

https://www.instagram.com/toce_bangalore <http://www.facebook.com/tocebangalore>

Oxford's Education Society (Regd.)
The Oxford College of Engineering
New Road, Bengaluru-560025 | Phone: 080-61754600 | Fax: 080-60216029
(Approved by AICTE, Accredited by NAAC, AACSB, and ISO 9001:2015)

Two Week Faculty Development Programme on

Recent Trends in Electrical & Electronics Engineering
17th April 2023 - 3rd May 2023

Organized By
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

 **Electrical Engineering**

VISION
With a vision to be a respected and sought after group of educational institutions, we are very much engaged in equipping individuals to be capable of building learning organization in the new millennium.

MISSION
Our mission is to develop competent students with good value systems to face challenges of the continuously changing world.

QUALITY POLICY
To meet the students with highest standard of education, knowledge and ethics. To prepare them to meet the challenges of life with full confidence. Aim at all round development of the personality to be useful citizens.

Institute Vision & Mission



Call For Admissions: [080-61754600](tel:080-61754600) / [603 / 601 / 602 / 604](tel:603601602)
Website: <http://www.theoxford.edu/engineering/index.htm>

About The Institution

The Oxford College of Engineering is one of the most prestigious institutions in Bengaluru that provides quality teaching and training in professional courses in various streams of Engineering, post graduate programs in Technology (M Tech), Computer Application (MCA) and in Business Administration (MBA) and Research (Ph.D). The college campus is set in a sprawling 6.25 acres of land, ideal for education in a serene environment with buildings over 65,000 sq.meters of built-up area spread over floors for academic purpose. The college is situated along Information Technology corridor in National Highway towards Electronics City (N.H. 7), 1.0 km from the silk board. The college has a dedicated and highly qualified team of faculty who offer Quality education to the students as per the academic scheme of VTU. The Oxford College of Engineering offers 10 Under Graduate programs including B Arch, 10 M Tech programs, MBA, MCA & 12 Research Centre leading to Ph D / M Sc. In Engg. The college has excellent placement.

About EEE Department

The Electrical and Electronics Engineering Department was established in the year 2001 with an intake of 60 students for the Undergraduate program (BE). At present the intake has been enhanced to 120 students, a Post Graduate program (M.Tech) in Power Electronics course was started in 2008 with an intake of 18 students. The VTU Research Centre of the department was started during 2014 and has seen good progress as many scholars have registered for Ph.D. The Electrical and Electronics Engineering Department was accredited by "NATIONAL BOARD OF ACCREDITATION (NBA)" for the first time in the year 2007 and the Accreditation was renewed in the year 2016. The Department of Electrical and Electronics Engineering got NBA Accreditation for the Third time for the duration of three years from 2018 to 2021. The Department is also accredited by NAAC.

OBJECTIVES OF THE FDP

The proposed faculty development programme provides a proper platform to participate for discussion and presentation of the latest technologies and discoveries in the field of Electrical Engineering. This is a quality course providing forum for academicians and industrial professionals to exchange their knowledge and state of art of aforesaid areas. The course content will be taught by eminent experts in the field, having adequate teaching and industrial experience. This course will offer a unique opportunity to the researchers, academicians and students working in this area to acquire knowledge in current and relevant topics in Electrical Engineering. This FDP provides deeper insight and knowledge to the participants about the recent advances in Electrical Engineering field.

OUTCOMES OF THE FDP

- The Participants will be able to start using the techniques for their research & teaching
- They can get in depth knowledge on recent advancement in industry and research

Vision & Mission of EEE Department

Vision:
Equipping Electrical and Electronics Engineering professionals in the cutting edge technologies of Electrical Science to meet the needs of the ever-changing world.

Mission:
M1: To learn and experiment most recent innovations in Electrical and Electronics Engineering related to industry.
M2: To provide state of art facilities for the continuous improvement in teaching-learning process and research activities in multidisciplinary areas.
M3: To emphasize ethics, leadership, entrepreneurship skilled Electrical and Electronics Engineers.

Schedule of the Two Week Faculty Development Programme

Day 1 [17-04-2023 - Monday]: Inauguration - 10:30 AM - 11:30 AM
Day 1 [17-04-2023 - Monday]: Session 1 - 11:30 AM - 12:30 PM
PV Wind - Muzilgi Prasad Suresh Chandra, HOD, EE, Anna, Bangalore

Day 1 [17-04-2023 - Monday]: Session 2 - 1:30 PM - 3:30 PM
Introduction to Micro Grids Dr. Indira Priyadarshini, Dept of EE, Anna Bangalore

Day 2 [18-04-2023 - Tuesday]: Session 3 - 10:30 AM - 12:30 PM
Nanotech Control of Power Converters in Micro Grids Dr. Sudeep Kulkarni, HOD, EEE, Maharashtra, India, Pune

Day 2 [18-04-2023 - Tuesday]: Session 4 - 1:30 PM - 3:30 PM
Trends on Smart Grids Dr. Suresh Chandra, HOD, EE, Anna Bangalore

Day 3 [19-04-2023 - Wednesday]: Session 5 - 10:30 AM - 12:30 PM
Digital Implementation of DSTATCOM for Sustainable Energy Application Dr. Pratik V. Associate Prof, Dept of EE, Anna, Bangalore

Day 3 [19-04-2023 - Wednesday]: Session 6 - 1:30 PM - 3:30 PM
Renewable Energy Storage Systems using H2/O2 technology Dr. Shreshth K. Associate Prof, Dept of EE, Anna, Bangalore

Day 4 [20-04-2023 - Thursday]: Session 7 - 10:30 AM - 12:30 PM
Renewable Energy Storage Systems using H2/O2 technology Dr. Shreshth K. Associate Prof, Dept of EE, Anna, Bangalore

Day 4 [20-04-2023 - Thursday]: Session 8 - 1:30 PM - 3:30 PM
Recent Trends in VLSI Technologies an Automotive Perspective: Dr. Sumanth Kumar, Maharashtra Technical University, Mumbai, India

Day 5 [21-04-2023 - Friday]: Session 9 - 10:30 AM - 12:30 PM
Research Opportunities in Solid PV Systems: Mr. B. Pradyumn Kumar, Prof. IITM, Mumbai

Day 5 [21-04-2023 - Friday]: Session 10 - 1:30 PM - 3:30 PM
Modeling of Solid PV Systems in MATLAB: Dr. Sumanth Kumar, Maharashtra Technical University, Mumbai, India

Day 6 [24-04-2023 - Monday]: Session 11 - 10:30 AM - 12:30 PM
Application of Soft Computing Techniques for Daylight Harvesting Using Deep Prof. Suresh Chandra, Dept of EEE, Anna Bangalore

Day 6 [24-04-2023 - Monday]: Session 12 - 1:30 PM - 3:30 PM
Challenges in Micro Grids Interacting with Grid Dr. Reshmi P. Associate Prof, Dept of EEE, Anna Bangalore

Day 7 [25-04-2023 - Tuesday]: Session 13 - 10:30 AM - 12:30 PM
An Overview of Electric Vehicles Dr. V. Prasad, Professor, Anna, Anna, Bangalore

Day 7 [25-04-2023 - Tuesday]: Session 14 - 1:30 PM - 3:30 PM
Recent Trends in Electric Vehicles Dr. V. Prasad, Professor, Anna, Anna, Bangalore

Day 8 [28-04-2023 - Wednesday]: Session 15 - 10:30 AM - 12:30 PM
Power Generation in Electric Vehicles Dr. Sumanth Kumar, Maharashtra Technical University, Mumbai, India

Day 8 [28-04-2023 - Wednesday]: Session 16 - 1:30 PM - 3:30 PM
An Overview of EV (PHEV, BEV) & Importance of Li-ion Batteries & its effect on various Parameters Mr. Suresh K. Electronics Engineering Dept, Anna, Bangalore

Day 9 [27-04-2023 - Thursday]: Session 17 - 10:30 AM - 12:30 PM
Renewable Energy Storage Systems using H2/O2 technology Dr. Shreshth K. Associate Prof, Dept of EE, Anna, Bangalore

Day 9 [27-04-2023 - Thursday]: Session 18 - 1:30 PM - 3:30 PM
Renewable Energy Storage Systems using H2/O2 technology Dr. Shreshth K. Associate Prof, Dept of EE, Anna, Bangalore

Day 10 [28-04-2023 - Friday]: Session 19 - 10:30 AM - 12:30 PM
Image processing techniques applied to Opts: dr. Dr. Vijaya Kumar, Dean Academics TOCE, Bangalore

Day 10 [28-04-2023 - Friday]: Session 20 - 1:30 PM - 3:30 PM
Recent Trends in Photonics: Dr. Preeti Sharan, Dean R&D, The Oxford College of Engineering, Bangalore

Day 11 [02-05-2023 - Tuesday]: Session 21 - 10:30 AM - 12:30 PM
Image processing techniques applied to Opts: dr. Dr. Vijaya Kumar, Dean Academics TOCE, Bangalore

Day 11 [02-05-2023 - Tuesday]: Session 22 - 1:30 PM - 3:30 PM
Recent Trends in Photonics: Dr. Preeti Sharan, Dean R&D, The Oxford College of Engineering, Bangalore

Day 12 [03-05-2023 - Wednesday]: Session 23 - 10:30 AM - 12:30 PM
Recent Advancements in Electrical Power and Energy System: Dr. K. Ravi, Professor, Department of EEE, VIT University, Vellore

Day 12 [03-05-2023 - Wednesday]: Session 24 - 1:30 PM - 3:30 PM
Emerging Trends and Applications of Multilevel Inverters in power Electronics: Dr. Y. B. Manjunatha Professor (Former Chairman) Department of studies in Electrical Engineering, JSSCE, Bangalore

Day 12 [03-05-2023 - Wednesday]: Valedictory Function - 03:45 PM - 04:00 PM

Brochure of the 2 week FDP in Recent Trends in Electrical & Electronics Engineering

Inaugural Program of the Faculty Development Program

The FDP started with a formal inaugural session compered by Dr Devi Vighneshwari ,Associate Professor, Dept of EEE , with an invocation song by Rashmi(6th sem EEE student). Dr. Bharath V S, Professor and Head of the Department of Electrical and Electronics Engineering extended a warm welcome to all the respected dignitaries and participants. He also shared his views about the Faculty Development Program and importance of attending such program for the enhancement of knowledge of the faculties and students Introduction to the Faculty Development Program was given by FDP coordinator,N Jayakumar ,Assistant Professor, Dept of EEE.He has highlighted the objectives of the FDP and briefed about the schedule of the program. He also gave a glimpse of the activities going on in EEE dept TOCE.

Objectives

The faculty development programme provides a proper platform to participate for discussion and presentation of the latest technologies and discoveries in the field of Electrical Engineering. This is a quality course providing forum for academicians and industrial professionals to exchange their knowledge and state of art of aforesaid areas. The course content will be taught by eminent experts in the field, having adequate teaching and industrial experience. This course will offer a unique opportunity to the researchers, academicians and students working in this area to acquire knowledge in current and relevant topics in Electrical Engineering. This FDP provides deeper insight and knowledge to the participants about the recent advances in Electrical Engineering field.

Benefits

This FDP aims at equipping the faculty with skills and knowledge that are essential for inculcating values in students and guiding and monitoring their progress towards professional career. From this FDP, faculty learn present technologies in the areas of renewable energy, electric transportation, power electronics, electric drives, control techniques, smart grids, communication protocols, intelligent charging infrastructure, VLSI ,Image processing and Embedded systems. In view of changing scenario under sustainable energy and electric transportation, this FDP aims to put together the speakers from these areas to discuss their knowledge and experience for the listeners to work in years to come. It will provide an

interactive forum for discussion on recent and on-going developments, key issues and challenges, and practices.

Participants Attended

The FDP was attended by 31 participants from various departments of The Oxford College of Engineering.

List of Faculties registered for two week FDP

SL No	Name	Designation	Name of the Institution
1.	Mrs Laya Tojo	Assistant Professor/ECE	TOCE,Bangalore
2.	Dr Chrispin Jiji	Assistant Professor/ECE	TOCE,Bangalore
3.	Mrs Iffat Fathima	Assistant Professor/ECE	TOCE,Bangalore
4.	Mr Jayaraj	Assistant Professor/ECE	TOCE,Bangalore
5.	Mrs Nisha C Rani	Assistant Professor/EEE	TOCE,Bangalore
6.	Mrs Resna S R	Assistant Professor/EEE	TOCE,Bangalore
7.	Mrs Sumitha T L	Assistant Professor/EEE	TOCE,Bangalore
8.	Mrs Raichel Ruby	Assistant Professor/EEE	TOCE,Bangalore
9.	Mr N Jayakumar	Assistant Professor/EEE	TOCE,Bangalore
10.	Dr Manjula C	Assoc Professor/MTE	TOCE,Bangalore
11.	Mr.Jaideep Rukumandan	Assistant Professor/MTE	TOCE,Bangalore
12.	Ms Seema V	Assistant Professor/MTE	TOCE,Bangalore
13.	Ms Annu Kumari	Assistant Professor/MTE	TOCE,Bangalore

14.	Mrs Sheeba Kumari	Assistant Professor/ECE	TOCE,Bangalore
15.	Mrs Vijaya Lakshmi	Assistant Professor/ECE	TOCE,Bangalore
16.	Mrs Sandhya Rai	Assistant Professor/EEE	TOCE,Bangalore
17.	Mrs Nalina Kumari	Assistant Professor/EEE	TOCE,Bangalore
18.	Mrs Ramya Bharati	Assistant Professor/ECE	TOCE,Bangalore
19.	Dr Someswari T	Assistant Professor/EEE	TOCE,Bangalore
20.	Mrs Tina	Assistant Professor/ECE	TOCE,Bangalore
21.	Mrs.Sowmya Padukone	Assistant Professor /ECE	TOCE,Bangalore
22.	Mrs Sreelatha B	Assistant Professor/ECE	TOCE,Bangalore
23.	Mr Prajwal Sinha	Assistant Professor/ECE	TOCE,Bangalore
24.	Mrs Indu KS	Assistant Professor /ISE	TOCE,Bangalore
25.	Dr.Devi Vighneshwari	Assoc Prof./EEE	TOCE,Bangalore
26.	Mrs Vishalini	Assistant Professor /ISE	TOCE,Bangalore
27.	Mr Yadu Krishnan	Assistant Professor /ISE	TOCE,Bangalore
28.	Mr Karthik	Assistant Professor /ISE	TOCE,Bangalore
29.	Mr.Channappa Gowda	Assistant Professor /ISE	TOCE,Bangalore
30.	Mrs. Asha Kumari A	Assistant Professor /CSE	TOCE,Bangalore
31.	Mrs Preeja	Assistant Professor /ISE	TOCE,Bangalore

Schedule and the Resource person

The schedule and the Resource people for the Two week FDP on Recent in Electrical & Electronics Engineering (17th April to 3rd May 2023) is given below.

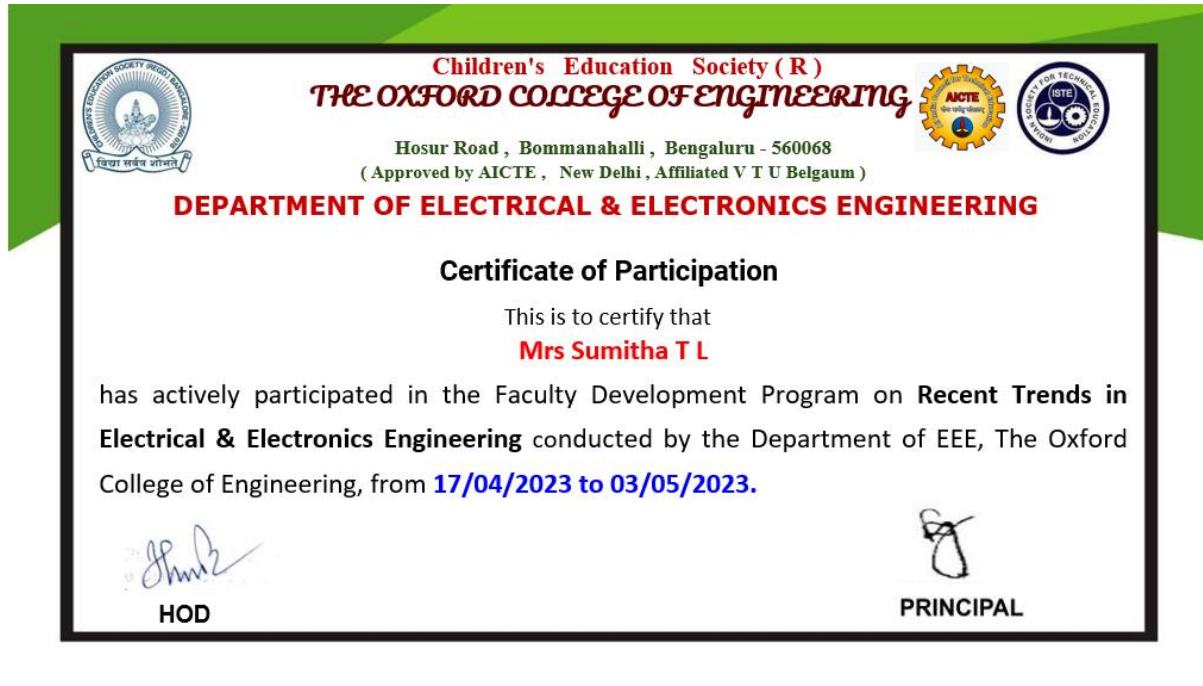
DAY & DATE / TIME	TIME		
	10:30 AM– 12:30 PM		AN [1:30PM – 3:00 PM]
Day – 1 17-04-23 Monday	Inauguration	Key Note Address – PV Wind – Micro grid Present Scenario Dr.Vidhya, HOD/ EEE, Amrita, Bangalore	Introduction To Micro Grids Dr.Mahesh K Professor, Dept of EEE Sir MVIT,Bangalore
Day – 2 18-04-23 Monday	Nonlinear Control of Power Converters in Micro grid Dr.Tousif Khan, HOD/ EEE, SRM Institute, Andra Pradesh		Hands on Training on Various Controllers Mr.Uday Bhargav, Gened Technologies, Bangalore

<p>Day – 3 19-04-23 Tuesday</p>	<p>Critical comparison of DC-DC converters for renewable Energy applications</p> <p>Dr.Prema V, Associate Prof, Dept of EEE, BMSCE, Bangalore</p>	<p>Hands-on session on simulation of power converters using KiCAD software (open source)</p> <p>Dr.Prema V, Associate Prof, Dept of EEE, BMSCE</p>
<p>Day – 4 20-04-23 Wednesday</p>	<p>Modeling and control of DFIG based wind energy conversion systems</p> <p>Dr. Srikanth Velpula Assistant Professor, KITS, Warngal</p>	<p>Recent Trends in VLSI technologies an Automotive Perspective. Mr Sivaramasubramanian Narayanan,Hardware Technical expert Robert Bosch Engineering and Business Solutions Bangalore</p>
<p>Day – 5 21-04-23 Thursday</p>	<p>Research Opportunities in Solar PV Systems</p> <p>Mr.B. Pradeep Kumar,Assistant Prof KITS, Warangal</p>	<p>Modelling of Solar PV Systems in MATLAB</p> <p>Mr.B. Pradeep Kumar,Assistant Prof KITS, Warangal</p>
<p>Day – 6 24-04-23 Monday</p>	<p>Application of Soft Computing Techniques for Daylight Harvesting Dr.Shreyl Grace Prof, Dept of EEEST Joseph Engineering College, Mangalore</p>	<p>Challenges in Micro grid Interfacing with Grid</p> <p>Dr.Ramesh P. Associate Prof, Dept of EEE, CMRIT, Bangalore</p>

<p>Day – 7 25-04-23 Tuesday</p>	<p>An Overview of Electric Vehicles Dr V S Bharath ,Professor/HOD, Dept of EEE, TOCE ,Bangalore</p>	<p>Electric Vehicles – A transformation to Ecofriendly Mobility Mr Bharath , Manager Sour Urja Vehicle Challenge.</p>
<p>Day –8 26-04-23 Wednesday</p>	<p>Power Converters for Electric Vehicles Mr N Jayakumar ,Assistant Professor, Dept of EEE, TOCE ,Bangalore</p>	<p>An overview of EV (2W), BMS & Importance Of Li-ion Batteries & it's effect on various Parameters Ms Srilekha N, Electronics Engineer, Orxa Energies High performance EVs and Battery solutions</p>
<p>Day –9 27-04-23 Thursday</p>	<p>Embedded System Challenges and Electrical Applications in Automotive. Mr Shamin Dudu TS ,General Manager, Power train Emobility, Robert Bosch Engineering and Business solutions Ltd Bangalore</p>	<p>Hands-on Arduino – Introduction to arduino and its programming in IDE Dr Devi Vighneshwari ,Professor/HOD, Dept of EEE, TOCE ,Bangalore</p>
<p>Day –10 28-04-23 Friday</p>	<p>Image processing techniques applied to Optic disk.. Dr. Vijaya Kumari, Dean Academics The Oxford College of Engineering</p>	<p>Recent Trends in Photnics . Dr Preeta sharan , Dean R&D , The Oxford College of Engineering</p>

<p>Day –11 02-05-23 Tuesday</p>	<p>Design and Development -Prototyping on Electronic Products Mr Krishna Das Engineering Manager, Bosch Sample Shop Bosch Global Software Technologies Ltd, Coimbatore</p>	<p>Silicon Carbide-Insights to an Emerging Technology in the field of Power Electronics Engineering Group Manager at Bosch Engineering and Business Solutions Bengaluru</p>	
<p>Day –12 03-05-23 Wednesday</p>	<p>Recent Advancements in Electrical Power and Energy System. Dr K Ravi, Professor, Department of Electrical Engineering , VIT University ,Vellore</p>	<p>Emerging Trends and Applications of Multilevel Inverters in power Electronics. Dr Y R Manjunatha Professor (Former Chairman) Department of studies in Electrical Engineering ,UVCE, Bangalore</p>	<p>Valedictory Function.</p>

After successful completion of the 2-Week FDP, the participants have got the participant certificate.



Key Note Address was delivered by : Dr.Vidhya, HOD/ EEE, Amrita, Bangalore

on “PV Wind – Micro grid Present Scenario ”. Mrs Nisha C Rani, Assistant Professor ,EEE dept has delivered the welcome speech and introduction about the resource person. The resource person has explained about present scenario in PV Wind micro grid system. At the end of the session, Mr. N Jayakumar, Associate Professor, Dept, of EEE,delivered vote of thanks to the resource persons and all the participants. The second session on Day 2 was Introduction To Micro Grids by Dr.Mahesh K,Professor, Dept of EEE Sir MVIT,Bangalore 1:30 PM - 3:30 PM. .Dr Mahesh has spoke about microgrids.A microgrid is a group of interconnected loads and distributed energy resources within clearly defined electrical boundaries that acts as a single controllable entity with respect to the grid. A microgrid can connect and disconnect from the grid to enable it to operate in both grid-connected or island mode.”The welcome address and vote of thanks to the resource person and all the participants was done by Mr.N Jayakumar ,Associate Professor ,EEE department.

Dr.Prema V, Associate Prof, Dept of EEE, BMSCE, Bangalore has given Critical comparison of DC-DC converters for renewable Energy applications . The sessions included detailed explanation about wind energy conversion systems and its controls. Also he has detailed about the performance of Wind energy Conversion Systems.She has also given Hands-on session on simulation of power converters using KiCAD software (open source)



GPS Map Camera



Bengaluru, Karnataka, India
The Oxford college of Engineering ,
Bommanahalli, Bangalore
Lat 12.901988°
Long 77.63035°
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GPS Map Camera



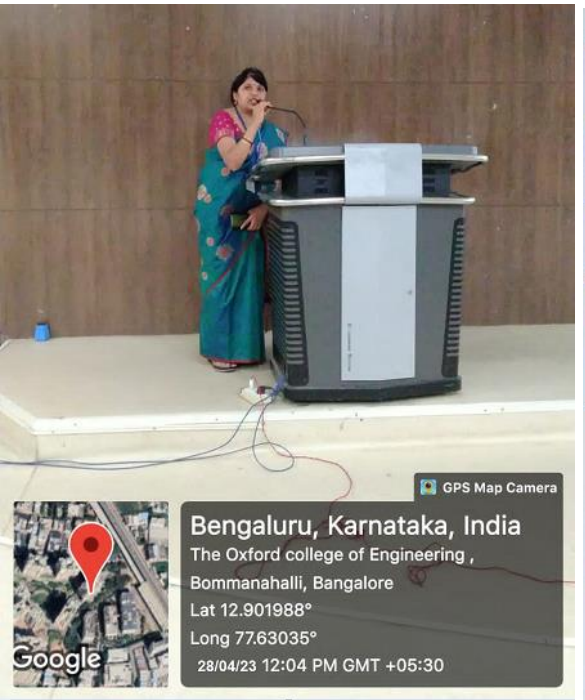
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Bommanahalli, Bangalore
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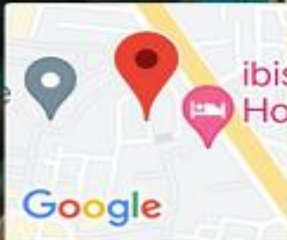


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26, Chennekothapalli Rd, Garebhavipalya,
Bommanahalli, Bengaluru, Karnataka 560068, India
Lat 12.90103°
Long 77.632313°
19/04/23 11:29 AM GMT +05:30





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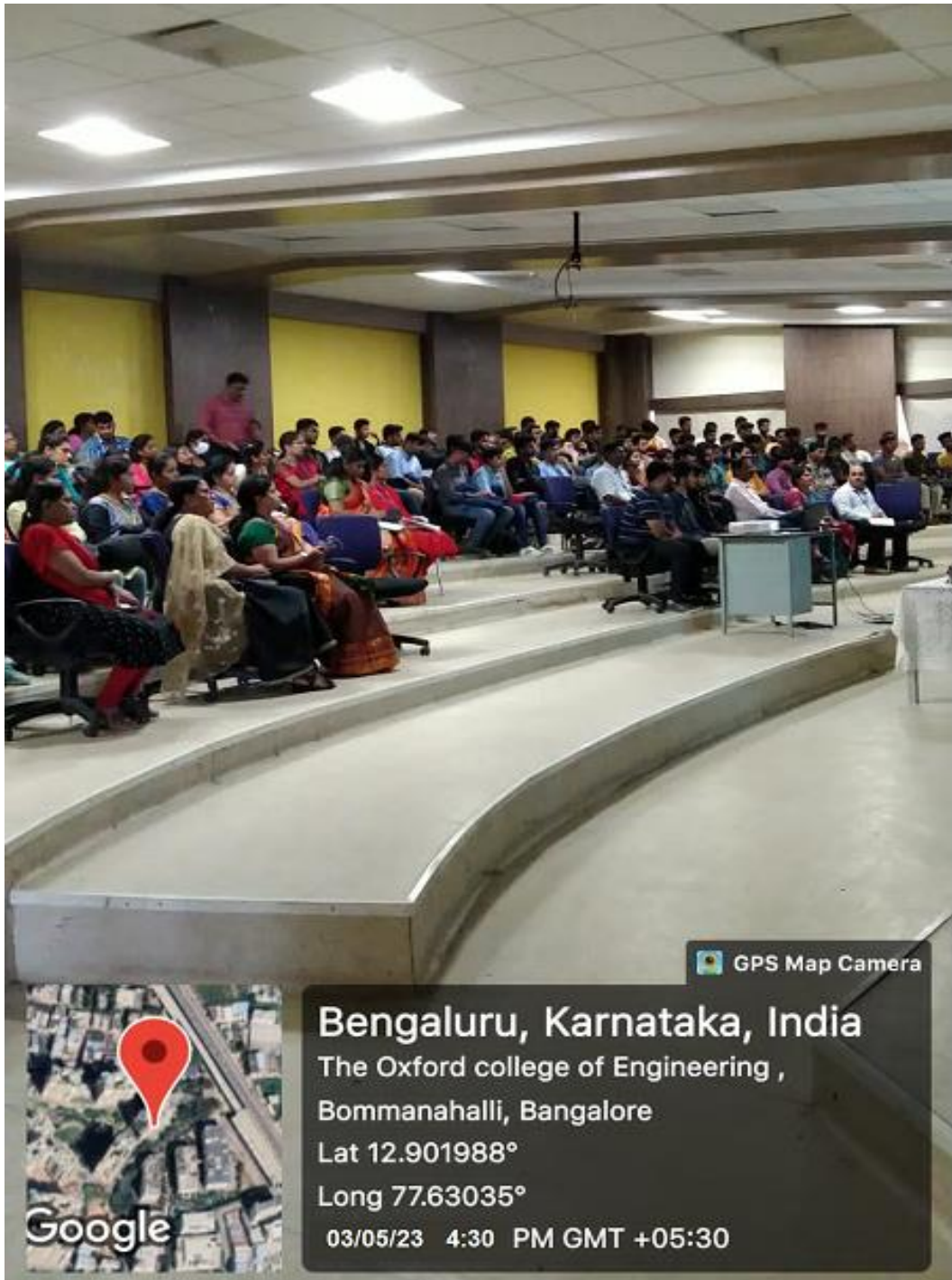
Bengaluru, India

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A technical session on VLSI was handled by Mr Sivaramasubramanian Narayanan, Hardware Technical expert Robert Bosch Engineering and Business Solutions Bangalore. The Topic of

the session was Recent Trends in VLSI technologies an Automotive Perspective. He has explained about the semiconductor crisis due to pandemic and its impact on automotive field.

There was a session on traditional power system and the challenges faced by the traditional grids. Also given a detailed explanation about smart grids, EV charging and grid interaction. The major transmission systems in India and biggest blackouts in the history are also discussed. Discussed about the smart grid conceptual model and realization.

A technical session was handled by Dr. B Pradeep Kumar, Assistant Professor, Kakatiya Institute of Technology and Science, Warangal.

The topic was about Introduction to Solar PV system. The speaker has given a very good overview about the solar PV systems and its characteristics. He has explained about the PV parameters and MPPT techniques. Also there was a hands-on session on modelling of PV.

The topic Embedded System Challenges and Electrical Applications in Automotive was done by Mr Shamin Dudu TS, General Manager, Power train Emobility, Robert

Bosch Engineering and Business solutions Ltd Bangalore. He has detailed about the present scenario of EVs and he has explained about the Electrical application and challenges in automotive field.

Mr. Bharath, Manager Sour Urja Vehicle Challenge, briefed about the Electric Vehicle dynamics and importance in the present situation. Operating condition of EV, BMS algorithms, Economic aspects, Funding prospective in the Electric Vehicle and all discussed in lucid manner which motivated all the participants to ask more questions during the session as well as after the session also.

Dr V D Bharath, Professor/HOD, EEE dept, TOCE has given an overview to Electric Vehicles. Prof N Jayakumar EEE dept, TOCE detailed about the power converters in Electric vehicles. Ms Srilekha has detailed BMS and issues related to Li-ion batteries.

Dr K Ravi, Professor, Department of Electrical Engineering, VIT University, Vellore Recent Advancements in Electrical Power and Energy System. He has discussed about the microgrids and renewable systems. Dr Y R Manjunatha Professor (Former Chairman) Department of studies in Electrical Engineering, UVCE, Bangalore talked about Emerging Trends and Applications of Multilevel Inverters in power Electronics.

Dr Vijayakumari, Dean Academics, TOCE Bangalore has given an overview on image processing. She has also mentioned about the recent advancements in the field. Dr Preeta

Sharan, Dean R & D , TOCE Bangalore has explained about recent trends in Photonics. She has detailed about the research opportunities in the field.

The FDP included hands-on sessions also . Mr Uday Bhargav has given the hands on training on various controllers. Hands-on session on simulation of power converters using KiCAD software (open source) was conducted by Dr Prema V. Dr Devi Vighneshwari, Associate Professor , Dept of EEE , has given a session on Hands-on Arduino – Introduction to arduino and its programming in IDE.

FDP was ended with happy learning and concluded with a Valedictory function

Valedictory Event :

On 03.05.2023 at 3.45 P.M , we had a Valedictory session with Our HOD, Co ordinator and all the faculty members and participants.

HoD of EEE Dr. V.S . Bharath concluded FDP with his wonderful thank giving note to all the participants , Management , Principal, Directors of TOCE and Organising committee members of this FDP for the smooth conduction of this two week FDP through offline mode.

Prof. Jayakumar , Summarised the 12 days session and delivered a vote of thanks to all.

With this we concluded our FDP.

Feedback from the Participants :

Overall feedback from the participants expressed their happiness and great learning

Throughout the sessions. All the participants were well satisfied with the speakers and their delivery of knowledge sharing.

Outcome

The participants were benefited by advanced and recent knowledge in the Electrical and Electronics engineering which will enhance their professional competence. The areas covered are of great benefit to participants as the topics correspond to the current area of work. Participants learned about the cutting-edge technologies most commonly used in the field


Coordinator

(Dr.B Devi Vighneshwari)


HOD/EEE

Dr.V.S. Bharath
Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road
Bangalore-560 068


Principal

Dr N Kannan

PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068



THE OXFORD COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING

Two weeks Faculty Development Program
Recent Trends in Electrical and Electronics Engineering
Attendance Details

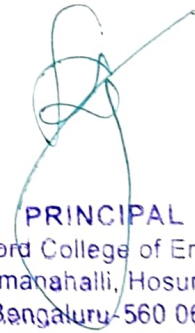
SL No	Name	Designation	Name of the Institution	Attendance
1.	Mrs Laya Tojo	Assistant Professor/ECE	TOCE,Bangalore	Present
2.	Dr Chrispin Jiji	Assistant Professor/ECE	TOCE,Bangalore	Present
3.	Mrs Iffat Fathima	Assistant Professor/ECE	TOCE,Bangalore	Present
4.	Mr Jayaraj	Assistant Professor/ECE	TOCE,Bangalore	Present
5.	Mrs Nisha C Rani	Assistant Professor/EEE	TOCE,Bangalore	Present
6.	Mrs Resna S R	Assistant Professor/EEE	TOCE,Bangalore	Present
7.	Mrs Sumitha T L	Assistant Professor/EEE	TOCE,Bangalore	Present
8.	Mrs Raichel Ruby	Assistant Professor/EEE	TOCE,Bangalore	Present
9.	Mr N Jayakumar	Assistant Professor/EEE	TOCE,Bangalore	Present
10.	Dr Manjula C	Assoc Professor/MTE	TOCE,Bangalore	Present

11.	Mr.Jaideep Rukumandan	Assistant Professor/MTE	TOCE,Bangalore	Present
12.	Ms Seema V	Assistant Professor/MTE	TOCE,Bangalore	Present
13.	Ms Annu Kumari	Assistant Professor/MTE	TOCE,Bangalore	Present
14.	Mrs Sheeba Kumari	Assistant Professor/ECE	TOCE,Bangalore	Present
15.	Mrs Vijaya Lakshmi	Assistant Professor/ECE	TOCE,Bangalore	Present
16.	Mrs Sandhya Rai	Assistant Professor/EEE	TOCE,Bangalore	Present
17.	Mrs Nalina Kumari	Assistant Professor/EEE	TOCE,Bangalore	Present
18.	Mrs Ramya Bharati	Assistant Professor/ECE	TOCE,Bangalore	Present
19.	Dr Someswari T	Assistant Professor/EEE	TOCE,Bangalore	Present
20.	Mrs Tina	Assistant Professor/ECE	TOCE,Bangalore	Present
21.	Mrs.Sowmya Padukone	AP/ECE	TOCE,Bangalore	Present
22.	Mrs Sreelatha B	Assistant	TOCE,Bangalore	Present

		Professor/ECE		
23	Mr Prajwal Sinha	Assistant Professor/ECE	TOCE, Bangalore	Present
24	Mrs Indu KS	AP/ISE	TOCE, Bangalore	Present
25	Dr. Devi Vighneshwari	Assoc Prof./EEE	TOCE, Bangalore	Present
26	Mrs Vishalini	AP/ISE	TOCE, Bangalore	Present
27	Mr Yadu Krishnan	AP/ISE	TOCE, Bangalore	Present
28	Mr Karthik	AP/ISE	TOCE, Bangalore	Present
29	Mr. Channappa Gowda	AP/ISE	TOCE, Bangalore	Present
30	Mrs. Asha	AP/CSE	TOCE, Bangalore	Present
31	Mrs Preeja	AP/ISE	TOCE, Bangalore	Present



Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road
Bangalore-560 068



PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068



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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that

Mrs Laya Tojo

has actively participated in the Faculty Development Program on **Recent Trends in Electrical & electronics Engineering** conducted by the Department of EEE, The Oxford College of Engineering, from **17/04/2023 to 03/05/2023**.

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Certificate of Participation

This is to certify that

Mrs Nisha C Rani

has actively participated in the Faculty Development Program on **Recent Trends in Electrical & electronics Engineering** conducted by the Department of EEE, The Oxford College of Engineering, from **17/04/2023 to 03/05/2023**.

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This is to certify that

Mrs Resna S R

has actively participated in the Faculty Development Program on **Recent Trends in Electrical & electronics Engineering** conducted by the Department of EEE, The Oxford College of Engineering, from **17/04/2023 to 03/05/2023**.

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Certificate of Participation

This is to certify that

Mrs Seema V

has actively participated in the Faculty Development Program on **Recent Trends in Electrical & electronics Engineering** conducted by the Department of EEE, The Oxford College of Engineering, from **17/04/2023 to 03/05/2023**.

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Certificate of Participation

This is to certify that

Mrs Sumitha T L

has actively participated in the Faculty Development Program on **Recent Trends in Electrical & electronics Engineering** conducted by the Department of EEE, The Oxford College of Engineering, from **17/04/2023 to 03/05/2023**.

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Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 02-05-2023

CIRCULAR

This is to inform you that the department of Artificial Intelligence and Machine Learning is organizing **A Workshop on Incubation & Startup opportunities- The Business Management Ecosystem Powering Laundromats & Drycleaners Dhobi G**” on 04/05/23 All the faculty members are informed to attend the workshop and make the best use of it.

HEAD OF THE DEPARTMENT
DEPARTMENT OF AIML
THE OXFORD COLLEGE OF ENGINEERING
Bengaluru-560068



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“A Workshop on Incubation & Startup opportunities- The Business Management Ecosystem Powering Laundromats & Drycleaners Dhobi G”

Program Schedule and Resource Person

SL No	Date	Time	Resource Person
1	04/05/2023	10:00 AM to 04:00 PM	Mr. Ravi Rajan, CEO, Dhobi G



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INSTITUTIONS INNOVATION COUNCIL

In Association with

The Oxford College of Engineering, Bangalore

Organizing

**A Workshop on Incubation & Startup opportunities- The Business Management
Ecosystem Powering Laundromats & Drycleaners**

DHOBI G

On

4TH May 2023 @ 10:00 AM-04:00 PM by

**Mr. Ravi Rajan,
CEO, Dhobi G**

Sri S.N.V.L Narasimha Raju

Chief Patron

President

The Oxford Educational Institutions

Dr. N. Kannan

Principal & President IIC

The Oxford College of

Engineering

Dr P. Bindhu Madhavi

IIC Convener

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Sri Roopini U

IIC Member

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**A Workshop on Incubation & Startup opportunities- The Business Management
Ecosystem Powering Laundromats & Drycleaners**

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INSTITUTIONS INNOVATION COUNCIL

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**A Workshop on Incubation & Startup opportunities- The Business Management
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DHOBI G

On

4TH May 2023 @ 10:00 AM-04:00 PM by

**Mr. Ravi Rajan,
CEO, Dhobi G**

Sri S.N.V.L.Narasimha Raju

Chief Patron

President

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Dr. N. Kannan

Principal & President IIC

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Engineering

Dr P. Bindhu Madhavi

IIC Convener

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Sri Roopini U

IIC Member

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The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with The Oxford college of Engineering, Bangalore organized “A Workshop on Incubation & Startup opportunities- The Business Management Ecosystem Powering Laundromats & Drycleaners Dhobi G” on 4th May 2023 from 10:00 AM to 04:00 PM by Mr. Ravi Rajan, CEO, Dhobi G

Mr. Ravi Rajan is a Founder & CEO at Dhobi G and Incubated at NSRCEL IIM B. He is an experienced founder with a demonstrated history of working in the consumer services industry and skilled in Business Planning, Entrepreneurship, Business Development, Marketing Strategy, and Strategy. He is a strong business development professional with a Bachelor of Technology - BTech focused in Computer Science from SRM University.

OBJECTIVES:

The main objective of the workshop is to provide opportunities to Undergraduate students and Faculty members to expand their skills in various significant aspects involved in building Career Opportunities in Entrepreneurship and Innovation. Mr. Ravi Rajan, Founder & CEO, Dhobi G has explained on how to be an entrepreneur focusing on core areas of the Business building like the relationship between Innovation & Entrepreneurship, Types of Entrepreneurs, Functions of an Entrepreneur, Barriers to Entrepreneurship, Qualities of an Entrepreneur, Internal & External Factors of Entrepreneurship and finally pondered on ‘My startup story and Innovation’. The objective of the program is upskilling our students along with the faculty members in the knowledge of incubation and startup opportunities and he spent a very valuable time in contributing to all the participants to gain knowledge in the aspects of business management ecosystem, the stages involved in becoming a successful entrepreneur and also shared his experiences through his journey as a successful entrepreneur in DHOBI G. Dhobi G has brought a change in the way of laundry business approach. It is dedicated to the person who has less free time and planning to have a professional laundry service. Company with its unique business model has decreased the transportation cost, delivery time.

OUTCOMES:

The outcome of the workshop is to develop practical skills and opportunities for the application of knowledge to real-life organizational issues. The students were able to understand the key concepts of entrepreneurship and its application in the recognition and exploitation of product/ service/ process opportunities. They were able to respond positively and effectively to problems and apply new ideas, methods and ways of thinking in terms of startups. The students were motivated with the founder story and were able to draw ethical and environmental issues and responsibilities which entrepreneur would take into account when making decisions for their future work. They were able to understand and focus on the core areas of business building like the incubation and start-up opportunities. The students were able to understand the steps involved in starting a career as an entrepreneur like early grounding on who and why, focusing on the outcome, risks and challenges involved, and the action plan which needs to be performed. The students were benefitted with the knowledge of how to initiate a start-up, steps which needs to be followed, funds required for it and finally the outcome of the business which is considered.

Around 60 students and 13 faculties participated in the workshop.







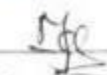

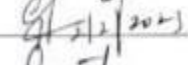
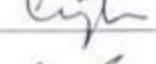
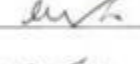
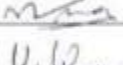
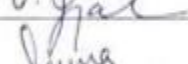


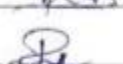

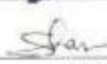

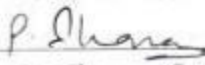


Video link:

https://drive.google.com/file/d/1HgKCRlkn89OrbH_nBpUTec2VxqdXm8y/view?usp=sharing

Social-media link:

<https://www.facebook.com/photo?fbid=257561553462562&set=a.177418398143545>

Participation details:

SL. No..	Name	Dept.	Sign
1.	Dr R. Chi. A Naidu	CSE	
2.	Dr. K. Tharaka Ranilakshy	MBA	
3.	Dr. M. Malleshwar	CV	
4.	Dr. Maryji Srin	IEEP	
5.	Dr. Gangavathi. p	SEH	
6.	Dr. Mangula. C	MTE	
7.	Dr. Vanajaraselin	ISE	
8.	L. Jaya Raju	MCA	
9.	Dr. V. Vijaya Kumari	Dean, Academic	
10.	Seema. V	MTE	
11.	Annu Kumari	Mechatronics	
12.	Arun. Selvi K	AIML	
13.	R. Priya Mary.	ISE	
14.	Sri Roopini. V	AIML	
15.	G. Manjita Sharon	EEE	
16.	Dr. P. Bindhu Lakshmi	AIML	
17.	Dr. Preeta	Dean Res	
18.	Jaideep R	MTE	

Sl.no	Name of student	USN	Dept	Semester	Sign
1	Vashta B1	10X19EC087	ECE	8th	Vashta
2	Abhishek Th	1019EC001	ECE	8th	Abhishek
3	Saivandana	10X19EC068	ECE	8th	Saivandana
4	Pradeep	10X19EC054	ECE	8th	Pradeep
5	Rakesh	10X19EC067	ECE	8th	Rakesh
6	Kanathis	10X19EC062	ECE	8th	Kanathis
7	Sodhis	1019EC067	ECE	8th	Sodhis
8	Tulasi	10X19EC052	ECE	8th	Tulasi
9	Yukta	10X19EC092	ECE	8th	Yukta
10	Prithvi Anilk	10X19EC057	ECE	8th	Prithvi
11	Priyanka M	10X19EC055	ECE	8th	Priyanka
12	Saptha M	10X19EC069	ECE	8th	Saptha
13	Sindhu S	10X19EC076	ECE	8th	Sindhu
14	Meenakshi S	10X19EC044	ECE	8th	Meenakshi
15	Imparna/SV	10X19EC026	ECE	8th	Imparna
16	Kavya S	10X19EC031	ECE	8th	Kavya

Sl.no	Name of student	USN	Dept	Semester	Sign
1	Sandhya	10X20BT023	BT	VI	Sandhya
2	Thulasi	10X20ISE085	ISE	VI	Thulasi
3	Shakuntala S	10X20ISE069	ISE	VI	Shakuntala
4	Rachel N	10X20CSE098	CSE	VI	Rachel
5	Anirudh Kumar	10X20ISE013	ISE	VI	Anirudh
6	Brakhi (Shetty)	10X20ISE019	ISE	VI	Brakhi
7	Bindu Choudhary	10X20CSE029	CSE	VI	Bindu
8	Aparna Murali	10X20CSE016	CSE	VI	Aparna
9	Alpha Saha	10X20CSE019	CSE	VI	Alpha
10	Sowjanya G	10X20ISE018	ISE	VI	Sowjanya
11	Sowjanya R	10X20ISE019	ISE	VI	Sowjanya
12	Hansitha R	MCA15	MCA	I	Hansitha
13	Geethanjali P	MBA31	MBA	I	Geethanjali
14	Rakshitha G	MBA78	MBA	I	Rakshitha
15	Kavana B	MBA42	MBA	I	Kavana
16	NSS Shreya	MBA 60	MBA	I	NSS Shreya
17	Chethank	MBA85	MBA	I	Chethank
18	Janani Kumar	MBA 44	MBA	I	Janani
19	Letah V	MCA 221	MCA	I	Letah
20	S. MANOJ	10X20ISE065	ISE	VI	S. MANOJ
21	Anthony	10X20ISE015	ISE	VI	Anthony

Sl.no	Name of student	USN	Dept	Semester	Sign
1	Supradha	10X20B1027	Biotechnology	VI	Supradha N
2	Chandana	10X20B7005	Biotech	VI	Chandana
3	Ashvitha A	MCA-07A	MCA	7	Ashvitha
4	Satyam Jha	MCA-47A	MCA	5	Satyam Jha
5	S.P. Kumar	MCA-44A	MCA	7	S.P. Kumar
6	D. Pournima	MCA-A12	MCA	8	D. Pournima
7	Shilpa R	MCA-A117	MCA	7	Shilpa R
8	L. Srividya	MCA-A23	MCA	1	L. Srividya
9	Archana S	MCA-A43	MCA	7	Archana S
10	Chandana	EEE-003	EEE	7 th	Chandana
11	Arjun S	EEE-022	EEE	7 th	Arjun S
12	Kiran Gokarni	MBA-45	MBA	1	Kiran Gokarni
13	Arizeo Srinivas	10x20CSE18	CSE	6	Arizeo Srinivas
14	Aparna K Chowdhury	10x20CSE19	CSE	VI	Aparna K Chowdhury
15	Ayush Baral	10x20CSE25	CSE	VI th	Ayush Baral
16	Harisha	10x20ISE031	ISE	6 th	Harisha
17	Amitabh A	10x20ISE009	ISE	6 th	Amitabh A
18	TARUN S	10x20ECE069	ECE	6 th	TARUN S
19	N. V. Venkatesh	10x20ECE050	ECE	6 th	N. V. Venkatesh
20	AKSHAY K A	10X20CSE009	CSE	6 th	AKSHAY K A
21	Madhan N	10X20ECE034	ECE	6 th	Madhan N
22	Umaid Jameel	10X20ISE086	ISE	6 th	Umaid Jameel
23	LRKTHK	10X20MTE00	MTE	6 th	LRKTHK


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“A Workshop on Incubation & Startup opportunities- The Business Management Ecosystem Powering Laundromats & Drycleaners Dhobi G”

SL. No..	Name	Dept.	Sign
1.	Dr R. Ch. A Naidu	CSE	
2.	Dr. K. Tharaka Ranilakshy	MBA	
3.	Dr. M. Malleshwar	CV	
4.	Dr. Manjiv Sani	ISE	
5.	Dr. Gangavathi. p	S&H	
6.	Dr. Manjula. C	MTE	
7.	Dr. Vanajaselin	ISE	
8.	Dr. Vijaya Naidu	MCA	
9.	Dr. V. Vijaya Kumari	Dean. Academics	
10.	Seema. V	MTE	
11.	Annu Kumari	Mechatronics	
12.	Arun. Selvi K	AIML	
13.	R. Priya Mary.	ISE	
14.	Sri Roopini. V	AIML	
15.	G. Manjita Sharon	EEE	
16.	Dr. P. Bindhu Lakshmi	AIML	
17.	Dr. Preeta	Dean. R&D	
18.	Jaidar. R	MTE	

“A Workshop on Incubation & Startup opportunities- The Business Management Ecosystem Powering Laundromats & Drycleaners Dhobi G”



Bengaluru, Karnataka, India
AB1502 Salarpuria satva Greenage Bom
Rd, Hongasandra, Bengaluru, Karnatak
Lat 12.901907°



Bengaluru, Karnataka, India
Alpine, Salarpuria Greenage, Bom
Bengaluru, Karnataka 560068, India
Lat 12.902045°
Long 77.630423°



Bengaluru, Karnataka, India
AB1502 Salarpuria satva Greenage Bom
Rd, Hongasandra, Bengaluru, Karnataka
Lat 12.901906°



Bengaluru, Karnataka, India
AB1502 Salarpuria satva Greenage Bom
Rd, Hongasandra, Bengaluru, Karnataka
Lat 12.901922°



Bengaluru, Karnataka, India
85, Service Rd, Popular Colony, Mangamman
Bengaluru, Karnataka 560068, India
Lat 12.902072°
Long 77.631955°



Bengaluru, Karnataka, India
AB1502 Salarpuria satva Greenage Bom
Rd, Hongasandra, Bengaluru, Karnataka
Lat 12.901929°





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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Certificate of Participation

This is to certify that

Dr Manjula C

has actively participated in the Two days workshop on **Incubation & Startup opportunities- The Business Management Ecosystem Powering Laundromats & Drycleaners Dhobi G** conducted by the Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering, from **04/05/2023**

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Certificate of Participation

This is to certify that

Dr Vanaja Roselin

has actively participated in the Two days workshop on **Incubation & Startup opportunities- The Business Management Ecosystem Powering Laundromats & Drycleaners Dhobi G** conducted by the Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering, from **04/05/2023**

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Date: 29-05-2023

CIRCULAR

This is to inform you that the department of Artificial Intelligence and Machine Learning is organizing **Workshop on “Quantum Technologies and Cyber Security: Impact and Solutions”** on 30/05/2023. All the faculty members are informed to attend the workshop and make the best use of it.

HOD-MCA

The Head
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The Oxford College of Engineering
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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Workshop on “Quantum Technologies and Cyber Security: Impact and Solutions”

Program Schedule and Resource Person

SL No	Date	Time	Resource Person
1	30/05/2023	10:00 AM to 04:00 PM	Dr.T.Sheela Professor & HOD Sairam Engineering College.

Workshop on “Quantum Technologies and Cyber Security: Impact and Solutions”



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Department of Computer Applications (MCA)

organizing

**“One Day workshop on Quantum Technologies and Cyber Security: Impacts
and Solutions”**

IN ASSOCIATION WITH IIC, ON May 30th, 2023 10:00 AM on words

RESOURCE PERSON

Dr. T. Sheela Professor &HOD, Sairam
Engineering College.

Dr. Puja Shashi
PROFESSOR, MCA
The Oxford College of Engineering

Dr. Bindu Madhavi
IIC Coordinator
The Oxford College of Engineering

Dr. N KANNAN
Principal & President, IIC
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Workshop on "Quantum Technologies and Cyber Security: Impact and Solutions"



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Department of Computer Applications (MCA)
organizing

"One Day workshop on Quantum Technologies and Cyber Security: Impacts and Solutions"

IN ASSOCIATION WITH IIC, ON May 30th, 2023 10:00 AM on words

RESOURCE PERSON


**Dr. T. Sheela Professor & HOD, Sairam
Engineering College.**


Dr. Puja Shashi
PROFESSOR, MCA
The Oxford College of Engineering

Dr. Bindu Madhavi
IIC Coordinator
The Oxford College of Engineering

Dr. N KANNAN
Principal & President, IIC
The Oxford College of Engineering



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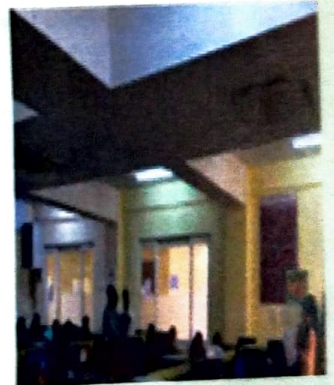
 THE OXFORD
COLLEGE OF ENGINEERING
ESTABLISHED: 1983

THE OXFORD COLLEGE OF ENGINEERING
Recognized by the Govt. of Karnataka, Affiliated to Oxygens Technological University, Admitted Approval: AICTE, ISO 9001
accredited by NBA, A. & M. S. Swamy Design and Research Institute
Kuvempu Road, Ramachandrapuram, Bangalore 560088
Department of Computer Applications (DCA)
organizing

**One Day workshop on Quantum Technologies and Cyber Security: Impacts
and Solutions**

DATE: 08/07/2024 ON 10th, 11th, 12th July 2024
RESOURCE PERSON
Dr. T. Shashi Prasad (PhD), Sirsa
Engineering College.

Dr. Pooja Shetty Dr. Anshu Mishra Dr. Rajashankar



Department of MCA, The Oxford College of Engineering in association with ICC organized an one day workshop on “Quantum Technologies and Cyber Security: Impacts and Solutions” on 30th May 2023. The event has been kick-started with a formal Inaugural function, the following dignitaries were present and motivated the students.

Resource person-Dr.T.Sheela Professor & HOD Sairam Engineering College.

Dr. N Kannan, Principal, The Oxford College of Engineering, Bengaluru

Dr. Puja Shashi, Professor and Head-MCA, The Oxford College of Engineering, Bengaluru

Introduction:

On the one hand, quantum computers will disrupt many of the systems we rely upon today, forcing a wholesale move to new solutions and algorithms. On the other hand, quantum technology will allow us to achieve unprecedented levels of security in many aspects of cryptography. We outline the challenges and opportunities that quantum brings to cyber security and the digital industry as a whole. In particular, we will explore some of the ways that quantum technology can strengthen cyber security solutions today.

Quantum Computing and the Cyber security Threats

Quantum computing will enable great innovations in the future, but it will be accompanied by diverse risks. The potential of quantum computers to break the current security of common activities in our daily lives could have severe consequences. The quantum cybersecurity threat forebodes data breaches of sensitive health and financial personal data, challenges to the integrity of digital assets, and breaking the fundamental cryptography underpinning cryptocurrencies.

Threat 1: Harvest Now, Decrypt Later

According to a Deloitte poll, just over half of its surveyed professionals (50.2%) believe that their organizations are at risk for "harvest now, decrypt later" (or HNDL) cyber security attacks. This refers to an attack where threat actors collect encrypted data from target organizations today, fully anticipating that data can be decrypted later when quantum computing reaches a maturity level capable of rendering many publicly utilized cryptographic algorithms like RSA entirely obsolete. HNDL poses a risk to enterprises, banks, intelligence agencies, and even military capabilities – nothing will be safe from sophisticated threat actors equipped with advanced quantum computers.

Threat 2: Making Asymmetric Cryptography Obsolete

Implementation of a practical quantum computer will render most current asymmetric encryption methods unsafe, such as RSA, Diffie-Hellman (DH), and Elliptic Curve Cryptography (ECC). It

poses a "Quantum Threat," a match for the complicated math problems previously unbeatable by classic computers. The world's data, currently protected by asymmetric cryptography algorithms such as RSA, DH and ECC, will soon become readable – and subsequently, easy for cybercriminals to infiltrate and bring down global digital security.

Quantum Technology: Applications in Cyber security

The use of digital communication technology has led to high-speed communication enablement across various components as well as better data analysis and real-time control. This has proven to be advantageous not only to retail customers but also to large industry and power utilities that are able to better manage grid assets and investments. digitalization comes with its own set of vulnerabilities. High-speed data transfer, while providing for real-time data analysis and control, also opens itself up to exploitation by hackers and other malcontent actors. Attacks on the grid not only cause revenue loss for the utilities and have a significant detrimental financial impact on communities but also impact national security at large.

Empathize:

Quantum Computing is already part of the digital portfolio for companies with a state of the art digital transformation strategy and that wish to be leaders in a future quantum computing global ecosystem. It should also be on the agenda for those that wish to remain competitive in the digital era.

Some of the major challenges for a faster adoption and implementation of quantum technology could be addressed by having a design thinking approach.

The key challenges identified by experts fall within these 3 domains: material science, engineering and quality control. The scientific community is actively working on addressing each of these and advances are being steadily reported.

However, in addition to optimizing the technology it would be valuable to also have a highly proactive design thinking approach for the business of quantum. As outlined by the first stage of design thinking we need to empathize with all stakeholders in the quantum ecosystem and carefully define their potential needs or challenges to adoption in order to create a sustainable quantum business model

Define:

The quantum technology will reinforce cyber safety, enhance health services, secure our financial transactions and above all will bring superfast computing capability in our system which is currently present only in huge supercomputers.

Experts say that this technology will reinforce cyber safety, enhance health services, secure our financial transactions and, above all, will bring superfast computing capability in our system which is currently present only in huge supercomputers. Let's look in detail about this to be revolutionary technology.

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thms

Ideate:

Now emerging as the next generation of computing, quantum computers run on data that comes in the shape of qubits or quantum bits. Quantum computing has the potential to transform cybersecurity. Some encryption algorithms are thought to be unbreakable, except by brute-force attacks. Although brute-force attacks may be hard for classical computers, they would be easy for quantum computers making them susceptible to such attacks

Prototype:

This prototype container based system allows single user and small project groups to do rapid prototype development, testing and implementation of extreme capability algorithms with more agility and flexibility than can be provided through the IBM Q Experience website. This prototype environment also provides an excellent teaching environment for labs and project assignments within graduate courses in cloud computing and quantum computing.

Test:














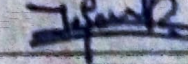







Quantum penetration testing methodologies and state of the art security tools we provide with you the information necessary to mitigate and remedy your system and network vulnerabilities. Real world attacks vectors against on organization's IT assets, data, humans, or an physical security.

Outcome:

Quantum computer will be able to solve the problems that are far too complex classical computer to figure out. This includes solving algorithms behind encryptions key that our protect the data and the internet infrastructure. Quantum computer have the potential revolutionize computation by making certain types of classically intractable problem solvable. With no quantum computer yet to sophisticated enough to carry out calculation that a classical computer can't great prorogues is under way.

Total of 21 Faculties and 55 Students from all department have attended the Program.

List Of Participant

Sl	Name	Department	Signature
1	J C Achutha	MCA	
2	Liya Nallu	MCA	
3	Akhil B P	MCA	
4	S. Narasimha	ECE	
5	Arjun Kumar Sah	ECE	
6	J Jesy Janet Kumari	CSE	
7	Bindyashree	ISE	
8	Prashanth. T S	CV	
9	HITESH. S	ECE	
10	ANUD M U	ME	
11	Shruthi. R. M	MCA	
12	Karthana. S	MCA	
13	Tyavini K	MCA	
14	Haryshitha. V	MCA	
15	V. Shrivani	MCA	
16	Amrutha. R	MCA	
17	Ashvitha. A	MCA	
18	Dirya A. N	MCA	
19	Namun Banu	MCA	
20	Shraddha. M. Hegde	MCA	
21	Sahana H. K.	MCA	

Sl.	Name	Department	Signature
22	Supriya. M	MCA	Supriya M.
23	Supriya. A	MCA	Supriya
24	Sanjana. S	MCA	Sanjana S
25	Rakeshtha. DA	MCA	Rakeshtha. D.A
26	Anshu. S	MCA	Anshu S.U.
27	Pruthvi. H.R	MCA	Pruthvi H.R
28	Hanshika. N.R	MCA	Hanshika. N.R
29	Ahanksha. A. Kulkarni	MCA	Ahanksha
30	Rachita. Palakshappa	MCA	Rachita
31	Sindhu. N	MCA	Sindhu N.
32	Bhoomika. G. M	MCA	Bhoomika. G.M.
33	UMESH. R	MCA	Umesh
34	MADHAN. K.V	MCA	Madhan
35	MAHESHA. S.N	MCA	Mahesh S.N
36	PRASHANTH	MCA	Prashanth
37	VARUN. N.M	MCA	Varun N.M
38	ABHILASHA. D.N	MCA	Abhilasha
39	PRUTHVIRAJ. D	MCA	Pruthviraj
40	Pradip. P	MCA	Pradip
41	NAYAN. V	MCA	Nayan
42	Poojita. M.V	MCA	Poojita

Video

Link <https://drive.google.com/file/d/1EyXASQipe0nOMqOb4WzZQhQ0HERHAivJ/view?usp=sharing>

Social Media

Link [https://www.facebook.com/photo/?fbid=266842842534433&set=a.177418398143545&_cft\[0\]=A](https://www.facebook.com/photo/?fbid=266842842534433&set=a.177418398143545&_cft[0]=A)

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HOD

The Head

Department of

The Oxford

Hosur



IIC CONVENER



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The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068

Workshop on “Quantum Technologies and Cyber Security: Impact and Solutions”

Sl NO	Name of the Faculty Participant	Signature
1	Dr. M. Kalthiraman	MW
2	Dr. A. Sabana	A. Sabana
3	Dr. Harish. N	H. N.
4	Dr. K.T.R Reddy	K.T.R Reddy
5	Mary Annith. T	M. Annith. T
6	Liyal Nalvu	L. Nalvu
7	Ashwin B P	A. B. P.
8	Moidula Shukla	M. Shukla
9	Ji Acharya	J. Acharya
10	Divya. B	D. B.
11	Latha Y.L	L. Y.L.
12	Dr. Pavitra C. B	P. C. B.
13	Dr. Reichal A. J	R. A. J.
14	Nisha. C. Rani	N. C. Rani
15	M. Amulthavalli	M. Amulthavalli
16	Dr. B. Devi Vighneshwari	B. Vighneshwari
17	Resna S R	R. S. R.
18	Sumitha T. L	S. T. L.

Workshop on "Quantum Technologies and Cyber Security: Impact and Solutions"



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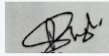
DEPARTMENT OF MASTER OF COMPUTER APPLICATION

Certificate of Participation

This is to certify that

Mrs Divya B

has actively participated on **Workshop on Quantum Technologies and Cyber Security: Impact and Solutions** conducted by the Department of Master of Computer Application, The Oxford College of Engineering, on **30/05/2023**.



HOD



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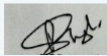
DEPARTMENT OF MASTER OF COMPUTER APPLICATION

Certificate of Participation

This is to certify that

Mrs Mary Anitha T

has actively participated on **Workshop on Quantum Technologies and Cyber Security: Impact and Solutions** conducted by the Department of Master of Computer Application, The Oxford College of Engineering, on **30/05/2023**.



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DEPARTMENT OF MECHATRONICS

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Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 28-06-2023

CIRCULAR


This is to inform you that the department of Mechatronics is organizing A **Two Day Workshop on “Design Thinking Opportunities In Machine Drawing And GD&T Using Fusion 360”** on 30/6/23 & 1/7/23. All the faculty members are informed to attend the workshop and make the best use of it.

HOD


Prof. & HOD
Department of Mechatronics
The Oxford College Of Engineering
Bommanahalli, Bangalore - 560 068

HOD


2 Days Workshop on “DESIGN THINKING OPPORTUNITIES IN MACHINE DRAWING AND GD&T USING FUSION 360”



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IEEE
BANGALORE SECTION



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Member of AICTE

Department of Mechatronics Engineering
in Association with IIC



IEEE
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Automation
Society

Organizing 2 Days Workshop on
DESIGN THINKING OPPORTUNITIES IN
MACHINE DRAWING AND
GD&T USING
FUSION 360

Chief Patron
Sri S.N.V.L Narasimha Raju
President
The Oxford Educational Institutions

Patron
Dr. N. Kannan
Principal & President IIC
The Oxford College of Engineering

IIC Convener
Dr. Bindhu Madhavi
The Oxford College of Engineering

30/6/2023 and 1/7/2023
10:00 AM ONWARDS

Resource Person
Mr. Maruthi
DESIGN ENGINEER
MEDINI TECHNOLOGIES
BANGALORE.

Convener
Dr. Manjula C
Associate Professor & HOD
Mechatronics Engineering

IIC Member
Mr. Jaideep R
Asst. Professor
Department of Mechatronics
Engineering

Schedule of the workshop

DATE	SL. NO	TIME	TOPICS
30/6/2023	1	10:00AM – 11:00AM	<ul style="list-style-type: none">• WELCOME SPEECH• INTRODUCTION TO FUSION 360 SOFTWARE
	2	11:00 AM - 1:00PM	<ul style="list-style-type: none">• INSTALLATION OF SOFTWARE• BASIC SKETCHES
	LUNCH BREAK		
	3	2:00 PM – 5PM	<ul style="list-style-type: none">• HANDS ON SKETCHES USING NECESSARY TOOLS• PART MODELLING OF MACHINE VICE.
1/7/2023	1	10:00AM – 11:30AM	<ul style="list-style-type: none">• PART MODELLING OF SCREW JACK
	2	11:30AM – 1:00PM	<ul style="list-style-type: none">• HANDS ON SURFACING , SHEETMETAL• HANDS ON DRAFTING OF PART MODELS
	LUNCH BREAK		
	3	2:00 PM – 5:00 PM	<ul style="list-style-type: none">• HANDS ON DRAFTING OF PART MODELS• DOUBTS SESSION• VOTE OF THANKS

Design Thinking Opportunities in Machine Drawing and GD & T
using Fusion 360

Recourse Person

Mr Maruthi

DESIGN ENGINEER
MEDINI TECHNOLOGIES
BANGALORE.



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THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
Website: www.theoxford.edu

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DEPARTMENT OF MECHATRONICS ENGINEERING

2 Days Workshop on “DESIGN THINKING OPPORTUNITIES IN MACHINE DRAWING AND GD&T USING FUSION 360”

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(Approved by AICTE, New Delhi, Accredited by NBA, NAAC 'A' GRADE & Affiliated to VTU, Belagavi-590 018)

Department of Mechatronics Engineering
in Association with IIC

Organizing 2 Days Workshop on
DESIGN THINKING OPPORTUNITIES IN
MACHINE DRAWING AND
GD&T USING
FUSION 360

30/6/2023 and 1/7/2023
10:00 AM ONWARDS

Resource Person
Mr. Maruthi
DESIGN ENGINEER
MEDINI TECHNOLOGIES
BANGALORE.

Chief Patron
Sri S.N.V.L.Narasimha Raju
President
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Associate Professor & HOD
Mechatronics Engineering

IIC Member
Mr. Jaideep R
Asst. Professor
Department of Mechatronics
Engineering

IEEE BANGALORE SECTION
IEEE Robotics & Automation Society

The Oxford college of Engineering, Bangalore ,Institution Innovation Council in association with Department of **Mechatronics Engineering** organized workshop on 2 Days Workshop on “DESIGN THINKING OPPORTUNITIES IN MACHINE DRAWING AND GD&T USING FUSION 360” by Mr.Maruthi on 30/6/2023 to 1/7/2023.

Mr.Maruthi is an Design Engineer with high drive, high energy level, achievement-oriented, tireless in the pursuit of personal & Organizational goals, he has also trained more industrial

people and has vast experience in robotics and automation. Number of students attended the session are 45 and faculties 5

Objective:

The objective of the session is to bring the awareness about Autodesk Fusion 360 to students and faculties. During the session the resource person explained about the its applications and highlighted the points.

- Fusion 360 offers various 3D design tools that include sketching, direct, surface, parametric, mesh, and free form modeling, as well as rendering, PCB design integration, sheet metal, and assembly design
- Autodesk Fusion 360 is an all-in-one solution for design, engineering, and manufacturing
- It features tools for CAD modeling, simulation, collaboration, rendering, and CAM programming
- It can be used to design intricate shapes and mechanical assemblies, as well as to create detailed drawings and 3D models
- Industrial designers, mechanical engineers, electrical engineers, machinists, hobbyists, and startups use Autodesk Fusion 360
- Fusion 360 is a cloud-based collaboration platform that helps users create 3D computer aided design/manufacturing (CAD/CAM) product prototypes.
- Key features include sketching, version control, public/private design sharing, feedback capture, shape optimization and probing.
- It combines organic shapes modeling, mechanical design and manufacturing. It is available on a number of platforms including Windows, Mac & In-Browser
- It creates 3D designs, collaborate, manage data, create toolpaths, run simulation to validate your designs, and much more
- Fusion 360 is a better solution for 3D modeling and is typically used by designers, engineers, and manufacturing professionals for product design workflows.
- Fusion 360 is a cloud-based platform that integrates needs across various disciplines

Schedule of the workshop

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	LUNCH BREAK		
	3	2:00 PM – 5:00 PM	<ul style="list-style-type: none">• HANDS ON DRAFTING OF PART MODELS• DOUBTS SESSION• VOTE OF THANKS

Outcomes:

Day 1 (30/6/2023)

The morning session was started with

- Welcome Speech
- Introduction To Fusion 360 Software
- Basic Sketches

The afternoon session was started with

- Hands On Sketches Using Necessary Tools and techniques
- Part Modelling Of Machine Vice components

Photos



Total number of faculties attended are 25

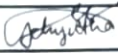
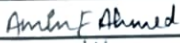

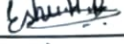
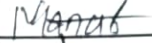
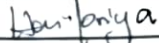
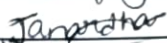

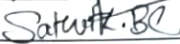

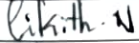
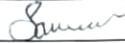

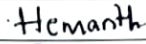

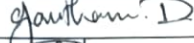

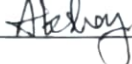
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|------------------------|---------------------|
| Dr.Manjula C | Mrs. Tina Elizabeth |
| Dr.Madhura S | Mr Jayaraj |
| Ms.Seema V | Mr Prajwal Sinha |
| Mr.Jaideep R | Mrs Raichel Ruby |
| Ms.Annu Kumari | Mr Raghavendra |
| Mrs.Nisha C Rani | Mr Varun |
| Dr Devi Vighneshwari B | Mrs Indu |
| Mrs Resna S R | Mrs Visalini |
| Mrs Sumitha T L | Mrs Asha |
| Mr Jayakumar N | Mr Channappa Gowda |
| Dr Laya Tojo | Mr Karthik |
| | Ms Gayathri |
| | Ms Kavya |
| | Mr Prakash |

Total number of students attended are 45.

Students list.

REVENUE DEPARTMENT OF THE DISTRICT OF COLUMBIA
FORM 100

No.	Description	Amount	Remarks
1
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SL NO	USN	NAME OF THE STUDENT	SIGNATURE
1	1OX21MT001	ACHYUTHA S S	
2	1OX21MT002	AMIN FARAZ AHMED	
3	1OX21MT003	ANIRUDDH PRATAP SINGH	
4	1OX21MT004	ESHU H R	
5	1OX21MT005	G K MAANAS	
6	1OX21MT006	HARIPRIYA KULKARNI	
7	1OX21MT007	JANARDHAN Y V	
8	1OX21MT008	MADHU CHANDAN K CHARI	
9	1OX21MT009	SATWIK BHATTACHARJEE	
10	1OX21MT010	SRIKANTH R	
11	1OX22MT400	LIKITH N	
12	1OX22MT401	SAM S	
13	1OX22MT402	A SHAIK SULTHAN	
14	1OX22MT403	HEMANTH C	
15	1OX22MT404	PRANAV M	
16	1OX22MT405	GOUTAM D	
17	1OX22MT406	ROHITH N	
18	1OX22MT407	AKSHAY KRIT K	

Day 2 (1/7/2023)

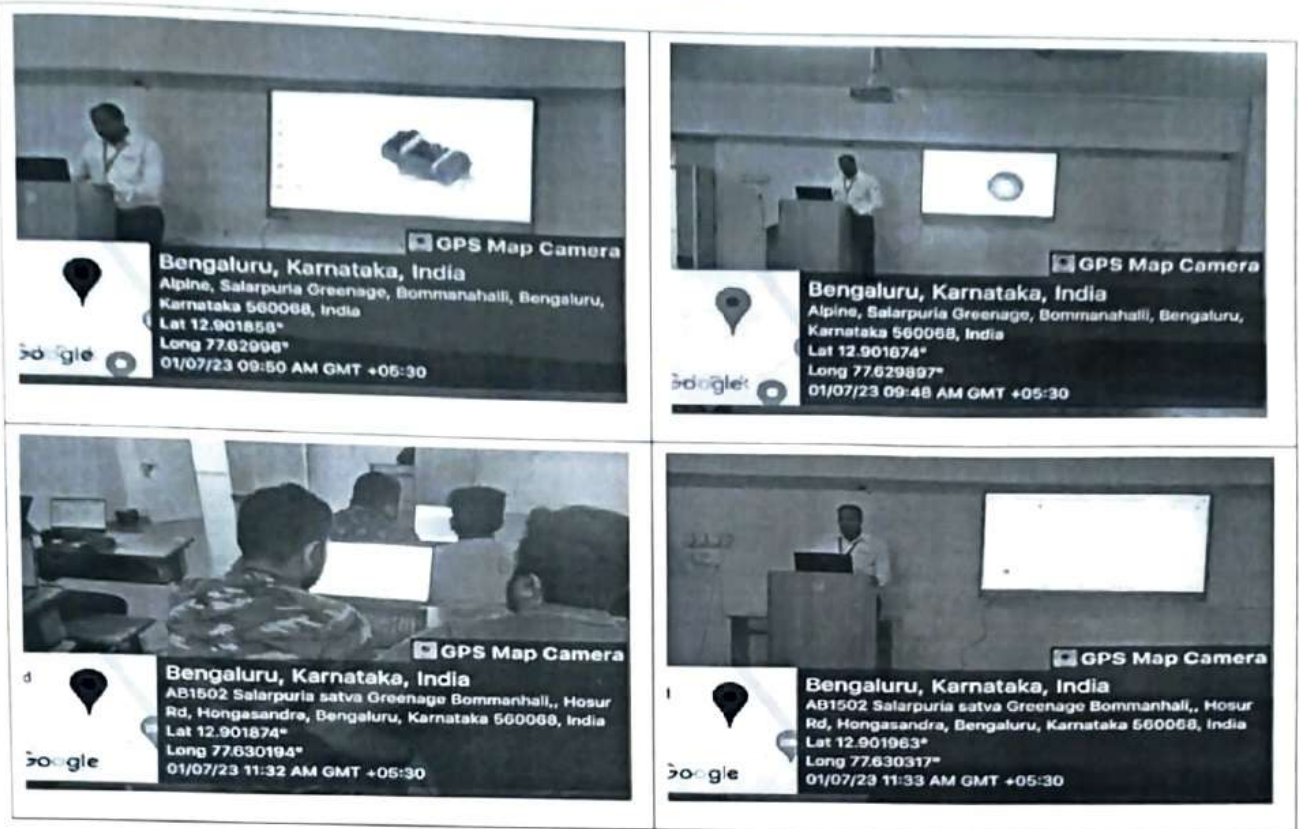
The morning session was started with

- Part Modelling Of Screw Jack
- Hands On Surfacing , Sheetmetal
- Hands On Drafting Of Part Models

The afternoon session was started with

- Hands On Drafting Of Part Models
- Doubts Session.

Photos



DEPARTMENT OF MECHATRONICS ENGINEERING 6TH SEM

SL NO	USN	NAME OF THE STUDENT	SIGNATURE
1	10X20MT001	VISHNU NARAYAN.K	<i>Vishnu Narayan</i>
2	10X20MT002	MOHAMMED MALHAN RABEET	<i>malhan</i>
3	10X20MT003	PRAGNYA RAGHUNANDAN RAO	<i>Pragnya</i>

4	10X20MT004	PRAJWAL C SHETTY	Prajwal Shetty
5	10X20MT005	PRAJWAL H J	Prajwal H J
6	10X20MT006	ROHAN KUMAR S	Rohan Kumar S
7	10X20MT007	JAYANTIL S	Jayantil S
8	10X20MT008	SOHAN SUNIL JAGJAMPI	Sohan Sunil Jagjampi
9	10X21MT400	AKSHAY DESHPANDE S A	Akshay Deshpande S A
10	10X21MT401	AKSHAY KUMAR S	Akshay Kumar S
11	10X21MT402	AMRUTH M C	Amruth M C
12	10X21MT403	BHANUPRASAD	Bhanuprasad
13	10X21MT404	CHETHAN G M	Chethan G M
14	10X21MT405	DEEPAK N S	Deepak N S
15	10X21MT406	EBENEZER P	Ebenezer P
16	10X21MT407	HIREN RALPH FERNANDES	Hiren Ralph Fernandes
17	10X21MT408	KRUTIK KURI	Kruthik Kuri
18	10X21MT409	LIKHITHA L D	Likhitha L D
19	10X21MT410	LIKITH K	Likith K
20	10X21MT411	LOKESH S	Lokesh S
21	10X21MT412	MANTHAN A JADAV	Manthan A Jadav
22	10X21MT413	NIKIL R	Nikil R
23	10X21MT414	RAAGHUL S	Raaghul S
24	10X21MT415	SAGAR S	Sagar S
25	10X21MT416	SIDDARTH S J	Siddarth S J
26	10X21MT417	SUHAS B	Suhas B
27	10X21MT418	VARUN KUMAR N	Varun Kumar N

DEPARTMENT OF MECHATRONICS ENGINEERING
4TH SEM

SL NO	USN	NAME OF THE STUDENT	SIGNATURE
1	10X21MT001	ACHYUTHA S S	Achyutha S S
2	10X21MT002	AMIN FARAZ AHMED	Amin Faraz Ahmed
3	10X21MT003	ANIRUDDH PRATAP SINGH	Aniruddh Pratap Singh
4	10X21MT004	ESHU H R	Eshu H R
5	10X21MT005	G K MAANAS	Maanas
6	10X21MT006	HARIPRIYA KULKARNI	Haripriya Kulkarni
7	10X21MT007	JANARDHAN Y V	Janardhan Y V
8	10X21MT008	MADHU CHANDAN K CHARI	Madhuchandan K Chari

9	IOX21MT009	SATWIK BHATTACHARJEE	Sathwik B C
10	IOX21MT010	SRIKANTH R	Srikanth
11	IOX22MT400	LIKITH N	Likith
12	IOX22MT401	SAM S	Sam S
13	IOX22MT402	A SHAIK SULTHAN	Ashaik
14	IOX22MT403	HEMANTH C	Hemanth C
15	IOX22MT404	PRANAV M	Pranav
16	IOX22MT405	GOUTAM D	Goutam D
17	IOX22MT406	ROHITH	Rohith
18	IOX22MT407	AKSHAY KRIT K	Akshay

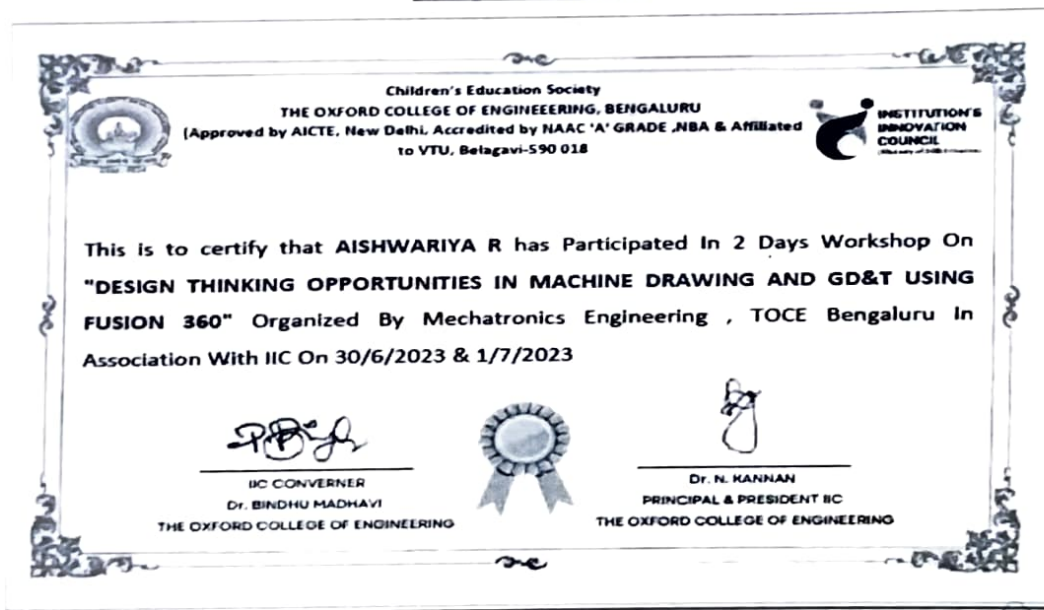
Video Link

<https://drive.google.com/file/d/1LucelHBjLPB1pQ2B536mqSrwWF5AY8e/view?usp=sharing>

Facebook link

<https://www.facebook.com/photo/?fbid=281132097772174&set=a.177418398143545>

Sample certificate



[Signature]
IIC CO-ORDINATOR

[Signature]
HOD

[Signature]
IIC CONVERNER

[Signature]
PRINCIPAL






Prof. & HOD
Department of Mechatronics
The Oxford College Of Engineering
Bommanahalli, Bangalore - 560 068.

PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068

List of Participants

<u>Total number of faculties attended are</u>	25
Dr.Manjula C	Mrs. Tina Elizabeth
Dr.Madhura S	Mr Jayaraj
Ms.Seema V	Mr Prajwal Sinha
Mr.Jaideep R	Mrs Raichel Ruby
Ms.Annu Kumari	Mr Raghavendra
Mrs.Nisha C Rani	Mr Varun
Dr Devi Vighneshwari B	Mrs Indu
Mrs Resna S R	Mrs Visalini
Mrs Sumitha T L	Mrs Asha
Mr Jayakumar N	Mr ChannappaGowda
Dr Laya Tojo	Mr Karthik
	Ms Gayathri
	Ms Kavya
	Mr Prakash

Sample certificate

	<p>Children's Education Society THE OXFORD COLLEGE OF ENGINEERING, BENGALURU (Approved by AICTE, New Delhi, Accredited by NAAC 'A' GRADE, NBA & Affiliated to VTU, Belagavi-590 018)</p>	 <p>INSTITUTION'S INNOVATION COUNCIL</p>
<p>This is to certify that AISHWARIYA R has Participated In 2 Days Workshop On "DESIGN THINKING OPPORTUNITIES IN MACHINE DRAWING AND GD&T USING FUSION 360" Organized By Mechatronics Engineering , TOCE Bengaluru In Association With IIC On 30/6/2023 & 1/7/2023</p>		
		
<p>IIC CONVERNER Dr. BINDHU MADHAVI THE OXFORD COLLEGE OF ENGINEERING</p>		<p>Dr. N. KANNAN PRINCIPAL & PRESIDENT IIC THE OXFORD COLLEGE OF ENGINEERING</p>



CHILDREN'S EDUCATION SOCIETY (Regd.)
THE OXFORD COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
(Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.
Approved by A.I.C.T.E. New Delhi. Recognized by UGC Under Section 2(f))
Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 21-11-2022

CIRCULAR

A training program on Stress Management is organized from **23-11-2022** by Department of Electrical and Electronics Engineering, TOCE from 10 AM to 12.00 PM. The venue is 6th floor Seminar hall, New building.

All the non-teaching and technical staffs are informed to attend the same.


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road
Bangalore-560 068

HOD



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THE OXFORD COLLEGE OF ENGINEERING

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Belagavi & Approved by A.I.C.T.E. New Delhi, Accredited by NAAC New Delhi and Recognized by UGC

Hosur Road, Bommanahalli, Bangalore -560068

Department of Electrical & Electronics Engineering

Organizing

Stress Management

on

23-11-2022

by

Dr Tharaka Rami Reddy

Professor /Dept. of MBA
The Oxford College of Engineering



Venue :6th Floor Seminar Hall
Time :10AM

Chief Patron

Sri S.N.V.L.Narasimha Raju
President

The Oxford Educational Institutions

Principal

Dr N Kannan
Principal

The Oxford College of
Engineering

Convener

Dr Bharath V S
HOD/EEE

The Oxford College of
Engineering

Prof. Nisha C Rani ,
Prof Resna S R

Assistant Professor
The Oxford College of
Engineering

One day workshop on " Stress Management" 23/11/2022

SL NO	Date and Time	Resource Person
1	23/11/22 10:00AM – 12:00PM	Dr Tharakarami Reddy, Professor, MBA Dept, The Oxford College of Engineering

Report on Stress Management

Date : 23.11.2022


The Oxford College of Engineering organized a one day workshop on " Stress Management" on 23rd Novemeber 2022 at 5th floor new building. Physical comforts are increasing day by day but at the cost of increase in mental stress. Deadlines, conflicts, distractions, and new projects piling up all bring unwanted stress into our work routines, negatively affecting our productivity and work performance. Even if we know better, we risk overworking ourselves and developing stress. If we don't implement proactive strategies in stressful environments, we'll easily become overwhelmed. Stress management programs teach workers about the nature and sources of stress, the effects of stress on health, and personal skills to reduce stress- for example, time management or relaxation exercises. Yoga not only releases mental stress, but it also give strength to the body and mind. Relaxation meditation brings sound sleep and calmness to the mind. Healing is a systematic approach to remove root cause of any disease. By healing, one can cure his physical or mental diseases. One can also get rid of emotional blockages by healing. The motive of this workshop was to give awareness on yogic practices to release mental and physical stress, to understand the concept of healing and to practice it. various issues regarding stress is discussed. Also the 5 techniques to manage stress in workplace is explained by Prof. Tharaka Rama Reddy, Department of MBA, The Oxford College of Engineering, Bengaluru The focuss was on Setting boundaries and learn to say no , Breathing exercises , Neck swings , Take a walk, and Meditation .

He resolved the queries asked by the employees. Discussion Session was quite interesting & helpful to resolve many doubts of the participants. 22 participants attended the program.


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hoosur Road
Bengaluru-560 068

Stress Management



 **GPS Map Camera**

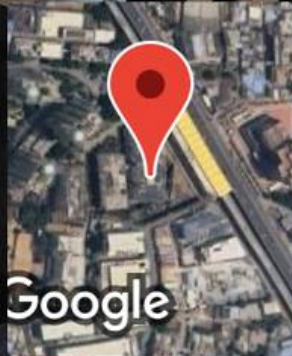
Bengaluru, Karnataka, India

6/9, 1st Cross, cluster, Begur Rd, adjacent to The Oxford College of Engineering & The Oxford Dental College, Hongasandra, Bengaluru, Karnataka 560068, India

Lat 12.901304°

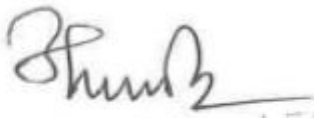
Long 77.631426°

23/11/22 11:07 AM GMT +05:30



Stress Management
Attendance list Date: 23.11.2022

Sl.NO	Name of the staff	Attendance
1.	Ms. Uma Sivanantham K	Present
2.	Ms. Shruthi D R	Present
3.	Ms. Jayalakshmi	Present
4.	Mr. Manjunath H S	Present
5.	Ms. Amrutha T A	Present
6.	Ms. Aasha G	Present
7.	Mr. Shiva Kumar G	Present
8.	Ms. Ranjitha N	Present
9.	Ms. Pavitra B Y	Present
10.	Ms. Usha N V	Present
11.	Ms. Priyanka K M	Present
12.	Mr. P Kalappa	Present
13.	Ms Amuthavalli	Present
14.	Ms. Sudharani	Present
15.	Ms. Baby A	Present
16.	Mr. Arumugum A V	Present
17.	Mr. Udaya Kumar M	Present
18.	Mr. Ashwathachari K P	Present
19.	Mr. Chandrashekar M	Present
20.	Ms. Rakshitha	Present
21.	Mr. K Vittala	Present
22.	Mr. Thyagaraju	Present


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hoalur Road,
Bangalore-560 068



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THE OXFORD COLLEGE OF ENGINEERING



Hosur Road , Bommanahalli , Bengaluru - 560068
(Approved by AICTE , New Delhi , Affiliated V T U Belgaum)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that

Mrs Amuthavalli

has actively participated in the Training Program on **Stress Management** conducted by the Department of Electrical and Electronics Engineering, The Oxford College of Engineering, on **23/11/2022**.

HOD

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Certificate of Participation

This is to certify that

Ms. Shruthi D R

has actively participated in the Training Program on **Stress Management** conducted by the Department of Electrical and Electronics Engineering, The Oxford College of Engineering, on **23/11/2022**.

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that

Ms. Jayalakshmi

has actively participated in the Training Program on **Stress Management** conducted by the Department of Electrical and Electronics Engineering, The Oxford College of Engineering, on **23/11/2022**.

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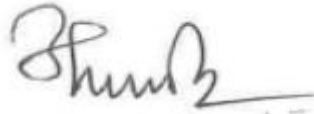
CHILDREN'S EDUCATION SOCIETY (Regd.)
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Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 26-05-2023

CIRCULAR

A training program on Advanced Typing Skills is organized from **29-05-2023** by Department of Electrical and Electronics Engineering, TOCE from 11.30 AM. The venue is 6th floor Seminar hall, New building.

All the non-teaching and technical staffs are informed to attend the same.


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road,
Bangalore-560 068

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Hosur Road, Bommanahalli, Bangalore -560068

Department of Electrical & Electronics Engineering

Organizing

Advanced Typing Skills

on

29-05-2023

by

Prof Liya Wilson K

Assistant Professor Dept. of MCA
The Oxford College of Engineering

Venue :6th Floor Seminar Hall
Time :11.30AM



Chief Patron

Sri S.N.V.L.Narasimha Raju
President

The Oxford Educational Institutions

Principal

Dr N Kannan
Principal

The Oxford College of
Engineering

Convener

Dr Bharath V S
HOD/EEE

The Oxford College of
Engineering

Prof. Nisha C Rani ,
Prof Resna S R

Assistant Professor

The Oxford College of
Engineering

Advanced Typing Skills 29/05/23

SL NO	Date and Time	Resource Person
1	29/05/23 11.30AM	Prof Liya Wilson K, Assistant Professor, MCA Dept, The Oxford College of Engineering

Report on Advanced Typing Skills

Date : 29.05.2023

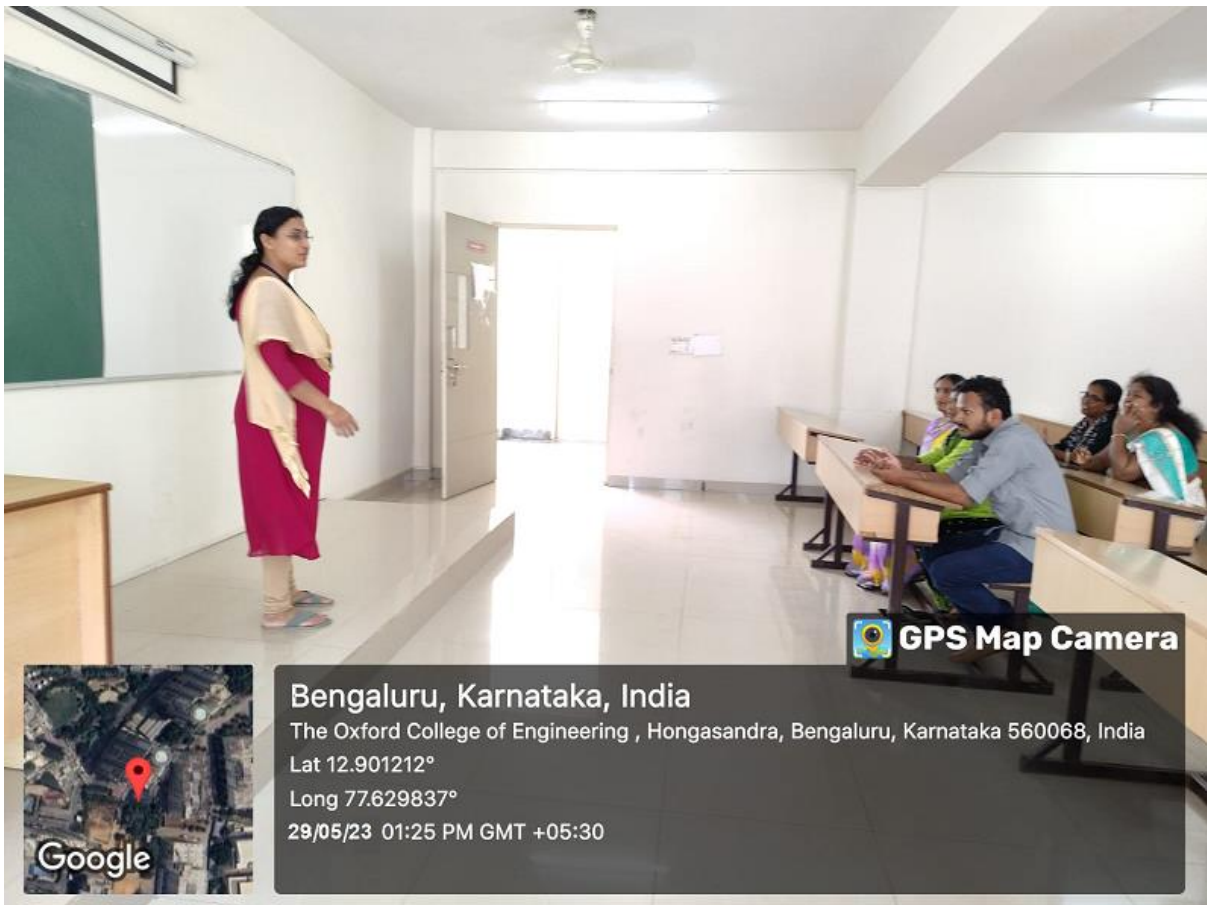
The Oxford College of Engineering organized a one day workshop on " Advanced Typing Skills" on 29th May 2023 at 6th floor new building. Prof. K Liya Wilson ,Asstant Professor Department of MCA,The Oxford College of Engineering, Bengaluru has handled the session.

The ability to type quickly and accurately is a skill that can help you communicate with clients and fellow team members no matter the career in which you work. Producing quality work with few typos or missing words helps ensure that the focus remains on the message of your content. Learning how to improve your typing skills can help you become a more efficient communicator regardless of whether you're writing articles, emails, presentations or other content. In this session, discussed about the ways to improve your typing skills. Also suggested typing exercises for beginner and more experienced typists. The main focus was on giving awareness on why typing skills are important.

She resolved the queries asked by the employees. Discussion Session was quite interesting & helpful to resolve many doubts of the participants. 20 participants attended the program.

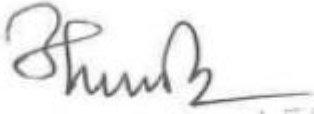

Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road,
Bengaluru-560 068

Advanced Typing



Advanced Typing Skills
Attendance list Date: 29.05.2023

Sl.NO	Name of the staff	Attendance
1.	Mr. Chandrashekar M	Present
2.	Ms. Rakshitha	Present
3.	Ms. Uma Sivanantham K	Present
4.	Ms. Shruthi D R	Present
5.	Ms. Jayalakshmi	Present
6.	Mr. Manjunath H S	Present
7.	Ms. Amrutha T A	Present
8.	Ms. Aasha G	Present
9.	Mr. Shiva Kumar G	Present
10.	Ms. Ranjitha N	Present
11.	Ms. Pavitra B Y	Present
12.	Ms. Usha N V	Present
13.	Ms. Priyanka K M	Present
14.	Mr. P Kalappa	Present
15.	Ms Amuthavalli	Present
16.	Ms. Sudharani	Present
17.	Ms. Baby A	Present
18.	Mr. Arumugum A V	Present
19.	Mr. Udaya Kumar M	Present
20.	Mr. Ashwathachari K P	Present


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hoalur Road,
Bangalore-560 068

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THE OXFORD COLLEGE OF ENGINEERING

Hosur Road , Bommanahalli , Bengaluru - 560068
(Approved by AICTE , New Delhi , Affiliated V T U Belgaum)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

MS. RAKSHITHA

has actively participated in the Training Program on **Advanced Typing Skills** conducted by the Department of Electrical and Electronics Engineering, The Oxford College of Engineering, on **29/05/2023.**

HOD

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

MR. SHIVA KUMAR G

has actively participated in the Training Program on **Advanced Typing Skills** conducted by the Department of Electrical and Electronics Engineering, The Oxford College of Engineering, on **29/05/2023**.

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Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 02-05-2023

CIRCULAR

A training program on Time Management: A Key to Productivity and Success is organized from **05-05-2023** by Department of Electrical and Electronics Engineering, TOCE from 10 AM to 12.00 PM. The venue is N513 , New building.

All the non-teaching and technical staffs are informed to attend the same.


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road
Bangalore-560 068

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Hosur Road, Bommanahalli, Bangalore -560068

Department of Electrical & Electronics Engineering

Organizing



Chief Patron

Sri S.N.V.L.Narasimha Raju
President

The Oxford Educational Institutions

Time Management: A Key to Productivity and Success

on

05-05-2023

by

Dr V S Bharath

Professor & HOD

EEE Dept.

The Oxford College of Engineering

Convener

Dr Bharath V S

HOD/EEE

**The Oxford College of
Engineering**



Venue : N 513

Time :10AM

**Prof. Nisha C Rani ,
Prof Resna S R**

Assistant Professor

**The Oxford College of
Engineering**

Report on Time Management

Date : 05.05.2023

The Oxford College of Engineering organized a one day workshop on " **Time Management**" on **5th May 2023** at 5th floor new building.

Title: Time Management: A Key to Productivity and Success

Introduction: Time management is a crucial skill that plays a pivotal role in achieving personal and professional success. The ability to prioritize tasks, set goals, and allocate time effectively can significantly impact one's productivity, reduce stress, and enhance overall well-being. This report explores the importance of time management and provides practical tips for mastering this essential skill.

Importance of Time Management:

1. **Increased Productivity:** Efficient time management enables individuals to accomplish more tasks in less time. By prioritizing and organizing activities, individuals can focus on high-priority tasks, leading to increased productivity and better outcomes.
2. **Reduced Stress and Anxiety:** Poor time management often leads to stress and anxiety due to missed deadlines and uncompleted tasks. Effectively managing time helps individuals stay on top of their responsibilities, promoting a sense of control and reducing stress levels.
3. **Enhanced Goal Achievement:** Time management is closely linked to goal setting. Individuals who effectively manage their time are better positioned to set and achieve realistic goals. Breaking larger tasks into smaller, manageable steps facilitates progress toward long-term objectives.
4. **Improved Decision-Making:** Time management encourages individuals to evaluate tasks based on their importance and urgency. This evaluation process enhances decision-making skills as individuals learn to allocate time to tasks that align with their priorities.

Practical Tips for Effective Time Management:

1. **Set Clear Goals:** Establishing clear, achievable goals provides a roadmap for effective time management. Define short-term and long-term objectives to guide daily activities and prioritize tasks accordingly.
2. **Prioritize Tasks:** Use techniques like the Eisenhower Matrix to categorize tasks based on their urgency and importance. Focus on high-priority tasks to maximize productivity and allocate time wisely.
3. **Create a Schedule:** Develop a daily or weekly schedule to allocate specific time blocks for different activities. Be realistic about the time required for each task and avoid overcommitting.
4. **Minimize Multitasking:** While multitasking may seem like a time-saving strategy, it often leads to decreased efficiency and increased errors. Focus on one task at a time to ensure better quality and completion.
5. **Learn to Say No:** Recognize your limits and avoid overloading yourself with commitments. Politely decline additional tasks or projects that may hinder your ability to manage time effectively.

6. **Utilize Time Management Tools:** Explore digital tools, such as calendars, task management apps, and reminder systems, to help organize and track your activities. These tools can enhance efficiency and provide timely reminders.

Conclusion: Time management is a skill that, when mastered, can significantly contribute to personal and professional success. By setting clear goals, prioritizing tasks, and implementing practical strategies, individuals can enhance productivity, reduce stress, and achieve a more balanced and fulfilling life. As we celebrate the one-year anniversary of this report, let it serve as a reminder of the timeless importance of effective time management in our daily lives.

The importance of time management is explained by Dr Bharath V S, Department of EEE ,The Oxford College of Engineering, Bengaluru .

He resolved the queries asked by the employees. Discussion Session was quite interesting & helpful to resolve many doubts of the participants. 22 participants attended the program.


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road
Bengaluru-560 088

Time Management: A Key to Productivity and Success

Attendance list Date: 05.05.2023

Sl.NO	Name of the staff	Attendance
1.	Ms. Shruthi D R	Present
2.	Ms. Jayalakshmi	Present
3.	Ms. Uma Sivanantham K	Present
4.	Ms. Usha N V	Present
5.	Ms. Priyanka K M	Present
6.	Mr. P Kalappa	Present
7.	Ms Amuthavalli	Present
8.	Ms. Sudharani	Present
9.	Ms. Baby A	Present
10.	Mr. Arumugum A V	Present
11.	Mr. Manjunath H S	Present
12.	Ms. Amrutha T A	Present
13.	Ms. Aasha G	Present
14.	Mr. Shiva Kumar G	Present
15.	Ms. Ranjitha N	Present
16.	Ms. Pavitra B Y	Present
17.	Mr. Udaya Kumar M	Present
18.	Mr. Ashwathachari K P	Present
19.	Mr. Chandrashekar M	Present
20.	Ms. Rakshitha	Present
21.	Ms Varalakshmi	Present
22.	Ms Saraswathi	Present


Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road,
Bangalore-560 068



GPS Map Camera
Bengaluru, Karnataka, India
The Oxford College of Engineering , Hongasandra, Bengaluru, Karnataka
560068, India
Lat 12.901212°
Long 77.629837°
05/05/23 10:42 AM GMT +05:30



GPS Map Camera
Bengaluru, Karnataka, India
The Oxford College of Engineering , Hongasandra, Bengaluru, Karnataka
560068, India
Lat 12.901212°
Long 77.629837°
05/05/23 10:44 AM GMT +05:30



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THE OXFORD COLLEGE OF ENGINEERING

Hosur Road , Bommanahalli , Bengaluru - 560068
(Approved by AICTE , New Delhi , Affiliated V T U Belgaum)



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that

Mrs Amuthavalli

has actively participated in the Training Program on **Time Management: A Key to Productivity and Success** is conducted by the Department of Electrical and Electronics Engineering, The Oxford College of Engineering, on **05/05/2023**.

HOD

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Children's Education Society (R)
THE OXFORD COLLEGE OF ENGINEERING

Hosur Road , Bommanahalli , Bengaluru - 560068
(Approved by AICTE , New Delhi , Affiliated V T U Belgaum)



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that

Ms. Ranjitha N

has actively participated in the Training Program on **Time Management: A Key to Productivity and Success** is conducted by the Department of Electrical and Electronics Engineering, The Oxford College of Engineering, on **05/05/2023**.

HOD

PRINCIPAL