CHILDREN'S EDUCATION SOCIETY (Regd.)
Administrative Office :
1st Phase, J.P. Nagar, Bengaluru - 560 078. ✆ : 080 - 61754501 - 502 Fax: 080 2654 8658

THE OXFORD COLLEGE OF ENGINEERING

[Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by A.I.C.T.E., New Delhi, Accredited by NAAC & NBA New Delhi and Recognized by UGC under section 2(f)]
Bommanahalli, Hosur Road, Bengaluru - 560 068.
✆ : 080 61754601 / 602 / 604
E-mail: engprincipal@theoxford.edu Web: www.theoxford.edu

Estd. 1974

No. TOCE/AACAD/48/2022-23/166 Date : 05-06-2023

Constitution of Learning And Development Centre

To enhance the skills of the students in The Oxford College of Engineering skill development centers were established in the academic year 2021- 2022. Under the skill development center we have 9 skill labs for various departments. The total area is 1350 Sqmts. For the benefits of students various activities are planned and conducted by the centre.

Now "THE SKILL DEVELOPMENT CENTRE" is reconstituted as "LEARNING AND DEVELOPMENT CENTRE".

05/06/23

PRINCIPAL

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

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Estd. 1974

Skill Lab Facilities:

Name of the College		THE OXFORD COLLEGE OF ENGINEERING
Region of the College		Bengaluru Region
College Address with Landline No		Bommanahalli, Hosur Road, Bengaluru - 560068. Ph: 080-61754601/602
Year of Establishment		2000
Accreditation Status	NBA	Department of CSE, ISE, ECE, EEE, BT & Mechatronics are accredited by NBA till 30-06-2025
	NAAC	NAAC 1st Cycle : B Grade NAAC 2nd Cycle: A Grade
Name of the Principal with Mobile No & Email ID		Dr.N.Kannan Ph: 9443834087 Email: engprincipal@theoxford.edu
Name of the Special Skill Lab/s		1. Professional skills based on C Programming 2. 3D Printer Technology 3. Introduction to Embedded System Design 4. Introduction to Electrical Engineering 5. Sheet Metal work & Carpentary work 6. Plumbing Services in Civil Engineering 7. General Maintenance and servicing skills Training program. 8. SDP on Industrial Automation & Robotics 9. Simulation Lab for Optical Simulator .
Lab Area (in SqMts)		

Name of the Lab	Lab Area
Professional Skills based on C Programming	150Sqmts
SDP on 3D Printer	150Sqmts
Introduction to Embedded System Design	150Sqmts
Introduction to Electrical Engineering	150Sqmts
Sheet Metal Work & Carpentry Work	150Sqmts
Plumbing Services in Civil Engineering	150Sqmts
General maintenance and servicing skills Training Program	150Sqmts
SDP on Industrial Automation & Robotics	150Sqmts
Total Lab Area	1350 Sqmts

Internet Connectivity Speed (Apart from regular internet speed required as per the AICTE Guidelines)	150 Mbps Leased Line
Name of the Experts or Faculty Members identified to Train Students with Their specializations	1, Dr.Vanaja Roseline & Dr Saravana Kumar - C Programming 2. Prof. Prajwal - SDP Electronics 3.Prof. Sri Latha - Embedded System Design 4.Prof. Jaya Kumar - Electrical Engineering 5.Dr. Vidyadhar Pujar - Machine Design, Carpentry Work 6.Prof. Shivanand - Plumbing Services in Civil Engineering 7.Dr Malleshaiah P S - General Maintenance and servicing skills Training program 8.Dr Madhura – SDP on Industrial Automation & Robotics

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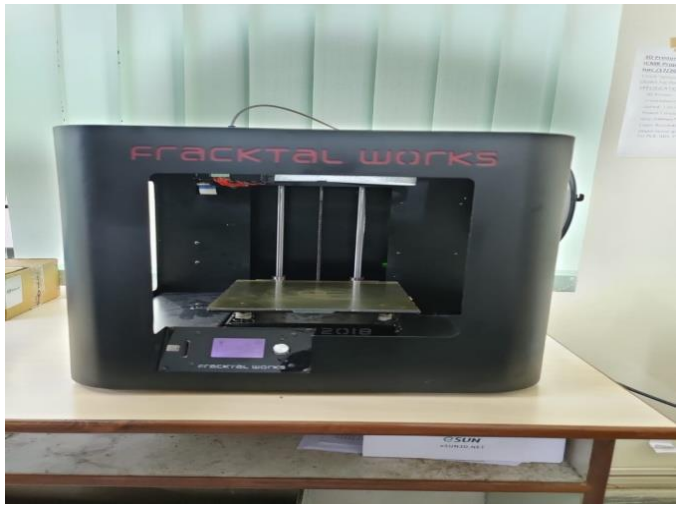
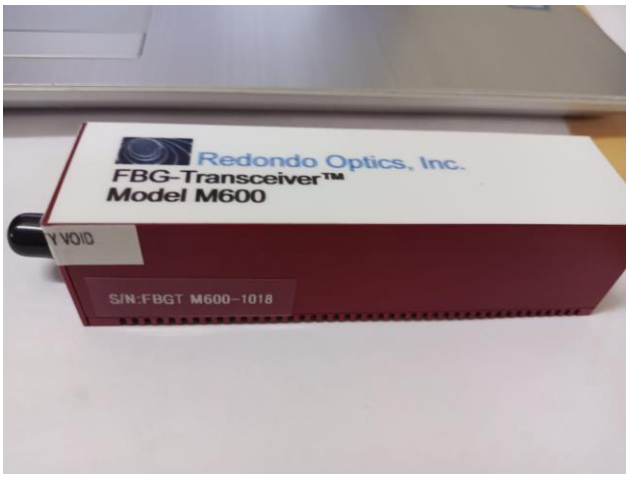
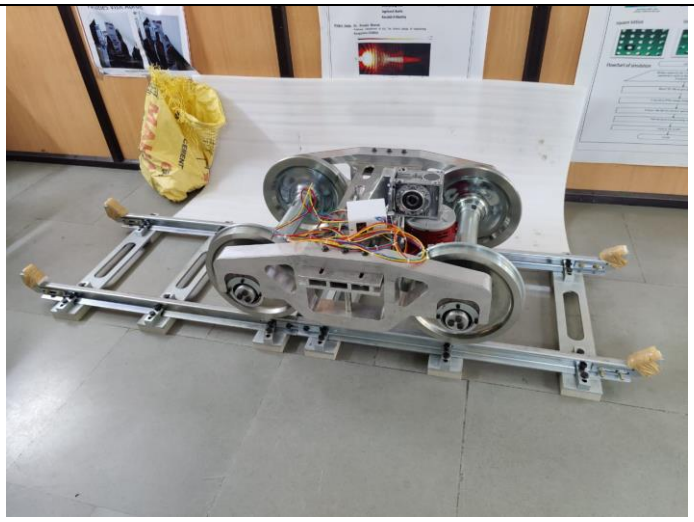
Bengaluru-560 068

Name of the Industries (If connected), MOU's	1. Eurekha Education , Webbliz Infotech - C Programming 2. lab2Market IISC Start Up company - SDP on Electronics 3. Gened Technlogies - Pvt Ltd, Prinston Smart Engineers 4. Prinston Global Engineering, Bangalore - Sheet Metal & Carpentry Work
Details of Equipment's / Facilities	1. Computers & C Editor - C Programming 2. 3D Printer,Optical Simulator (R - Soft), Rail Wheel Model 3. Texas Instrument C2000 Launch Pad Kits for Processor 4. Basic DC Motors, Steeper Motors. 5. Computers & HAVC 6. Plumbing & Sensitization 7. Robotics laboratory, Fuel Injection Pump, Battery charging Facility 8. Tissue Culture Facility, Bio Safety Cabinet, BOD Incubator, Fermentor, Autoclave,Orbital Shaker, UV Visible Spectrophotometer
Name of the person incharge with Mobile No and Email Id	Dr.Preeta Sharan Mobile No:9449612666 Email Id: sharanpreeta@gmail.com
The Contents Taught Within the Syllabus	NIL
The Contents Taught Beyond the Syllabus	YES
What are the Desirable outcomes. (Learning that students would be getting)	1. Will be able to develop C Projects, APP Development Bank Management System ,Gaming Project 2. 3D Printer based biomedical health care device development, Weigh In bridge & health Monitoring of good Wheel & Bad wheel for railway system,Design of photonic Biochip,Quantum Dot based chip design for high speed processor 3. Embedded Computing System Renewable,Energy consumable Systems 4. HVAC (Heat Ventilation Air Conditioning) - To design the air conditioning system 5. Practical Explanation of Plumbing System, Domestic Drainage, understanding of Pipe Joints & Plumbing 6. To charge a battery & to test it, To Calibrate and service FIP (Fuel Injection Pump) & Design of Robots, Design and Development of Grippers 7. Gain knowledge on diverse management practices and understand integration of technology for sustainable development

Enclose Photographs of the Facilities	  3D printer  FBG Introgater



Rail Wheel Model

Embedded System Kit

Fuel Injection Pump

Plumbing & Sanitation System

Robot Design Lab

Children's Education Society ®
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THE OXFORD COLLEGE OF ENGINEERING
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Website:www.theoxford.edu Email : enghodise@theoxford.edu
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Skill Development REPORT

Workshop on "Advance Concepts of JAVA"

Poster for Workshop

The Oxford college of Engineering has organized 2days workshop on **Advance Concepts of JAVA** for third year students of ISE was conducted by InfiData Technologiesfrom **24/11/2022.**.A total of 50 students enrolled for this program . Total duration of the course was 14 hrs..

All the theory classes &lab practices were held at ISE Seminar Hall ,The Oxford College of Engineering from 9.00 am to 4.15 pm dated from **1/4/2023 and 11/4/2023**(2 days) .

The speaker Mr.Pranav Singh conducted Java programming concepts to all students along with how to create web application using Java and other techniques to work in Java environment using Java. The trainer taught basic programming like checking palindrome, changing the case using predefined functions and explained the file organization concept in Java and how to create web page using code to all students and also addressed with respect to placements.

All the trainers have good knowledge in all the programming concepts.All topics were explained well with examples and the classes were interactive.The trainers discussed possible interview questions of every topic and also gave interview tips .

By doing this workshop the students got an understanding of web development in integrated environment.

Student's feedback: Students were satisfied with course content and the way the sessions were conducted.

faculty feedback: The speakers discussed the interview questions with the students which will help the students for their placements .Overall the session was good for our third year students.

OBJECTIVES:

- Develop full-stack web sites based on content stored in an RDMS
- Use Java data types appropriately
- Define data models
- Understand the techniques in Java to create web site

OUTCOMES:

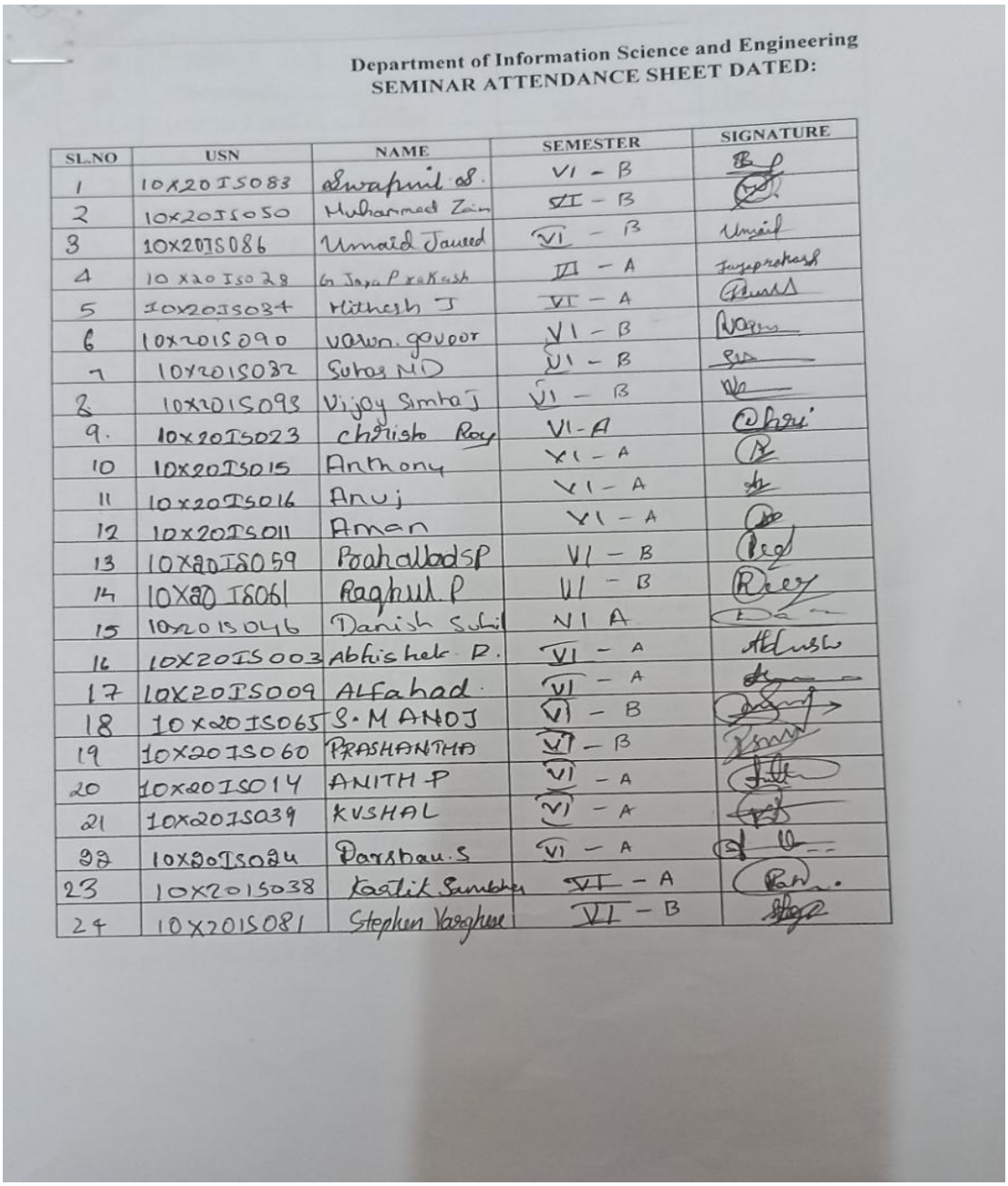
- How to create views with Java.
- How to serve static content and files using Java.
- How to connect templates with models to serve data dynamically.
- How to create Models and how to connect them with Templates and Views.

PHOTO COLLAGE

No. of Students participants: **50**
No. of Faculties: **8**

Videolink:https://drive.google.com/file/d/1aFi0_oTtF-Vub9rMrvqixOAyATX--Ekk/view?usp=sharing

List of attendees of the session



Department of Information Science and Engineering
SEMINAR ATTENDANCE SHEET DATED:

SL.NO	USN	NAME	SEMESTER	SIGNATURE
1	10X20IS083	Swapnil S.	VI - B	
2	10X20IS050	Muhammed Zain	VI - B	
3	10X20IS086	Umaid Jawed	VI - B	Umaid
4	10X20IS028	G Jaya Prakash	VI - A	Jayaprakash
5	10X20IS034	Hithesh J	VI - A	
6	10X20IS090	VARUN. GOUDAR	VI - B	
7	10X20IS092	Sohas MD	VI - B	
8	10X20IS093	Vijay Simha J	VI - B	
9.	10X20IS023	Chirisha Roy	VI-A	
10	10X20IS015	Anthony	VI - A	
11	10X20IS016	Anuj	VI - A	
12	10X20IS011	Aman	VI - A	
13	10X20IS059	Prahallad SP	VI - B	
14	10X20 IS061	Raghul P	VI - B	
15	10X20IS046	Danish Sahil	VI A	
16	10X20IS003	Abhishek P.	VI - A	
17	10X20IS009	ALFahad	VI - A	
18	10X20IS065	S. MANOJ	VI - B	
19	10X20IS060	PRASHANTHA	VI - B	
20	10X20IS014	ANITH P	VI - A	
21	10X20IS039	KUSHAL	VI - A	
22	10X20IS034	Darshan.S	VI - A	
23	10X20IS038	Kartik Sumbly	VI - A	
24	10X20IS081	Stephen Varghese	VI - B	

~~25~~	~~Dilip~~			
~~26~~	~~Mandeep~~			
25	10X20IS027	Dilip	VI - A	Dilip
26	10X20IS043	Mandeep	VI - A	Mandeep
27	10X20IS026	Chandan	VI - A	Chandan
28	10X20IS053	Neha R	6th - B	Neha
29	10X20IS058	P. Navya	6th - B	Navya. P.
30	10X20IS055	Nithya. R	6th - B	Nithya. R
31	10X20IS054	Nikitha M	6th - B	Nikitha. M
32	10X20IS051	Nagashrisha	6th - B	Nagashrisha
33	10X20IS078	Soujanya G	VI - B	Soujanya. G
34	10X20IS021	Chandana.T	6th - A	Chandana. T
35	10X20IS037	M. Indhusree	6th - A	M. Indhusree
36	10X20IS025	Deekshitha.T	6th - A	Deekshitha. T
37	10X20IS029	Harini.N	6th - A	Harini
38	10X20IS019	Brahmi	6th - A	Brahmi
38	10X20IS012	Anarghya	6th - A	Anarghya
39	10X20IS001	Kusuma Sree	6th - A	Kusuma Sree
40	10X20IS036	Bindu	6th - A	Bindu
41	10X20IS000	Aliya Mariyam	6th - A	Aliya
42	10X20IS042	Mahitha. B	6th - A	Mahitha
43	10X20IS032	Harshavardhini	6th - A	Harshavardhini
44	10X20IS045	Meghana	6th - A	Meghana
45	10X20IS008	Akanksha	6th - A	Akanksha
46	10X20IS006	Aishwarya.H	6th - A	Aishwarya. H
47	10X20IS002	Chandana.K	6th - A	K. Chandana
48	10X20IS017	Bhavana	6th - A	Bhavana
49	10X20IS013	Anina. Kumari	6th - A	Anina
50	10X20IS033	Harshitha. K S	6th - A	Harshitha

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

10/4/2023

SI.NO	FACULTY NAME	SIGNATURE
1.	Dr. Vanaja Roschni	
2.	Bindya	
3.	Riya	
4.	Pallu	
5.	Visalini	
6.	Diana	
7.	Karthik	
8.	Preja	

IIC COORDINATORS

(Bindya)

(Riya Sanjeth)

HOD-ISE

Dr. R. KANAGAVALLI
PROFESSOR & HOD-ISE
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Bommanahalli, Hosur Main ...

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REPORT

Workshop on Innovation and Design Thinking Opportunities in Python

Poster for Workshop

The Oxford college of Engineering has organized 2days workshop on Application development using Python & Django for third year students of ISE was conducted by **Beekoder Technologies Pvt .Ltd**, from **10/3/2023.**.A total of 96 students enrolled for this program . Total duration of the course was 14 hrs..

All the theory classes &lab practices were held at ISE Seminar Hall ,The Oxford College of Engineering from 9.00 am to 4.15 pm dated from **10/3/2023** (2 days) .

The speakers Mr. **Emmanual Smiji** and Mr **Ankit Tiwari** conducted python programming concepts to all students along with how to create web application using python and Django environment. The trainer taught basic programming like checking palindrome, changing the case using predefined functions and explained the file organization concept in Django and how to create web page using python code to all students.

All the trainers have good knowledge in all the programming concepts.All topics were explained well with examples and the classes were interactive.The trainers discussed possible interview questions of every topic and also gave interview tips .

By doing this workshop the students got an understanding of web development in integrated environment.

Student's feedback: Students were satisfied with course content and the way the sessions were conducted.

faculty feedback: The speakers discussed the interview questions with the students which will help the students for their placements .Overall the session was good for our third year students.

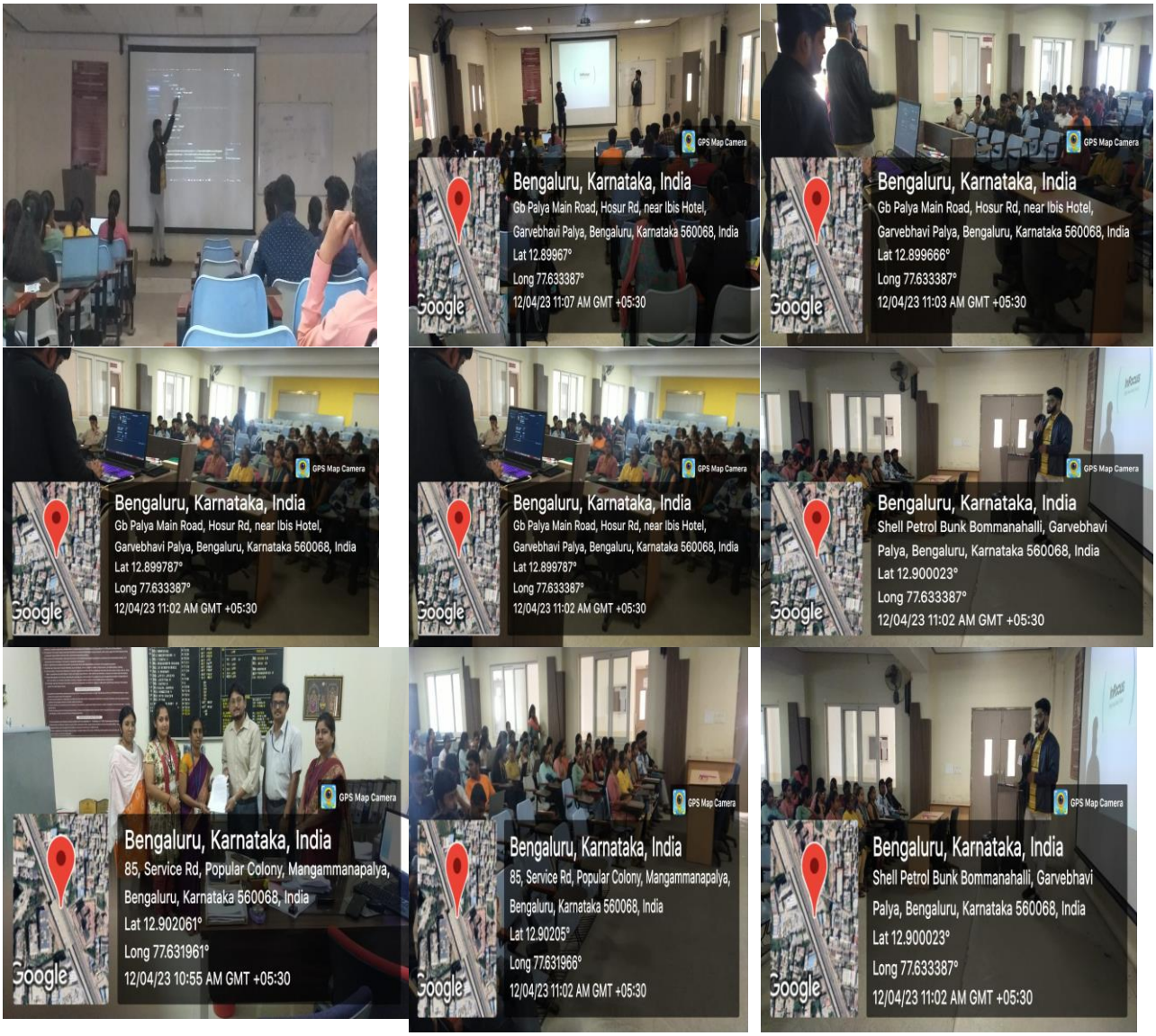
OBJECTIVES:

- Develop full-stack web sites based on content stored in an RDMS
- Use python data types appropriately
- Define data models
- Understand the architecture of a Django-based web site

OUTCOMES:

- How to create routes (or views) with Django.
- How to serve static content and files using Django.
- How to connect templates with models to serve data dynamically.
- How to create Models and how to connect them with Templates and Views.

PHOTO COLLAGE



Mr. Emmanual Smiji explaining the python program and photo gallery of workshop conducted

No. of Students participants: **50**

No. of Faculties: **8**

Videolink:https://drive.google.com/file/d/1aFi0_oTtF-Vub9rMrvqixOAyATX--Ekk/view?usp=sharing

Facebooklink:https://m.facebook.com/story.php?story_fbid=pfbid0tE6aSNtVMHeaWPk6kvwqKGg6nkNiSsSo7ZsS8fmWGDDYMHihfoFTczT7jFEzVnopl&id=100076261560657&mibextid=Nif5oz

List of attendees of the session

Department of Information Science and Engineering
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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

10/4/2023

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2.	Bindya	
3.	Riya	
4.	Pallu	
5.	Visalini	
6.	Diana	
7.	Karthik	
8.	Preja	

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(Bindya)

(Riya Sanjeth)

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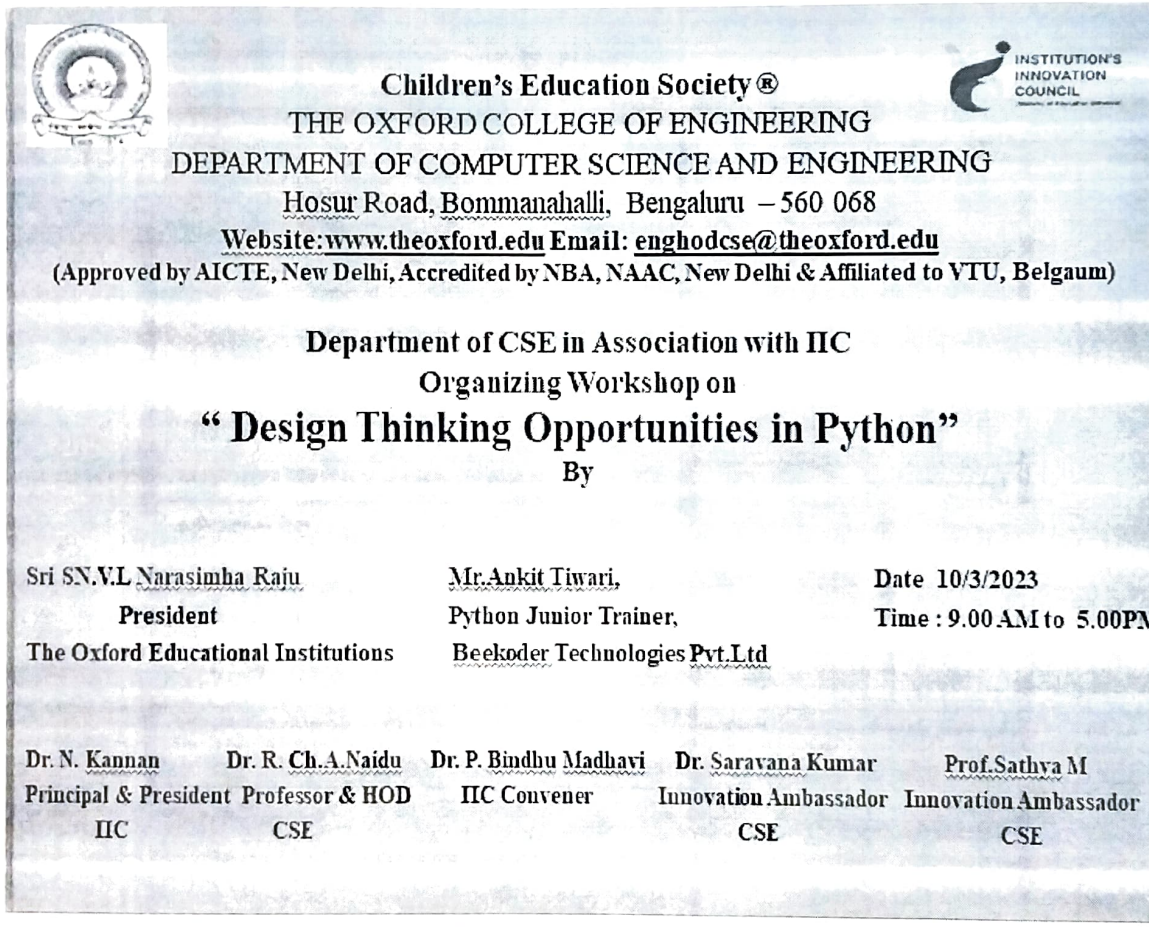
REPORT

Workshop on Innovation and Design Thinking Opportunities in Python



Poster for Workshop

The Oxford college of Engineering, Department of Computer Science has organized 2days workshop on Application development using Python & Django for third year students of

ISE was conducted by **Beekoder Technologies Pvt .Ltd**, from **10/3/2023**..A total of 100 students enrolled for this program . Total duration of the course was 14 hrs..

All the theory classes &lab practices were held at CSE Seminar Hall ,The Oxford College of Engineering from 9.00 am to 4.15 pm dated from **10/3/2023** (2 days) .

The speakers Mr. **Emmanual Smiji** and Mr **Ankit Tiwari** conducted python programming concepts to all students along with how to create web application using python and Django environment. The trainer taught basic programming like checking palindrome, changing the case using predefined functions and explained the file organization concept in Django and how to create web page using python code to all students.

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OBJECTIVES:

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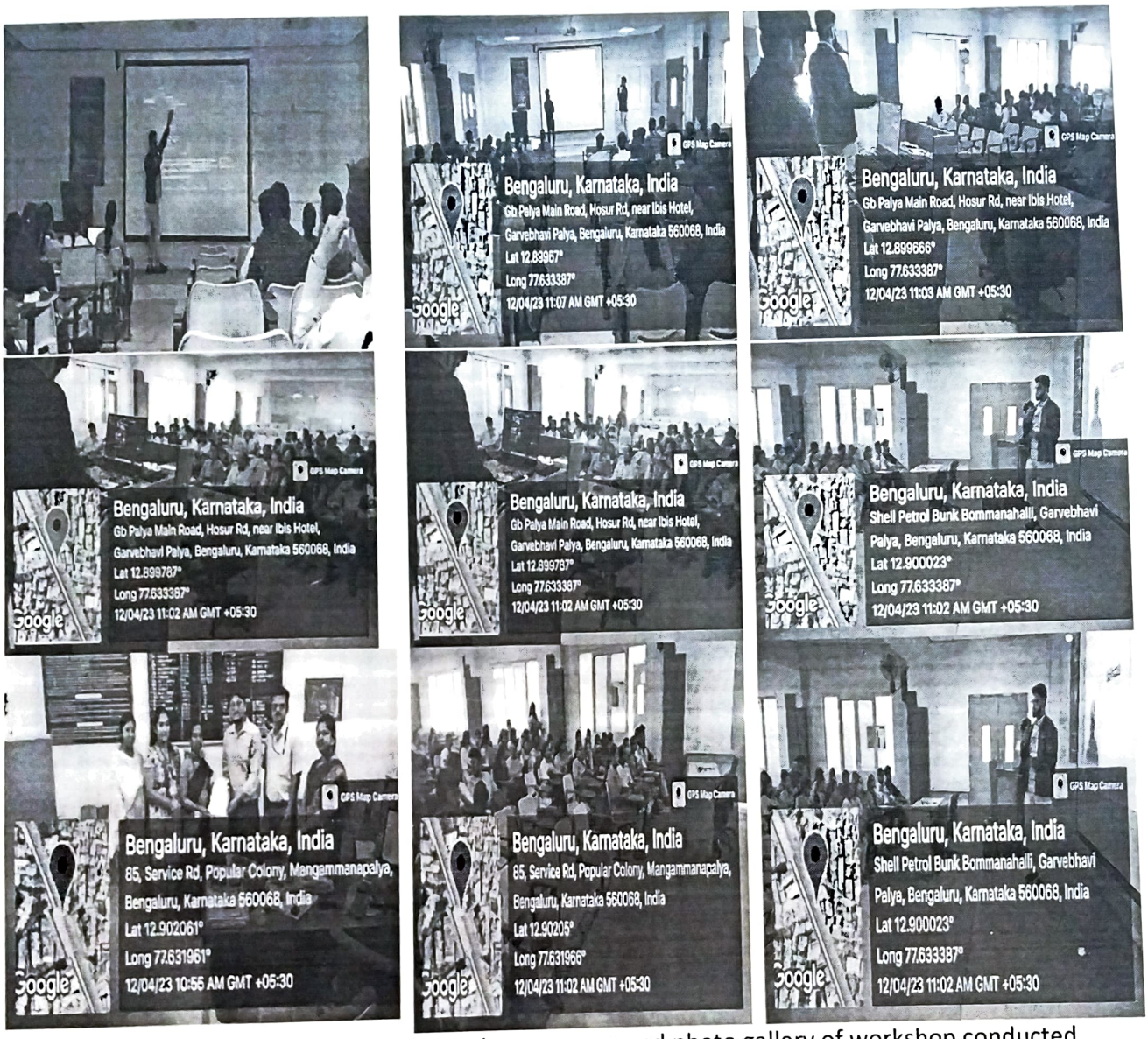
- How to connect templates with models to serve data dynamically.
- How to create Models and how to connect them with Templates and Views.

PHOTO COLLAGE



Mr. Emmanual Smiji explaining the python program and photo gallery of workshop conducted

No. of Students participants: **70**

No. of Faculties: **10**

Videolink:https://drive.google.com/file/d/1aFi0_oTtF-Vub9rMrvqixOAyATX--Ekk/view?usp=sharing

Facebooklink:https://m.facebook.com/story.php?story_fbid=pfbid0tE6aSNtVMHeaWPk6kvwqKGg6nkNiSsSo7ZsS8fmWGDDYMHihfoFTczT7jFEzVnopl&id=100076261560657&mibextid=Nif5oz

SL NO.	USN	STUDENT NAME
1	1OX20CS055	K M BINDU SHREE
2	1OX20CS061	KHAN SOHAN MASUM
3	1OX20CS002	AARON
4	1OX20CS016	APARNA
5	1OX20CS024	AVANISHRI P B
6	1OX20CS097	YASHASWI R
7	1OX20CS065	KRUTHIKA K
8	1OX20CS064	KRUTHIK R S
9	1OX20CS066	LAKSHMI N
10	1OX20CS069	MAITHRI M NAIK
11	1OX20CS067	LINGESH
12	1OX20CS060	KEERTHIKA P N
13	1OX20CS071	MANJUNATH RAJSHEKHAR
14	1OX20CS073	MANOJ C
15	1OX20CS072	MANJUNATHA S N
16	1OX20CS075	MEHARUNISSA
17	1OX20CS074	MD SHAD IMAM
18	1OX20CS057	KARTHIK B M
19	1OX20CS086	NEHA FARHEEN
20	1OX20CS087	NIDHI NARENDRA
21	1OX20CS088	NIHAL H
22	1OX20CS110	SAI GOKUL K P
23	1OX20CS106	ROSHAN IMMANUEL
24	1OX20CS105	ROHAN

25	1OX20CS090	NISHA R
26	1OX20CS091	NITHYA K G
27	1OX20CS092	PADMININ M
28	1OX20CS093	PIYUSH RANJAN
29	1OX20CS094	POTTIPATI PAVAKUMAR REDDY
30	1OX20CS095	PRAJWAL R SHETTY
31	1OX20CS115	SATHWIK N
32	1OX20CS112	SANDEEP S
33	1OX20CS046	GOWTHAMI R
34	1OX20CS047	HARIHARAN A
35	1OX20CS048	HARSH AGARWAL
36	1OX20CS049	HARSHA M V
37	1OX20CS070	MANJUNATH
38	1OX20CS081	NANDININ M
39	1OX20CS082	NANDISH REDDY G

IIC-AMBASSADOR

HOD

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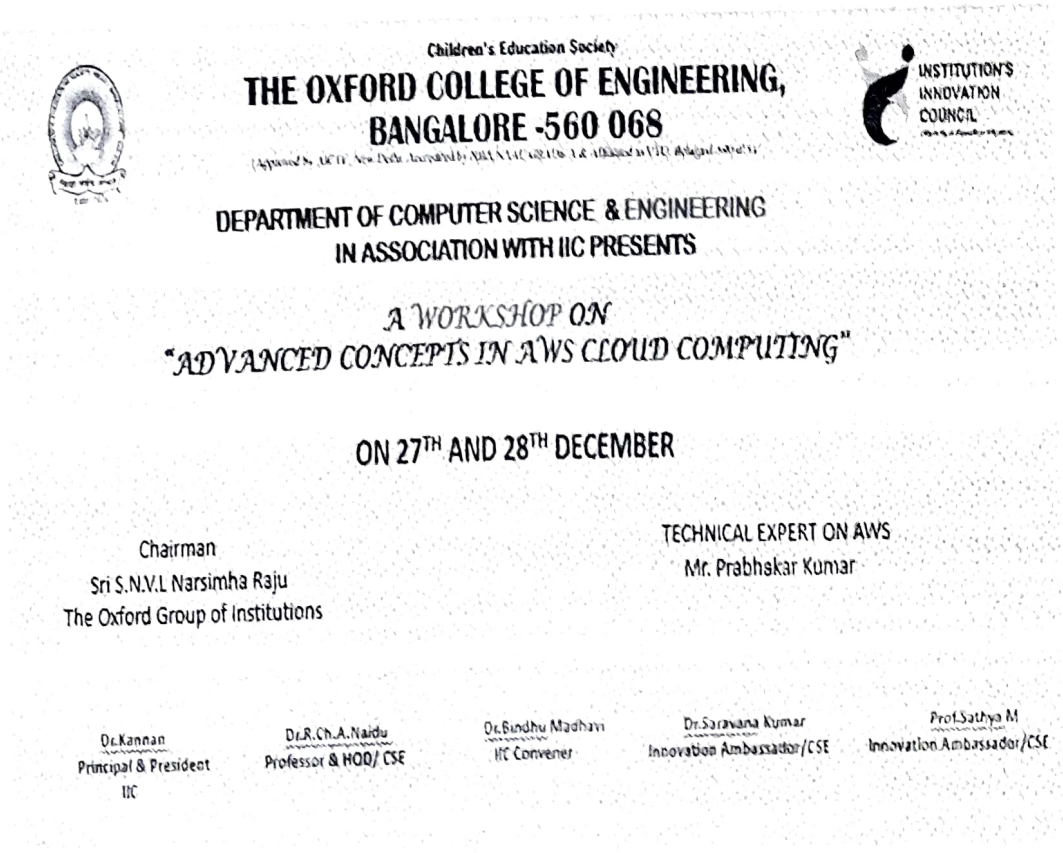
Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu

REPORT

Workshop on "Advanced Concepts in AWS Cloud Computing "

Conducted by the Department of CSE



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INSTITUTION'S INNOVATION COUNCIL

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
IN ASSOCIATION WITH IIC PRESENTS

A WORKSHOP ON
"ADVANCED CONCEPTS IN AWS CLOUD COMPUTING"

ON 27TH AND 28TH DECEMBER

Chairman
Sri S.N.V.L Narsimha Raju
The Oxford Group of Institutions

TECHNICAL EXPERT ON AWS
Mr. Prabhakar Kumar

Dr.Kannan
Principal & President
IIC

Dr.R.Ch.A.Naidu
Professor & HOD/ CSE

Dr.Bindhu Madhavi
IIC Convener

Dr.Saravana Kumar
Innovation Ambassador/CSE

Prof.Sathya M
Innovation Ambassador/CSE

Department of Computer Science & Engineering in association with IIC, The Oxford College of Engineering is associated with Team Lease EdTech Ltd for training students on the AWS Cloud Computing Practitioner certification program. It willbe a 3 months training program followed by an examination of certification. This will be a free program for a batch of 35 students under the CSR initiative. The Oxford College of Engineering will be providing infrastructure support for implementing the program. For the said training Mr. Prabhakar Kumar from Team Lease EdTech will be the trainer for 3 months.

The training will commence on 27th Dec, 2022 every day from 10 am to 1 PM.

The event has been kick-started with a formal Inaugural function, the following dignitaries were present and motivated the students.

- Mr.Swarup Bhattacharya, Head Operations of CSR, Assistant General Manager Learning Services, TeamLease
- Ms. Bhavana, TeamLease
- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. R.Ch.A.Naidu,Professor /Head-CSE, The Oxford College of Engineering
- Mr. Prabhakar Kumar, Certified AWS Trainer, TeamLease EdTech

OBJECTIVES OF THE WORKSHOP:

- The AWS Cloud Computing Workshop will make participants adapt to various cloud computing architectures.
- Live projects will help participants keep up with all technologies, tools, and methodologies required to understand and work on cloud computing principles used in the IT industry.
- To understand the core concepts of "AWS Cloud Computing" together with the different attributes such as reliability, fault tolerance, elasticity, scalability, and pay-as-you-go pricing.

OUTCOMES OF THE WORKSHOP:

1. Understanding AWS Cloud Concepts: Workshop aim to provide participants with a comprehensive understanding of the fundamental concepts and principles of cloud computing, specifically within the AWS ecosystem. This includes learning about various AWS services, architecture, security, scalability, and best practices.

2. Hands-on Experience: Workshops often include practical exercises and hands-on labs to give participants the opportunity to apply their knowledge and gain practical experience with AWS services. This helps in building confidence and proficiency in using AWS tools and services.

3. Deployment and Management Skills: Participants learn how to deploy, manage, and scale applications on AWS infrastructure. They gain insights into provisioning resources, managing virtual servers, setting up networking, configuring storage, and automating tasks using AWS services like Amazon EC2, Amazon S3, Amazon RDS, etc.

4. Cost Optimization: A significant focus of AWS workshop is to teach participants how to optimize costs in the cloud. They learn about cost-effective resource allocation, monitoring usage, leveraging cost management tools, and implementing best practices to minimize expenses while maximizing performance.

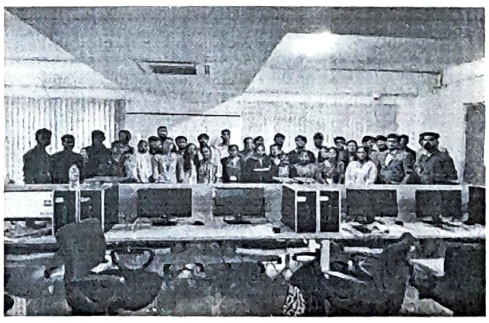
5. Security and Compliance: AWS workshop emphasize the importance of security and compliance in cloud computing. Participants learn about identity and access management, network security, data encryption, and implementing security measures to protect their applications and data on AWS.

6. Scalability and Performance: Workshop cover topics related to scaling applications and ensuring high performance on AWS. Participants learn about auto-scaling, load balancing, caching mechanisms, and other techniques to optimize application performance and handle traffic spikes effectively.

7. Best Practices and Architecture Design: Participants gain insights into AWS best practices for designing and architecting cloud solutions. They learn about fault tolerance, high availability, disaster recovery, and designing scalable, resilient, and cost-efficient architectures on AWS.

8. Certification Preparation: It specifically focused on preparing participants for AWS certifications. It provided guidance on the exam structure, review key topics, and offer practice tests to help participants become certified AWS professionals.

Looking forward to having this association a great success.



LIST OF PARTICIPANTS:

SL NO.	USN	STUDENT NAME
1	1OX18CS059	RAHUL RAJESH
2	1OX18CS060	RAKSHITHA G S
3	1OX18CS004	AKASH KHIMAVATH U
4	1OX18CS016	BASKAR VB
5	1OX18CS025	K GOWTHAMAN
6	1OX18CS092	YASHASWI R
7	1OX19CS063	NARENDRA S
8	1OX19CS064	NAVYA S
9	1OX19CS065	NIKHIL G MENDON
10	1OX19CS066	NIVETHA E
11	1OX19CS067	PALLAVI K M
12	1OX19CS068	PALLAVI MADIWALAR
13	1OX19CS070	PETA PAVAN KUMAR REDDY
14	1OX19CS071	PRATHIKSHA S
15	1OX19CS072	R AKSHITHA SREE
16	1OX19CS073	RACHANA M
17	1OX19CS074	RAHUL M
18	1OX19CS075	RAHUL R
19	1OX19CS076	RAKSHITHA KADEKAR
20	1OX19CS077	RAVI KIRAN S
21	1OX19CS078	REKHA K
22	1OX19CS080	RUSHALI S
23	1OX19CS081	SRIDHARN S Y
24	1OX19CS082	SAHAI H R
25	1OX19CS083	SAHANA K
26	1OX19CS084	SAI SUMANTH S

27	1OX19CS085	SAIFULLA BAGALKOT
28	1OX19CS086	SAMAD SAAD
29	1OX19CS087	SAMEER ABBAS
30	1OX19CS088	SANDHYA V MURTHY
31	1OX19CS089	SANGEETHA P
32	1OX19CS090	SANJANA H B
33	1OX19CS091	SANTOSH KUMAR PANDEY
34	1OX19CS092	SARVESH P
35	1OX19CS093	SHAKTIVELU G

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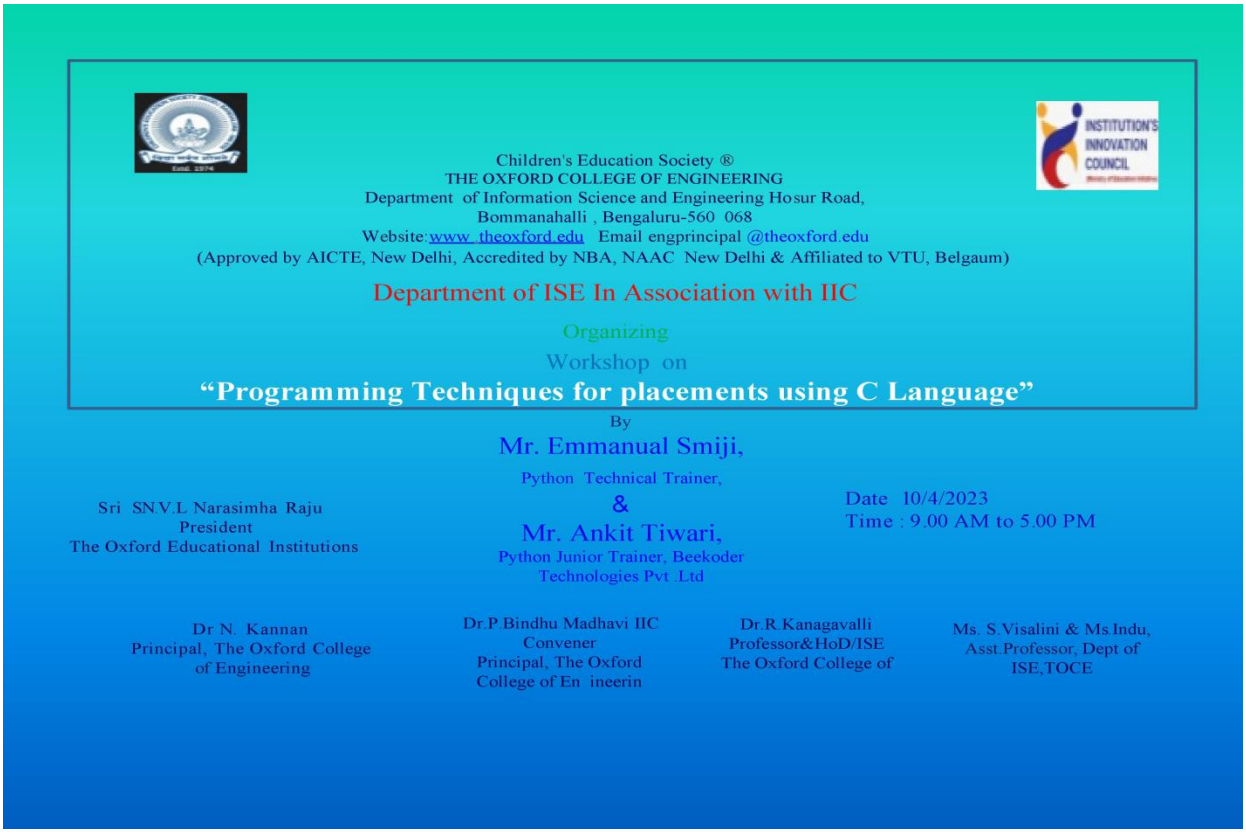
REPORT

Workshop on "Programming Techniques for placements using C Language"



Poster for Workshop

The Oxford college of Engineering has organized 2days workshop on **Programming Techniques for placements using C Language** for third year students of ISE was conducted by **Beekoder Technologies Pvt .Ltd**, from **10/4/2023 and 11/4/2023.**.A total of 96 students enrolled for this program . Total duration of the course was 14 hrs..

All the theory classes &lab practices were held at ISE Seminar Hall ,The Oxford College of Engineering from 9.00 am to 4.15 pm dated from **10/4/2023 and 11/4/2023**(2 days) .

The speakers Mr. **Emmanual Smiji** and Mr **Ankit Tiwari** conducted C programming concepts to all students along with how to create web application using C and other techniques to work in C environment using C. The trainer taught basic programming like checking palindrome, changing the case using predefined functions and explained the file organization concept in C and how to create web page using C code to all students and also addressed with respect to placements.

All the trainers have good knowledge in all the programming concepts.All topics were explained well with examples and the classes were interactive.The trainers discussed possible interview questions of every topic and also gave interview tips .

By doing this workshop the students got an understanding of web development in integrated environment.

Student's feedback: Students were satisfied with course content and the way the sessions were conducted.

faculty feedback: The speakers discussed the interview questions with the students which will help the students for their placements .Overall the session was good for our third year students.

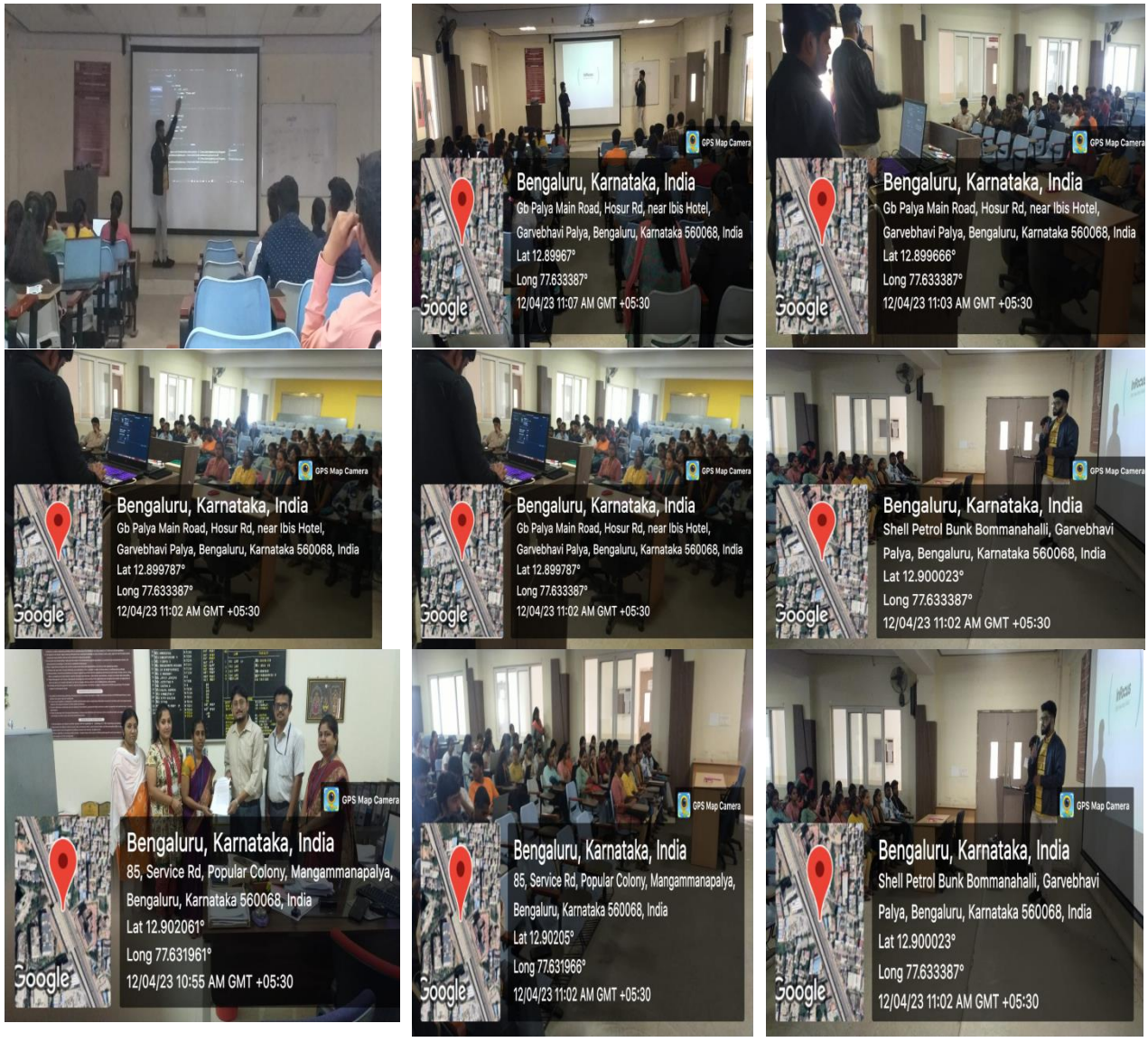
OBJECTIVES:

- Develop full-stack web sites based on content stored in an RDMS
- Use C data types appropriately
- Define data models
- Understand the techniques in C to create web site

OUTCOMES:

- How to create routes (or views) with C.
- How to serve static content and files using C.
- How to connect templates with models to serve data dynamically.
- How to create Models and how to connect them with Templates and Views.

PHOTO COLLAGE

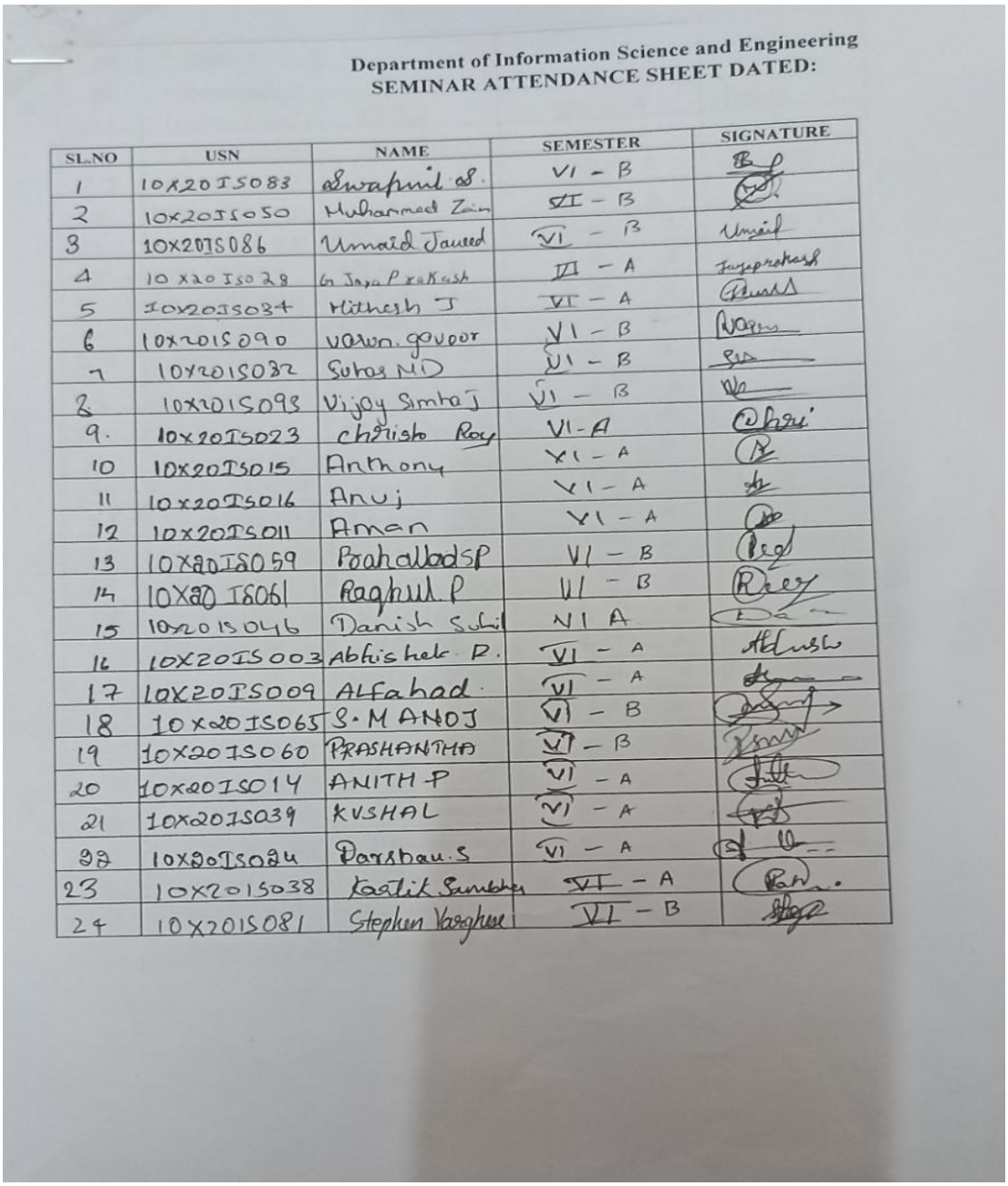


Mr. Emmanual Smiji explaining the python program and photo gallery of workshop conducted

No. of Students participants: **60**
No. of Faculties: **8**

Videolink:https://drive.google.com/file/d/1aFi0_oTtF-Vub9rMrvqixOAyATX--Ekk/view?usp=sharing

List of attendees of the session



Department of Information Science and Engineering
SEMINAR ATTENDANCE SHEET DATED:

SL.NO	USN	NAME	SEMESTER	SIGNATURE
1	10X20IS083	Swapnil S.	VI - B	
2	10X20IS050	Muhammed Zain	VI - B	
3	10X20IS086	Umaid Jawed	VI - B	Umaid
4	10X20IS028	G Jaya Prakash	VI - A	Jayaprakash
5	10X20IS034	Hithesh J	VI - A	
6	10X20IS090	VARUN. GOUDAR	VI - B	
7	10X20IS092	Sohas MD	VI - B	
8	10X20IS093	Vijay Simha J	VI - B	
9.	10X20IS023	Chirisha Roy	VI-A	
10	10X20IS015	Anthony	VI - A	
11	10X20IS016	Anuj	VI - A	
12	10X20IS011	Aman	VI - A	
13	10X20IS059	Prahallad SP	VI - B	
14	10X20 IS061	Raghul P	VI - B	
15	10X20IS046	Danish Sahil	VI A	
16	10X20IS003	Abhishek P.	VI - A	
17	10X20IS009	ALFahad	VI - A	
18	10X20IS065	S. MANOJ	VI - B	
19	10X20IS060	PRASHANTHA	VI - B	
20	10X20IS014	ANITH P	VI - A	
21	10X20IS039	KUSHAL	VI - A	
22	10X20IS034	Darshan.S	VI - A	
23	10X20IS038	Kartik Sumbly	VI - A	
24	10X20IS081	Stephen Varghese	VI - B	

~~25~~	~~Dilip~~			
~~26~~	~~Mandeep~~			
25	10X20IS027	Dilip	VI - A	Dilip
26	10X20IS043	Mandeep	VI - A	Mandeep
27	10X20IS026	Chandan	VI - A	Chandan
28	10X20IS053	Neha R	6th - B	Neha
29	10X20IS058	P. Navya	6th - B	Navya. P.
30	10X20IS055	Nithya. R	6th - B	Nithya. R
31	10X20IS054	Nikitha M	6th - B	Nikitha. M
32	10X20IS051	Nagashrisha	6th - B	Nagashrisha
33	10X20IS078	Soujanya G	VI - B	Soujanya. G
34	10X20IS021	Chandana.T	6th - A	Chandana. T
35	10X20IS037	M. Indhusree	6th - A	M. Indhusree
36	10X20IS025	Deekshitha.T	6th - A	Deekshitha. T
37	10X20IS029	Harini.N	6th - A	Harini
38	10X20IS019	Brahmi	6th - A	Brahmi
38	10X20IS012	Anarghya	6th - A	Anarghya
39	10X20IS001	Kusuma Sree	6th - A	Kusuma Sree
40	10X20IS036	Bindu	6th - A	Bindu
41	10X20IS000	Aliya Mariyam	6th - A	Aliya
42	10X20IS042	Mahitha. B	6th - A	Mahitha
43	10X20IS032	Harshavardhini	6th - A	Harshavardhini
44	10X20IS045	Meghana	6th - A	Meghana
45	10X20IS008	Akanksha	6th - A	Akanksha
46	10X20IS006	Aishwarya.H	6th - A	Aishwarya. H
47	10X20IS002	Chandana.K	6th - A	K. Chandana
48	10X20IS017	Bhavana	6th - A	Bhavana
49	10X20IS013	Anina. Kumari	6th - A	Anina
50	10X20IS033	Harshitha. K S	6th - A	Harshitha

51.	1OX2015072	Shreya V	6th - B	
52.	10X2015087	VarshaArun	6th - B	Varsha A
53.	10X2015066	Sakshi S.M	6th - B	Sakshi
54.	10X2015088	Varshini. N	6th - B	Varshini. N
55.	10X2015076	Shwetha S	6th - B	
56.	10X2015080	Sakshi. K.S	6th - B	Sakshi. K.S
57.	10X2015018	Bhumika Jadhav	6th - A	Bhumika JB
58.	10X2015091	Veera K. M	6th - B	Veera K M
59.	10X2015063	Raveena M	6th - B	Raveena M
60.	10X2015062	Rakshitha Hc	6th - B	Rakshitha Hc

COORDINATOR

(Riya Sanjeish)

(BINDYASHREE)

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PROFESSOR & HOD-ISE
The Oxford College Of Engineering
Bommanahalli, Hosur Main Road,
Bengalore 560 068.

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

10/4/2023

SI.NO	FACULTY NAME	SIGNATURE
1.	Dr. Vanaja Roschni	
2.	Bindya	
3.	Riya	
4.	Pallu	
5.	Visalini	
6.	Diana	
7.	Karthik	
8.	Preja	

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(Bindya)

(Riya Sanjeth)

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Website:www.theoxford.edu

DEPARTMENT OF MCA

SKILL DEVELOPMENT PROGRAM-1

TITLE: Entrepreneurship Skill Development in AWS Cloud

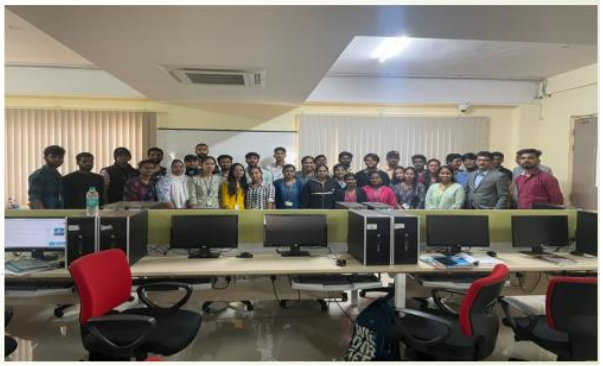
Workshop Report on Skill Development in AWS Cloud

Department of MCA, The Oxford College of Engineering is associated with TeamLease EdTech Ltd for training students on the AWS Cloud Computing Practitioner certification program. It will be a 3 months training program followed by examination of certification. This will be a free program for a batch of 35 students under the CSR initiative. The Oxford College of Engineering will be providing infrastructure support for implementing the program. For the said training Mr. Prabhakar Kumar from TeamLease EdTech will be the trainer for 3 months. The training will commence from 27th Dec, 2022 everyday from at 10 am to 1 PM.

The event has been kick started with a formal Inaugural function, the following dignitaries were present and motivated the students.

- Mr.Swarup Bhattacharya, Head Operations of CSR, Assistant General Manager Learning Services, TeamLease
- Ms. Bhavana, TeamLease
- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. M S Shashidhara, Head-MCA, The Oxford College of Engineering
- Mr. Prabhakar Kumar, Certified AWS Trainer, TeamLease EdTech

Looking forward to having this association a great success.



List of Beneficiaries'

SL NO	USN	Name
1	1OX21MC002	Abhilash Tripathy
2	1OX21MC010	Anil Kumar Mishra
3	1OX21MC011	Anitha H
4	1OX21MC012	Ankur Kumar
5	1OX21MC017	Ashok Kumar

6	1OX21MC024	Bhavani M
7	1OX21MC025	Meet Bundela
8	1OX21MC026	C Swathi
9	1OX21MC035	Gomedhika k
10	1OX21MC045	Lekhana V

11	1OX21MC047	Madhushree s
12	1OX21MC052	Manush V
13	1OX21MC054	Mohammed Safi
14	1OX21MC056	Monica S
15	1OX21MC059	P Revanth kumar Reddy
16	1OX21MC062	Payas gh
17	1OX21MC063	Pavithra Dk
18	1OX21MC064	P.somasekhar reddy
19	1OX21MC067	Prashantha E
20	1OX21MC068	Premalatha V
21	1OX21MC073	Raveena Y
22	1OX21MC075	Rekha H
23	1OX21MC078	Rohith B
24	1OX21MC081	Sadhu Veera Mohan
25	1OX21MC082	Sagar H M
26	1OX21MC088	sharmila jansy.p
27	1OX21MC092	Shubham Nimbalakar
28	1OX21MC093	Shwetha K
29	1OX21MC097	Sufiya Ali M
30	1OX21MC098	Sugumaran A
31	1OX21MC099	Supriya V
32	1OX21MC101	Surya Kumar K
33	1OX21MC103	Swathi M K
34	1OX21MC105	Tharun N
35	1OX21MC117	R Giri Prasad Reddy

HOD IIC COORDINATOR IIC CONVENER IIC PRESIDENT

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Oxford College of Engineering
Bommanahalli
Bengaluru

PRINCIPAL
The Oxford College of Engineering
Bommanahalli
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Website:www.theoxford.edu

DEPARTMENT OF MCA

SKILL DEVELOPMENT PROGRAM-2

TITLE: Design thinking opportunities through UI Automation & Excel

Workshop Report on Design thinking opportunities through UI Automation & Excel conducted by Department Of MCA

Department of MCA, The Oxford College of Engineering is association with ICC organized an one day workshop on "Design thinking opportunities through UI Automation & Excel" on 6th March 2023.The event has been kick-started with a formal Inaugural function, the following dignitaries were present and motivated the students.

- Ms Divyashree M, MD Kasiaex Solutions Pvt. Ltd.
- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. Puja Shashi, Head-MCA, The Oxford College of Engineering

Introduction:

Design thinking is an iterative problem-solving approach that focuses on understanding user needs and finding creative solutions to meet those needs. User Interface (UI) automation is the process of automating user interactions with an application's graphical user interface (GUI). Excel is a popular spreadsheet software used for data analysis, reporting, and visualization. In this report, we will discuss the application of design thinking in developing UI automation using Excel.

Design Thinking Process:

The design thinking process consists of five stages: empathize, define, ideate, prototype, and test. The first stage, empathize, involves understanding the user's needs, motivations, and pain points. The second stage, define, involves defining the problem statement based on the insights gained from the empathize stage. The third stage, ideate, involves generating ideas and selecting the best ones based on their feasibility, viability, and desirability.

Application of Design Thinking in UI Automation Using Excel:

The application of design thinking in developing UI automation using Excel involves understanding the user's needs, defining the problem statement, ideating potential solutions, creating a prototype, and testing the prototype.

Empathize:

The first step in developing UI automation using Excel is to understand the user's needs. In this case, the user is a person who performs repetitive tasks using Excel, such as data entry, data manipulation, and report generation. To understand the user's needs, we can conduct user interviews, surveys, and observation. We can ask questions such as:

Define:

The problem statement for developing UI automation using Excel can be "The user spends a significant amount of time performing repetitive tasks in Excel, resulting in reduced productivity and increased errors."

Ideate:

The ideate stage involves generating potential solutions to the problem statement. Some potential solutions for developing UI automation using Excel are:

Use Excel VBA (Visual Basic for Applications) to automate repetitive tasks.

Use Excel macros to automate repetitive tasks.

Based on the feasibility, viability, and desirability of the potential solutions, we can select the best solution for the user. In this case, we will select the Excel VBA solution because it is easy to implement, does not require additional software, and can be customized to meet the user's specific needs.

Prototype:

The next step is to create a prototype of the solution. The prototype for UI automation using Excel VBA can be a macro that automates a repetitive task such as data entry, data manipulation, or report generation. The macro can be created using the Excel VBA editor, which provides a development environment for creating macros.

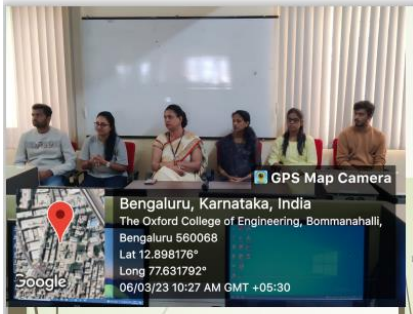
Test:

The final step is to test the prototype with users and gather feedback to refine the solution. The user can test the macro with their data and provide feedback on its usability, effectiveness, and efficiency. Based on the feedback, the macro can be refined to meet the user's specific needs.

Outcome:

In Outcome, design thinking is an iterative problem-solving approach that can be applied to developing UI automation using Excel. The design thinking process consists of five stages: empathize, define, ideate, prototype, and test. By applying the design thinking process.

Total of 21 Faculties and 118 Students from all department have attended the Program.



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(Ministry of HRD Initiative)

THE OXFORD COLLEGE OF ENGINEERING
BENGALURU, INDIA

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Hosur Road, Bommanahalli, Bangalore-560068

Department of Computer Applications (MCA)

organizing

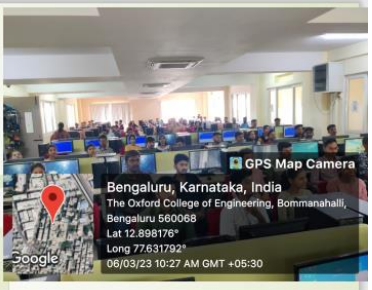
"One Day workshop on Design thinking opportunities through UI Automation & Excel"

IN ASSOCIATION WITH IIC, ON **March 6, 2023 10:00 AM on words**

RESOURCE PERSON

Ms. Divyashree Muddagangaiah,
Managing Director, Kasiaex Solutions Pvt. Ltd.
Bangalore

Dr. Puja Shashi	Dr. Bindu Madhavi	Dr. N KANNAN
PROFESSOR, MCA	**IIC Coordinator**	Principal & President, IIC
The Oxford College of Engineering	**The Oxford College of Engineering**	**The Oxford College of Engineering**



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Hosur Road, Bommanahalli, Bengaluru-560 068
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THE OXFORD COLLEGE OF ENGINEERING
BENGALURU, INDIA

One Day workshop on " Design thinking opportunities through UI Automation & Excel"

Participation List

Sl. No	Name of the Participant	Signature	Department
1	Nameera Banu	Nameera	MCA-B
2	Swathi R.M	Swathi	MCA-B
3	Amrutha. R	Amrutha.R	MCA-B
4.	Divya. A.N	Divya	MCA-B
5	Swathi	swathi	MECE
6	Rekha. H	Rekha H	ECE
7	Shilpa.N	Shilpa	ECE
8.	Soumya.M.S	Soumya	ECE
9	Bindu sree M	Bindu Sree M	MCA
10	Priya.V	Priya.V	MCA
11	Shilpa.R	Shilpa R	MCA
12	Ashwitha.A	Ashwitha	MCA
13	Sanjana.S	Sanjana	MCA
14.	Rachita. Palakshappa	Rachita	MCA
15.	MAHESHA S.N	Mahesha SN	MCA
16.	Sindhu.N	Sindhu.N	MCA
17	Madhan.K.V	Madhan.K.V	MCA
18.	Meghana Gowda M.V	Meghana Gowda	MCA
19.	Keerthana HS	Keerthana.H.S	MCA
20	Sahana. H.M	Sahana.H.M	M.BA-B
21	Shravani. N	Shravani.N	MBA B

22	Sib Lujit	[signature]	BT
23	Sakshin Kumar. S	[signature]	BT
24	Ashwini M S	[signature]	CSE
25	Gayathri. K	Gayathri. K	CSE
26	DAPHNE PRIYA	Daphne	CSE
27	Veena K.M	Veena K.M	ISE
28	Chandana. T	Chandana T	ISE
29	Roshan Immanuel	Roshan	CSE
30	Khan Sohan Masum	[signature]	CSE
31	Harsha M.V	[signature]	CSE
32	Apoorva. N	[signature]	CSE
33	Shreya Pattgoshi	Pattgoshi	BT
34	Vibha J Shetty	[signature]	BT
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37	Monika. S	[signature]	MBA
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53	Gretal. N		BT
54	Deepika	Deepika	BT
55	Anvitha. M. A	Anvitha. M. A	BT
56	Navya. T. L		CSE
57	Ramya. S. J	Ramya	CSE
58	Anushree		CSE
59	Anjali	Anjali.	CSE
60	Akshay kumar. S		MT
61	LOKESH. S		M.T
62	Nazim Khan		EE
63	Shashikumar. Raju		EE
64	Sahana. J	Sahana	B.T
65	Meghana M Raju		BT
66	Vivedhitha. S		BT
67	Yathesh. M. N	Yathesh. M. N	B.T.
68.	Abhishek	Abh.	B.T.
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73	Thejas Bailady		MCA

74.	SHREEHARI. G	Shreehari	MCA
75	Sunitha	Sunitha	MCA
76.	Aaditya Kumar Dubey	Aadi	BCSE
77	Himansh	Himansh	CSE
78	Husain	Husain	CSE
79	Muhammed Zain		ISE
80	Mohammed Danish S		ISE
81	MAAZ SHARIFF	Maaz Sharif	MBA.
82	Rakshith. N	Rakshith	MBA
83	Robert · Reji	Robert	M·B·A
84	Babu R.C	Babu R.C	M.B.A
85	Girish. K.V	Girish	MBA
86	Nithin	Nithin	MBA
87.	Ravi Kumar S.M.	Ravi Kumar S.M.	MBA
88.	Rathnavel.s	Rathnavel.s	MBA.
89	Prajwal.P	Prajwal	MBA
90	Shwetha Shrinivasa		ISE
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92	K.Jyothi	K.J	ISE.
93.	Sudhakar-N	Sudhakar-N	CSE
99	Sai Gokul		CSE
100	Sathwik N		CSE
101	Dhanush HR	Dhanush HR	CSE
102	Siddhant Kumar		CSE
103	Muralidhar. I.J	Muralidhar IJ	CSE
104	Naveen Reddy.G		CSE

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106	Priyanka Leeya Pereira		MCA
107	Shalini. G. D		MCA
108	Shreya satyanayak		MCA.
109	Sneha. V		CSE
110	Sangeetha. B	Sangeetha. B	MBA
111	Navyashree. C.	Navyashree. C.	MBA
112	Pavithra S.K	Pavithra	BT
113	Aishwarya. V	Aishwarya. V	CSE
114	Hariharan A		CSE
115	B. Indrasena Reddy	B. Indra	ECE
116	VIVEK. V	Vivek	MCA
117	Nihar	Nihar	CSE
118	L. Mahesh		MCA

HOD-MCA

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DEPARTMENT OF MCA

SKILL DEVELOPMENT PROGRAM -3

Title: Boot camp on Python Programming

Workshop Report on Skill development program of Python Programming conducted by Department Of MCA

Department of MCA, The Oxford College of Engineering is associateion with ICC organized an Student Development Program on "**3 Day boot camp on Python Programming**" on 11 to 13th Jan 2023.The event has been kick-started with a formal Inaugural function, the following dignitaries were present and motivated the students.

- Purnendu Mukherjee, Automation Engineer (Automation QA) BEE KODER
- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. M S Shashidhara , Head-MCA, The Oxford College of Engineering

Introduction:

Python is often hailed as one of the best programming languages for first-time coders to learn as they break into programming. It's the main technology powering big data, finance, and statistics, and its clean syntax reads like English. Python developers are in demand, not to mention the average Python developer in New York City earns $140,000 per year! Companies like Amazon, Dropbox, and Dell are built on this powerful language, making it a great time to learn Python bootcamp. We're breaking down Python bootcamps, across the country and online, for a range of price points and time commitments

Python is a back end programming language, which is often used by data scientists, software engineers, and cyber security engineers. Python can be as a web programming languages and it can be used for creating data sets, web scraping, and scripting. Since Python syntax is very similar to English, it is a great first language for beginners to learn. Python is a well-documented language and the community is welcoming, which also makes it a great first programming language for coding newbies!

Step 1: For coding beginners, learn Python online with free courses so you can build a foundation in Python. A good free Python course should teach the fundamentals of Python through Python exercises and mini projects.

Step 2: Once you've got the fundamentals down, it's time to enroll in a coding bootcamp or a data science bootcamp! Learning more about Python with qualified instructors and an expert-created curriculum will help you build the knowledge you need for a software engineering or data role. We've made it easy to find a bootcamp that works for you through our Get Matched tool.

Step 3: When you are an experienced Python programmer, it's time to specialize. With advanced Python knowledge, you can specialize in data science or machine learning.

Total of 16 Faculties and 118 Students from all department have attended the Program.

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Department of Master of Computer Applications
in association with BeeKoder.com

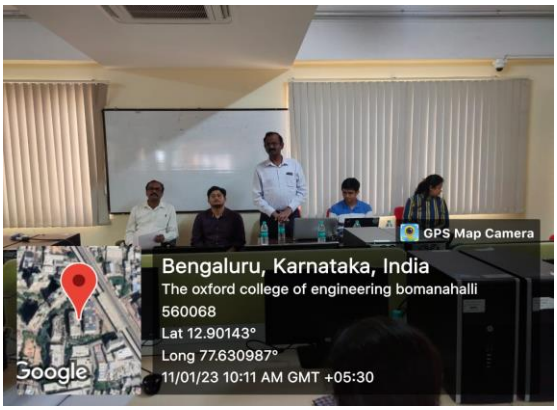
INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

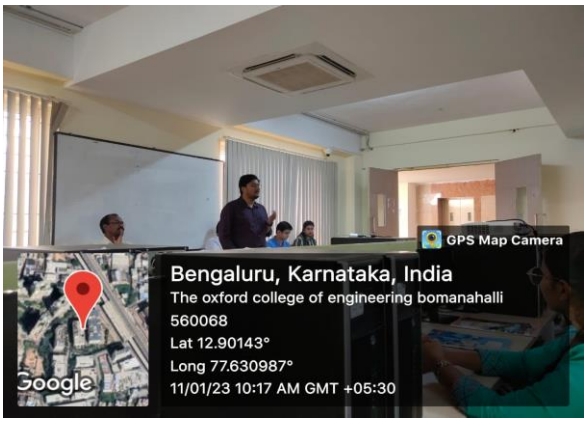
Presents

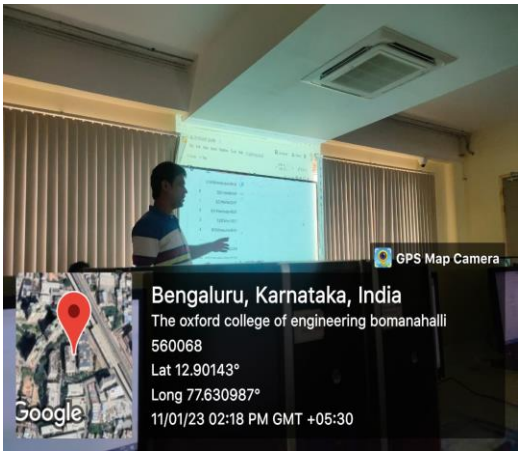
Student Development Program
on
3 Day bootcamp on python programming

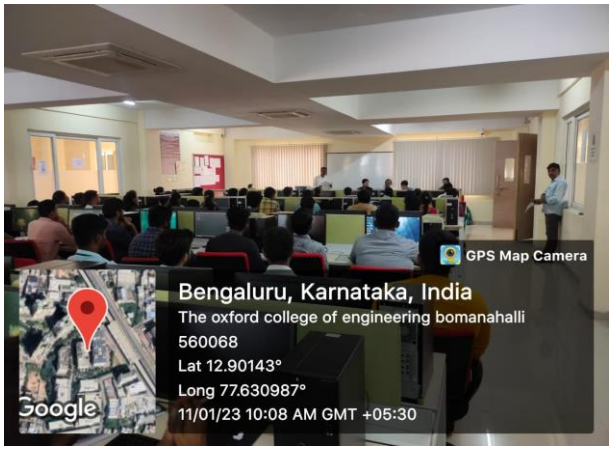
Technical Trainer :- Purnendu Mukherjeee
on 11,12 & 13 of Jan 2023

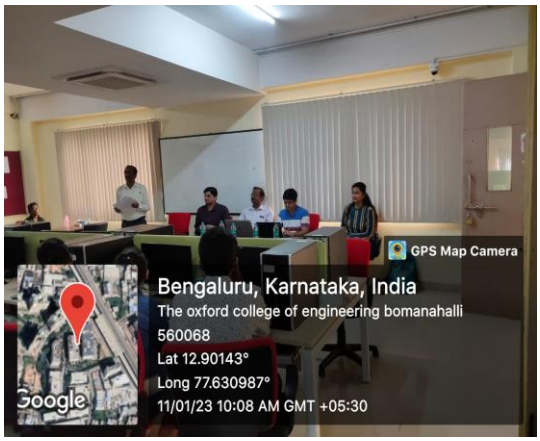
Chief Patron	Patron		
Sri S.N.V.L Narasimha Raju Chairman The Oxford Group of Institutions	Dr N.Kannan Principal & President IIC The Oxford College of Engineering	Dr M.S Shashidhara HOD& Professor (MCA) The Oxford College of Engineering	Mr.Ashok B P Program coordinator Asst Professor, Department of MCA







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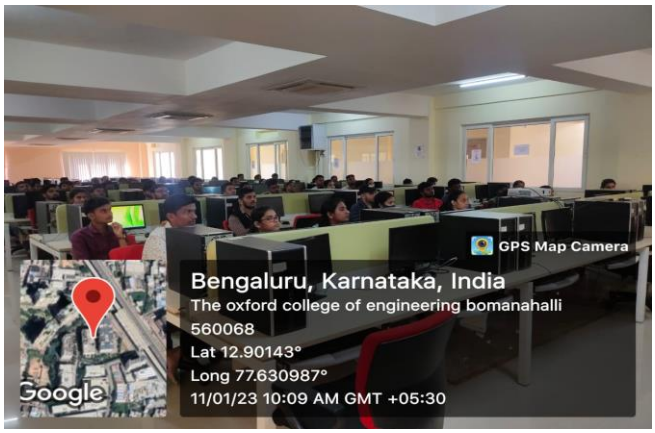
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Student Developnment Program 3Days Bootcamp on Python Programming
11,12,13 Jan-2023

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26	DAPHNE PRIYA	Daphne	CSE
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29	Roshan Immanuel	Roshan	CSE
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58	Anushree		CSE
59	Anjali	Anjali.	CSE
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77	Himansh	Himansh	CSE
78	Husain	Husain	CSE
79	Muhammed Zain		ISE
80	Mohammed Danish S		ISE
81	MAAZ SHARIFF	Maaz Sharif	MBA.
82	Rakshith. N	Rakshith	MBA
83	Robert · Reji	Robert	M·B·A
84	Babu R.C	Babu R.C	M.B.A
85	Girish. K.V	Girish	MBA
86	Nithin	Nithin	MBA
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117	Nihar	Nihar	CSE
118	L. Mahesh		MCA

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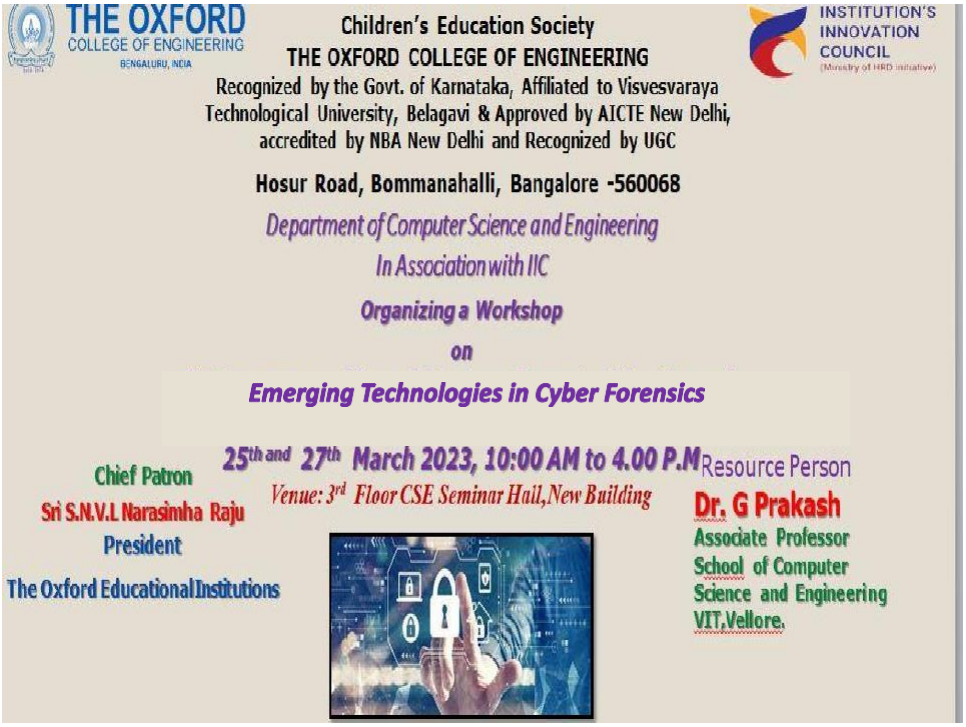
Workshop Report on "Emerging Technologies in Cyber Forensics "conducted by CSE Department



The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with Department of Computer Science and Engineering organized a two days Workshop on "Emerging Technologies in Cyber Forensics" on 25th and 27 th March2023 from 10:00 AM to PM by Dr.G.Prakash,Associate Professor,VIT,Vellore.Dr. G Prakash is working as an Associate Professor in the School of Computer Science and Engineering, Vellore Institute of Technology, Vellore. His Area of Research and Interest is in the Cyber Security domain, which includes the Number Theory concepts of Cryptography algorithms and Steganography techniques that address the concerns of Multifactor Authentication. He has published 18 articles in SCOPUS and SCI Indexed journals and 16 papers in various SPRINGER and IEEE Xplore- sponsored international conferences. Dr. G Prakash has done Summer Research Fellowship at

the Indian Institute of Science, Bengaluru. He has completed two Sabbatical projects at M/s. Infosys Technologies Limited, Bengaluru, in the relevant area of Network Security. He has 24 years of rich experience in teaching and industry at various reputed institutions such as Amrita VishwaVidyapeetham University, SASTRA University, and Sona College of Technology notably, among others.

OBJECTIVE:

The main objective of the workshop is to focus on the idea of cyber forensics.The science of collecting, inspecting, interpreting, reporting, and presenting computer-related electronic evidence is known as cyber forensics. Evidence can be found on the hard drive or in deleted files.The resource person explained about thekey elements of the entrepreneurship and start-up opportunities.

The resource person about the key concepts and types of startups:

- Lifestyle startups.
- Small business startups.
- Scalable startups.
- Buyable startups.
- Large company Startups.
- Social startups.

The session highlighted the uses and various applications of

- Work-life autonomy.
- Leadership experience.
- Work from anywhere.
- Company control.
- Flexible schedule.
- Building a beneficial network.
- Pride and satisfaction.
- iOS is a most secure operating system than any other.
- The iOS operating system is best for Businesses and Professionals.
- Less Heat is produced as Compared to Android while using.

Profile of Dr. G. Prakash

- Dr. G Prakash is working as an Associate Professor in the School of Computer Science and Engineering, Vellore Institute of Technology, Vellore. Research Initiatives His Area of Research and Interest is in the Cyber Security domain, which includes the Number Theory concepts of Cryptography algorithms and Steganography techniques that address the concerns of Multifactor Authentication. He has published 18 articles in SCOPUS and SCI Indexed journals and 16 papers in various SPRINGER and IEEE Xplore-sponsored international conferences. Dr. G Prakash has done Summer Research Fellowship at the Indian Institute of Science, Bengaluru.
- He has completed two Sabbatical projects at M/s. Infosys Technologies Limited, Bengaluru, in the relevant area of Network Security. He has 24 years of rich experience in teaching and industry at various reputed institutions such as Amrita VishwaVidyapeetham University, SASTRA University, and Sona College of Technology notably, among others. Academic Qualification He obtained his B.E. degree in Computer Science and Engineering in 1995 from Madras University, M.E. degree in Computer Science and Engineering in 2004 from Annamalai University, and a Ph.D. degree in Information and Communication Engineering from Anna University in 2015.
- Other Records Delivered more than TWENTY WEBINAR LECTURES during this Covid-19 Pandemic situation, to say a few, at Sona College of Technology, Dr. N.G.P. Institute of Technology, S.R.M. Institute of Science and Technology, Kongunadu College of Engineering and Technology, Gopalan College of Engineering and Management, Sahyadri College of Engineering and Management, Progressio Alas, etc. on the following topics: 1.“Glimpses of Cyber Security Research” – May 18, 2020 2.“Glimpses of Cyber Security – An Outlook” – June 17, 2020 3.“Augmenting Security through Threat Intelligence” – June 26, 2020 4.“Knowledge Acquisition of Cyber Threats through Artificial Intelligence” – July 25, 2020 5.“Cyber Security: Trends, Research, and Applications” – August 07, 2020 6.“Demystifying the Common Cyber Attacks through Threat Intelligence” – Sep 12 & 13, 2020 Dr. G Prakash is a Life Member of various professional bodies - ISTE, IAENG, and Internet Society. He is the Single Point of Contact for the consultancy and placement services with many Software Companies in Bangalore and Coimbatore

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Hosur Road, Bommanahalli, Bangalore -560068
Department of Computer Science and Engineering
In Association with IIC
Organizing a Workshop
on
Emerging Technologies In Cyber Forensics
25th and 27th March 2023, 10:00 AM to 4.00 P.M
Venue: 3rd Floor CSE Seminar Hall, New Building
Chief Patron
Sri S.N.V.L Narasimha Raju
President
The Oxford Educational Institutions
Resource Person
Dr. G Prakash
Associate Professor
School of Computer Science and Engineering
VIT,Vellore.
Dr. N. Kannan
Principal & President IIC
Dr. R Ch A Naidu
Professor & HOD/CSE
Dr P. Sindhu Madhuri
IIC Convener
Dr. E. Saravana Kumar
Innovation Ambassador CSE
Prof. Sathya H
Innovation Ambassador CSE
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Long 77.63186°
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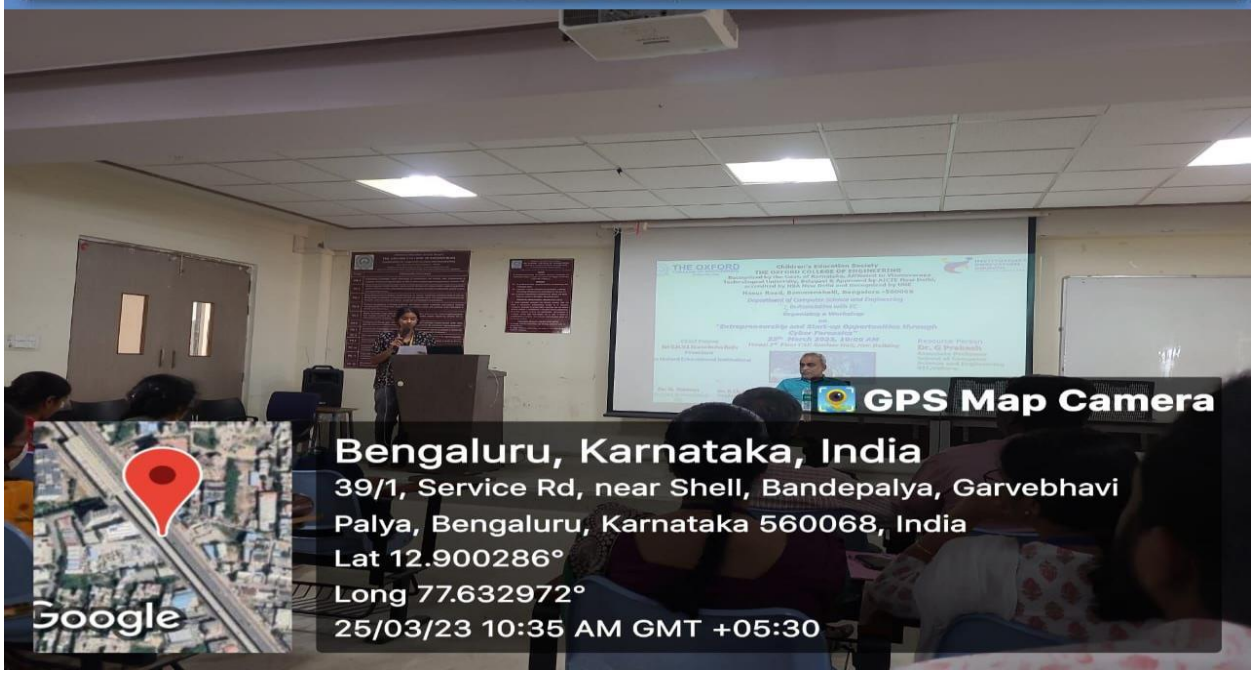
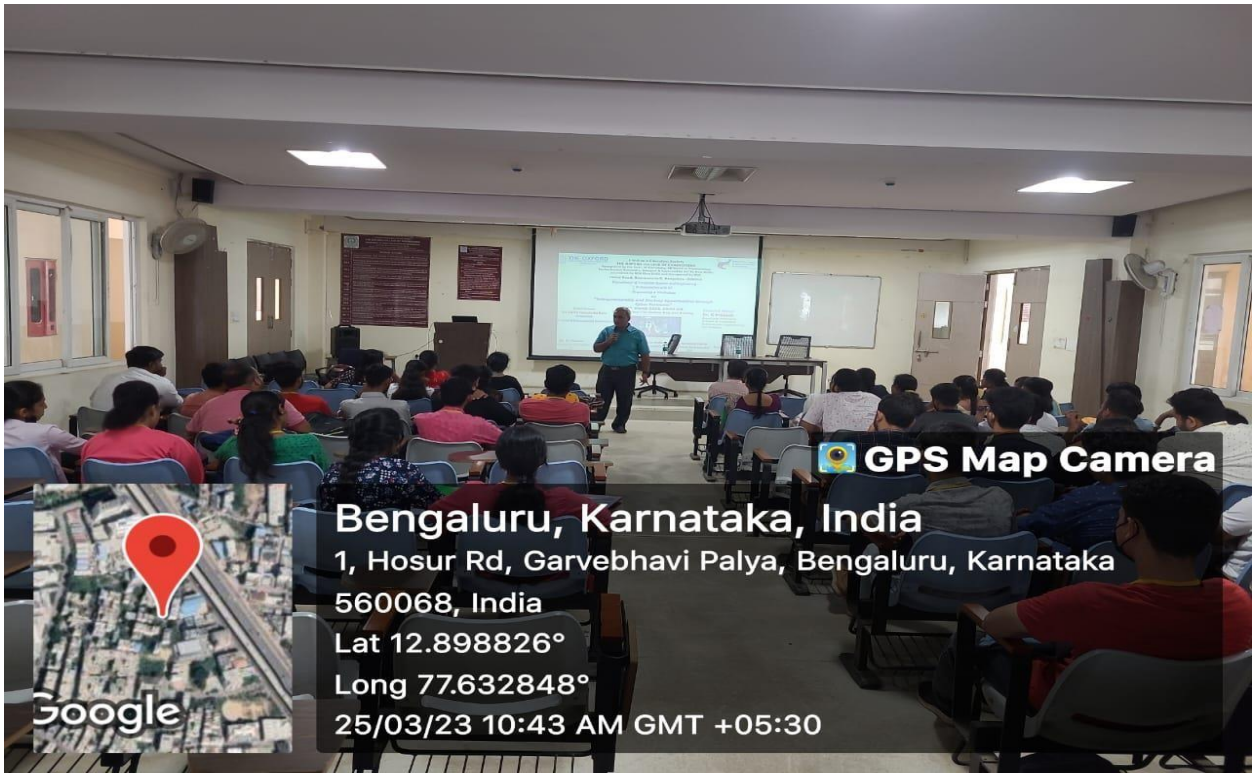

GPS Map Camera
Bengaluru, Karnataka, India
39/1, Service Rd, near Shell, Bandepalya, Garvebhavi Palya, Bengaluru, Karnataka 560068, India
Lat 12.900286°
Long 77.632972°
25/03/23 10:35 AM GMT +05:30
Google



SESSION DAY: 1

- Introduction to entrepreneurship.
- Five stages of entrepreneurship.
- Steps to become entrepreneur.

SESSION DAY: 2

- Introduction to cyber forensics.
- Applications of cyber forensics.
- Scope of cyber forensics.

He concluded the session emphasizing on the importance of entrepreneurship opportunities. The session was very motivating and created positive thoughts among the students.81students and 9 faculty are participated in the workshop.

OUTCOMES:

- Lead a Team Toward start-ups.
- More Focused on Experimentation and Creativity.
- Build complex skills in students.
- Sparks creativity.

Video Link:

https://drive.google.com/drive/folders/1FQ7zcfJ2wN1VxPjVNwF6ddK-EQMayN4W

Social Media Link:

https://www.facebook.com/photo/?fbid=227587553126629&set=a.177418398143545

https://www.facebook.com/photo/?fbid=230386179513433&set=a.177418398143545

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
Website:www.theoxford.edu Email : engprincipal@theoxford.edu
(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

WORKSHOP ON "EMERGING TECHNOLOGIES IN CYBER FORENSICS"

Date: 25.03.2023

S.No	Faculty Name	Designation	Branch	Signature
1.	Dr R.Ch.A Nhid	Professor & HOD	CSE	
2.	Dr E Saravanakumar	Professor	CSE	
3.	Dr. R. Raghu	Asst prof	CSE	
4.	Manasa.S.M	Asst. Prof	CSE	
5	Shruthi.K	Assistant Professor	CSE	
6.	Vinotha.D	Ass. Prof	CSE	
7.	M.Ramyasri	Asst.Prof.	CSE	
8	Asha kumari.A	Asst.Prof	CSE	
9	L.Manjula	Asst.Prof	CSE	
10.	Sathya N.	Asst Prof	CSE	
11.	Chaitrashree	Asst Prof	CSE	

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WORKSHOP ON "EMERGING TECHNOLOGIES IN CYBER FORENSICS"

Date: 25.03.2023

S.No	USN	Student Name	Branch	Signature
01	10X21CS042	DEEKSHASHRI.S	CSE	
02	10X21CS047	DIMPLE ACHARA.C	CSE	
03	10X21CS052	GOSALA MANOJ	CSE	
04	10X21CS054	HARSHKUMAR	CSE	
05	10X21CS034	Chandana Chandra Naik	CSE	
06	10X21CS035	Chandana L	CSE	
07	10X21CS041	Darshan S. Reddy	CSE	
08	10X21CS033	Chaitanya H	CSE	
09	10X21CS004	Abhilash	CSE	
10	10X21CS002	A S Sudha Rani	CSE	
11	10X21CS019	Anusha R	CSE	
12	10X21CS038	Chunchu Charitha	CSE	
13	10X21CS036	Charan HC	CSE	
14	10X21CS015	Anisudh S	CSE	
15	10X21CS009	Faheem	CSE	
16	10X21CS007	Adithya P	CSE	

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Date: 25.03.2023

S.No	USN	Student Name	Branch	Signature
01	10x21CS044	Devaraju.G.S	CSE	Devaraju
02	10x21CS046	Dhulappa	CSE	
03	10x22CS406	Divakar.C	CSE	Divakar.C
04	10x21CS039	Dashan.B	CSE	Dashan.B
05	10x21CS053	Gourish	CSE	Gour
06	10x21CS032	Biswajith	CSE	
07	10x21CS050	Dharanigan	CSE	Dhara
08	10x21CS045	Dhananjaya.K	CSE	
09	10x21CS055	Harshvardhan.N	CSE	
10	10x21cs040	Dhasshan R	CSE	Dhasshan.R
11	10x21CS048	Dinesh.D	CSE	Dinesh.D
12	10x21CS049	Diwakar.R	CSE	Diwakar.R
13	10x21CS056	Hazel christina	CSE	haz
14	10x21CS058	Isha kumari	CSE	Isha
15	10x21CS054	Harish kumar	CSE	Harish
16	10x21CS028	B Kiran	CSE	Kiran

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WORKSHOP ON "EMERGING TECHNOLOGIES IN CYBER FORENSICS"

Date: 25.03.2023

S.No	USN	Student Name	Branch	Signature
01	10X21CS063	Karthik M	CSE	Karthik M
02	10X21CS096	Prafull R	CSE	
03	10X21CS093	Pankaj Kumar	CSE	
04	10X21CS103	Rahul Kumar Behera	CSE	
05	10X21CS114	Ritik Ray	CSE	
06	10X22CS414	Sanjay.G.S	CSE	
07	10X21CS088	N Nauman Ahmed	C.S.E	
08	10X21CS084	Mohammad Sadaf	C.S.E	
09	10X21CS089	Nanda Kumar.A.M	CSE	
10	10X22CS411	M. Ameen Qureshi	CSE	
11	10X22CS412	Pavan-k	CSE	
12	10X22CS415	Santosh Rawal	CSE	
13	10X21CS095	Pavan	CSE	
14	10X21CS094	Parthaev T	CSE	
15	10X21CS060	Joel G Rajan	CSE	
16	10X21CS101	Raghupathi Loicesh	CSE	

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Date: 25.03.2023

S.No	USN	Student Name	Branch	Signature
1	10X21CS064	Kashish Saud	CSE	Kashish
2	10X21CS059	JANHVI GUPTA	CSE	
3	10X21CS085	Mohammad Sarwat	CSE	Sarwat
4	10X21CS106	Rajan Singh Sikarwar	CSE	
5	10X21CS061	K. Prathik	CSE	K Prathik
6	10X21CS071	KISHORE PRITHVI	CSE	Prithvi
7.	10X21CS083	MEGHANATHREDDY M	CSE	
8.	10X21CS075	Rohan.V	CSE	Rohan.V.
9.	10X21CS079	MANIKANDAN R	CSE	
10	10X21CS076	M.Manikanth	CSE	
11	10X21CS090	Maniknath	CSE	
12	10X21CS069	Kiran kumar	CSE	Kiran
13	10X21CS104	Rahul . R	CSE	Rahul
14	10X21CS107	Rajesh S	CSE	
15	10X21CS115	Reddam Sasi	CSE	
16	~~10X21CS105~~ 10X21CS105	Rahul S	CSE	

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Date: 25.03.2023

S.No	USN	Student Name	Branch	Signature
01	10X21CS078	Manasa H.N	CSE	Manasa H.N
02	10X21CS072	Lahari.HR	CSE	Lahari.HR
03.	10X21CS082	Meghana.M.S	CSE	Meghana
04	10X21CS065	Kavya A G	CSE	
05	10X21CS074	Lekhana S.K	CSE	Lekhana
06	10X21CS073	Laxmi Mangalwadh	CSE	Laxmi
07	10X21CS068	Khushi kumari	CSE	Khushi
09	10X21CS092	Nikitha.Damodar	CSE	
10	10X21CS103	Ragini.G.H	CSE	Ragini
11	10X21CS099	Purva Sharma	CSE	
12	10X21CS109	Ramya DS	CSE	Ramya
13.	10X21CS112	Repana.Archana	CSE	Repana.Archana
14	10X21CS098	Priya Darshini.S	CSE	Priya
15	10X21CS066	Keerthana N.M	CSE	Keerthana
16	10X21CS074	Madhumitha.V	CSE	Madhu
17	10X21CS081	Meghana.C	CSE	Megha

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Date: 25.03.2023

S.No	USN	Student Name	Branch	Signature
01	10X21CS161	Umme Kulsum	CSE	
02	10X21CS160	Umme Kulsum	CSE	
03	10X21CS118	Roopa. R	CSE	Roopa
04	10X21CS147	Sukshitha.S	CSE	
05.	10X21CS156	Trupthi S	CSE	
06	10X21CS123	Sahana R	CSE	Sahana R
07	10X21CS121	Sabah Tabasum	CSE	Sabah
08	10X21CS154	Tejaswini J	CSE	
09	10X21CS155	Teppala Sneha	CSE	
10	10X21CS129	Sanidhya Puzari	CSE	
11	10X21CS117	Rushikesh	CSE	
12	10X21CS143	Sneha S	CSE	
13	10X21CS168	Yashas Adithya	CSE	
14	10X21CS128	Sandhya S	CSE	Sandhya
15	10X21CS130	Santhosh	CSE	
16	10X21CS125	Sai Tilak	CSE	

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04	10X21CS065	Kavya A G	CSE	
05	10X21CS074	Lekhana S.K	CSE	Lekhana
06	10X21CS073	Laxmi Mangalwadh	CSE	Laxmi
07	10X21CS068	Khushi kumari	CSE	Khushi
09	10X21CS092	Niktha Damodar	CSE	Niktha
10	10X21CS102	Rugini.G.H	CSE	Rugini
11	10X21CS099	Purva Sharma	CSE	
12	10X21CS109	Ramya DS	CSE	Ramya
13.	10X21CS112	Pooja.Archana	CSE	Pooja.Archana
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15	10X21CS066	Keerthana NM	CSE	Keerthana
16	10X21CS077	Madhumitha.V	CSE	Madhu
17	10X21CS081	Meghana.C	CSE	Megha

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Children's Education Society ®
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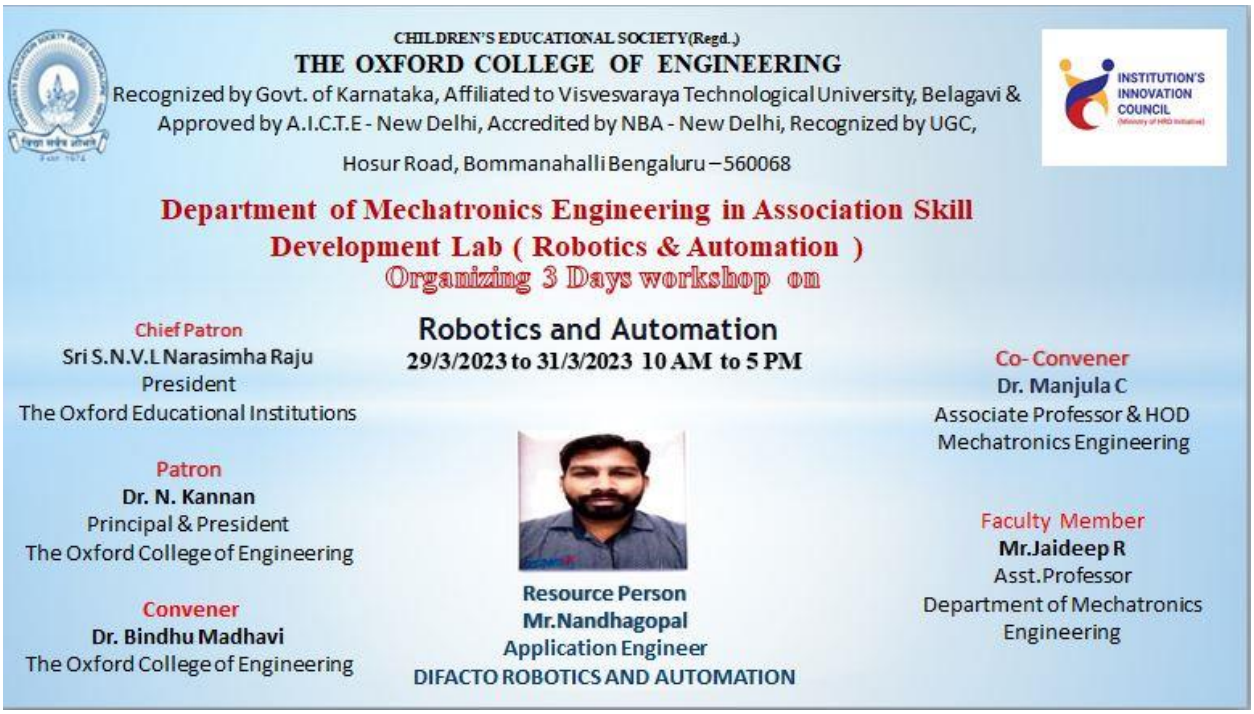
DEPARTMENT OF MECHATRONICS ENGINEERING

3 Days Workshop on "Robotics and Automation"



The Oxford college of Engineering, Bangalore ,Skill Development Lab with Department of **Mechatronics Engineering** organized workshop on **"3 Days Workshop on Robotics and Automation".** by Mr. Nandhagopal on 29/3/2023 to 31/3/2023.

Mr. Nandhagopal is an Application 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 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 highlightened 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.

Schedule of the workshop

DATE	SL. NO	TIME	TOPICS
29/3/2023	1	10:00AM – 11:00AM	• WELCOME SPEECH • INTRODUCTION TO ROBOTICS AND AUTOMATION
	2	11:00 AM - 1:00PM	BASICS OF ROBOTICS (JOGGING OPERATIONS) • J1 TO J6
	LUNCH BREAK		
	3	2:00 PM – 5PM	• HANDS ON JOGGING OPERATIONS • J1 – J3 (LINEAR MOVEMENTS) • J4 – J6 (ROTARY MOVEMENTS)
	1	10:00AM – 11:30AM	ROBOTIC PROGRAMMING • EXPLANATION OF PROGRAM • ENTERING THE PROGRAM IN TEACH PENDENT. • SAVING, RUNNING AND EXECUTING. • DEBUGGING OF PROGRAME.

30/3/2023	2	11:30AM – 1:00PM	• UNDERSTANDING THE CONCEPTS AND PERFORMING SMALL OPERATIONS.
	LUNCH BREAK		
	3	2:00 PM – 5:00 PM	PERFORMING HANDS OPERATIONS • BOX OPERATION • TRIANGULAR OPERATION • TWO LAYER TRIANGULAR OPERATION • CUBOID OPERATION
31/3/2023	1	10:00AM – 1:00PM	PERFORMING HANDS OPERATIONS • BOX OPERATION • TRIANGULAR OPERATION • TWO LAYER TRIANGULAR OPERATION • CUBOID OPERATION • TWO LAYER CUBOID OPERATION
	LUNCH BREAK		
	2	1:00 PM – 5:00PM	• AUTOMATION USING THE PERFORMED OPERATIONS • DOUBT CLARIFICTIONS • THANKS GIVING.

Day 1 (29/3/2323)

The morning session was started with

- Welcome speech Introduction to Robotics and Automation.
- Basics of Robotic like jogging operations (J1 to J6).
- Performing small operations.

The afternoon session was started with

- Hands on jogging operations
- j1 – j3 (linear movements)

- j4 – j6 (rotary movements)

Photos

Total number of students attended are 45.

Students list.

DEPARTMENT OF MECHATRONICS ENGINEERING
6TH SEM

SL NO	USN	NAME OF THE STUDENT
1	1OX20MT001	VISHNU NARAYAN.K
2	1OX20MT002	MOHAMMED MALHAN RABEET
3	1OX20MT003	PRAGNYA RAGHUNANDAN RAO
4	1OX20MT004	PRAJWAL.C SHETTY

5	1OX20MT005	PRAJWAL.H.J
6	1OX20MT006	ROHAN KUMAR.S
7	1OX20MT007	JAYANTH.S
8	1OX20MT008	SOHAN SUNIL JAGJAMPI
9	1OX21MT400	AKSHAY DESHPANDE S A
10	1OX21MT401	AKSHAY KUMAR S
11	1OX21MT402	AMRUTH M C
12	1OX21MT403	BHANUPRASAD
13	1OX21MT404	CHETHAN G M
14	1OX21MT405	DEEPAK N S
15	1OX21MT406	EBENEZER P
16	1OX21MT407	HIREN RALPH FERNANDES
17	1OX21MT408	KRUTIK KURI
18	1OX21MT409	LIKHITHA L D
19	1OX21MT410	LIKITH K
20	1OX21MT411	LOKESH S
21	1OX21MT412	MANTHAN A JADAV
22	1OX21MT413	NIKIL R
23	1OX21MT414	RAAGHUL S
24	1OX21MT415	SAGAR S
25	1OX21MT416	SIDDARTH S J
26	1OX21MT417	SUHAS B
27	1OX21MT418	VARUN KUMAR N

DEPARTMENT OF MECHATRONICS ENGINEERING
3RD SEM

SL NO	USN	NAME OF THE STUDENT
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

The morning session was started with

Robotic programming

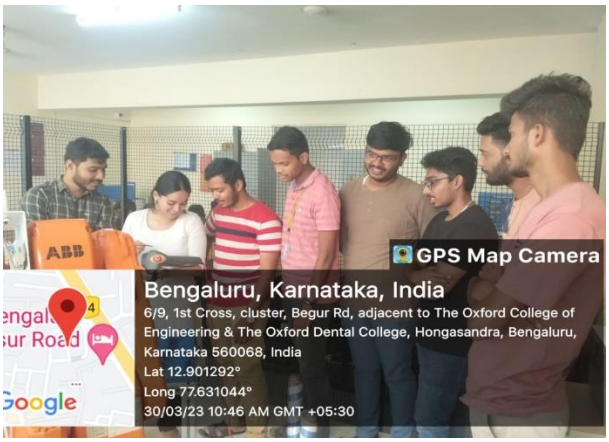
- Explanation of program
- Entering The Program In Teach Pendent.
- Saving, Running And Executing.
- Debugging Of Programme.

The afternoon session was started with

Performing Hands Operations

- Box Operation
- Triangular Operation
- Two Layer Triangular Operation
- Cuboid Operation

Photos



Total number of students attended are 43.

Students list.

DEPARTMENT OF MECHATRONICS ENGINEERING
6TH SEM

SL NO	USN	NAME OF THE STUDENT
1	1OX20MT001	VISHNU NARAYAN.K
2	1OX20MT002	MOHAMMED MALHAN RABEET
3	1OX20MT003	PRAGNYA RAGHUNANDAN

		RAO
4	1OX20MT004	PRAJWAL.C SHETTY
5	1OX20MT005	PRAJWAL.H.J
6	1OX20MT006	ROHAN KUMAR.S
7	1OX20MT007	JAYANTH.S
8	1OX20MT008	SOHAN SUNIL JAGJAMPI
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24	1OX21MT415	SAGAR S
25	1OX21MT416	SIDDARTH S J
26	1OX21MT417	SUHAS B
27	1OX21MT418	VARUN KUMAR N

DEPARTMENT OF MECHATRONICS ENGINEERING
3RD SEM

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1	1OX21MT001	ACHYUTHA S S
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14	1OX22MT403	HEMANTH C
15	1OX22MT404	PRANAV M
16	1OX22MT405	GOUTAM D

The morning session was started with

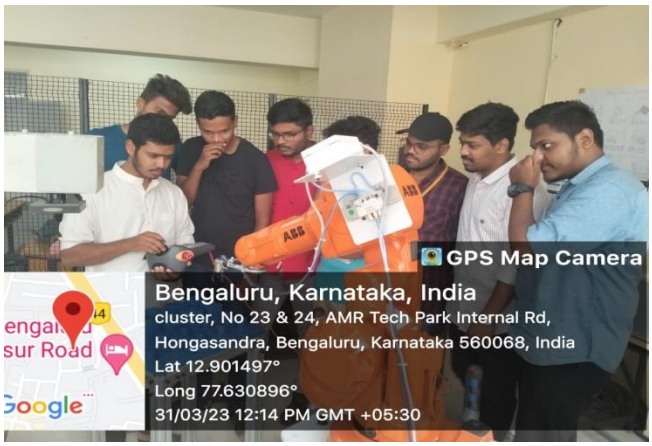
Performing Hands Operations

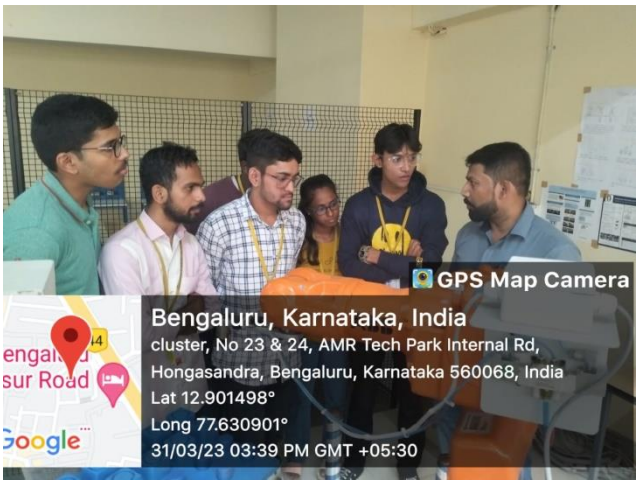
- Box Operation
- Triangular Operation
- Two Layer Triangular Operation
- Cuboid Operation
- Two Layer Cuboid Operation

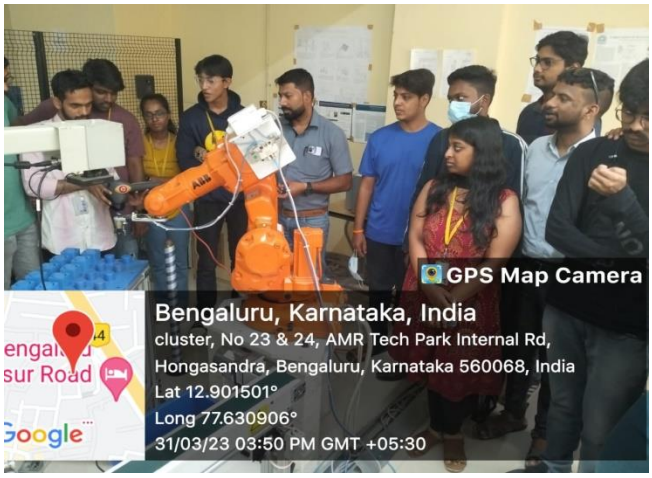
The afternoon session was started with

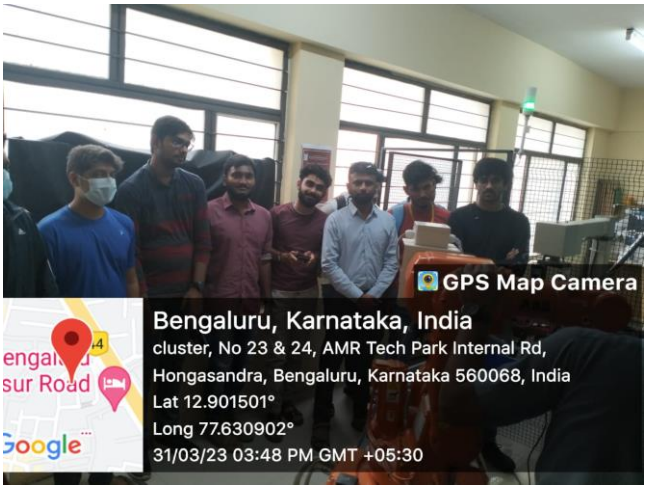
- Automation Using The Performed Operations
- Doubt Clarifications
- Thanks Giving.

Photos









DEPARTMENT OF MECHATRONICS ENGINEERING
6TH SEM

SL NO	USN	NAME OF THE STUDENT
1	1OX20MT001	VISHNU NARAYAN.K
2	1OX20MT002	MOHAMMED MALHAN RABEET
3	1OX20MT003	PRAGNYA RAGHUNANDAN RAO
4	1OX20MT004	PRAJWAL.C SHETTY
5	1OX20MT005	PRAJWAL.H.J
6	1OX20MT006	ROHAN KUMAR.S
7	1OX20MT007	JAYANTH.S

8	1OX20MT008	SOHAN SUNIL JAGJAMPI
9	1OX21MT400	AKSHAY DESHPANDE S A
10	1OX21MT401	AKSHAY KUMAR S
11	1OX21MT402	AMRUTH M C
12	1OX21MT403	BHANUPRASAD
13	1OX21MT404	CHETHAN G M
14	1OX21MT405	DEEPAK N S
15	1OX21MT406	EBENEZER P
16	1OX21MT407	HIREN RALPH FERNANDES
17	1OX21MT408	KRUTIK KURI
18	1OX21MT409	LIKHITHA L D
19	1OX21MT410	LIKITH K
20	1OX21MT411	LOKESH S
21	1OX21MT412	MANTHAN A JADAV
22	1OX21MT413	NIKIL R
23	1OX21MT414	RAAGHUL S
24	1OX21MT415	SAGAR S
25	1OX21MT416	SIDDARTH S J
26	1OX21MT417	SUHAS B
27	1OX21MT418	VARUN KUMAR N

DEPARTMENT OF MECHATRONICS ENGINEERING
3RD SEM

SL NO	USN	NAME OF THE STUDENT
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

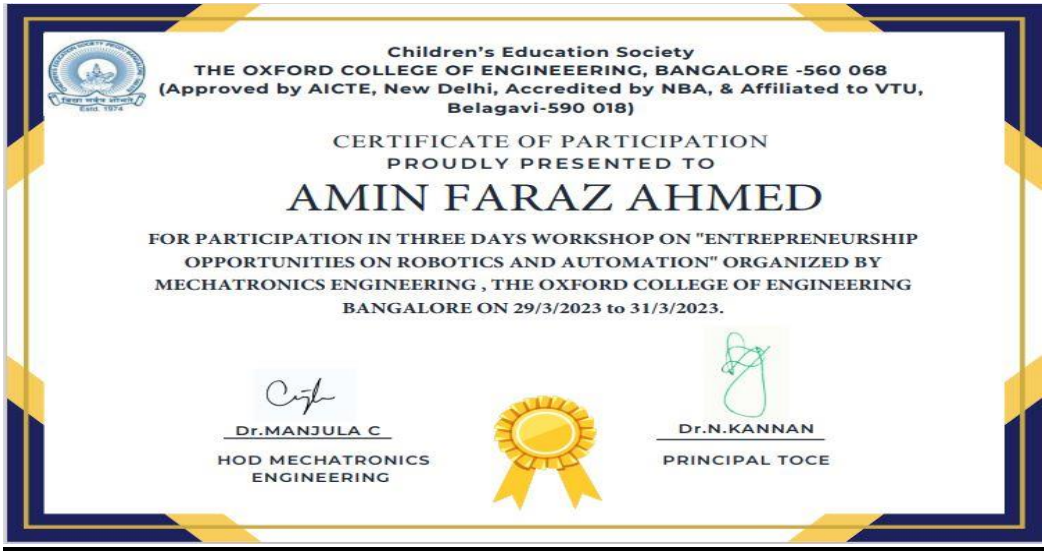
13	1OX22MT402	A SHAIK SULTHAN
14	1OX22MT403	HEMANTH C
15	1OX22MT404	PRANAV M
16	1OX22MT405	GOUTAM D
17	1OX22MT405	ROHITH
18	1OX22MT405	AKSHAY KRIT

Outcomes:

In addition to life skill development outcomes, youth will observe how the robot performs, question why the robot performed as it did and troubleshoot the program using the information gathered. 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.

By the 2030s, the future of robotics in manufacturing could be completely autonomous, from assembly to quality control, thanks to advancements in AI and the Internet of Things (IoT). Robot maintenance and operation will replace traditional jobs in this industry.

Sample certificate



CORDINATOR

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

PRINCIPAL
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he Oxford College of Engineering
Bommanahalli, Hosur Road
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DEPARTMENT OF CIVIL ENGINEERING

SKILL DEVELOPMENT PROGRAMME

NAME OF THE LABORATORY : PLUMBING SERVICES IN CIVIL ENGINEERING

APPLICATION : Plumbing is said to be the system of pipes, tanks, fittings, and other apparatus required for water supply, heating, and sanitation in a building. Plumbers install, repair, and maintain piping systems in residential, commercial and industrial buildings. These systems traditionally included water distribution and wastewater disposal, but because of new technology that combines water and gas pipes, plumbers can work with vent, residential fire, irrigation, and chemical systems as well. The duties of a plumber include: installing, repairing and maintaining pipes, fixtures, and other plumbing equipment; opening walls and floors to accommodate pipes and pipe fittings; welding, connecting, and testing pipes for leaks; preparing cost estimates; interpreting blueprints and designs. Plumbers must also be aware of safety procedures and follow them at all times.

Learning Outcomes:

After undergoing this course, the students will be able to:

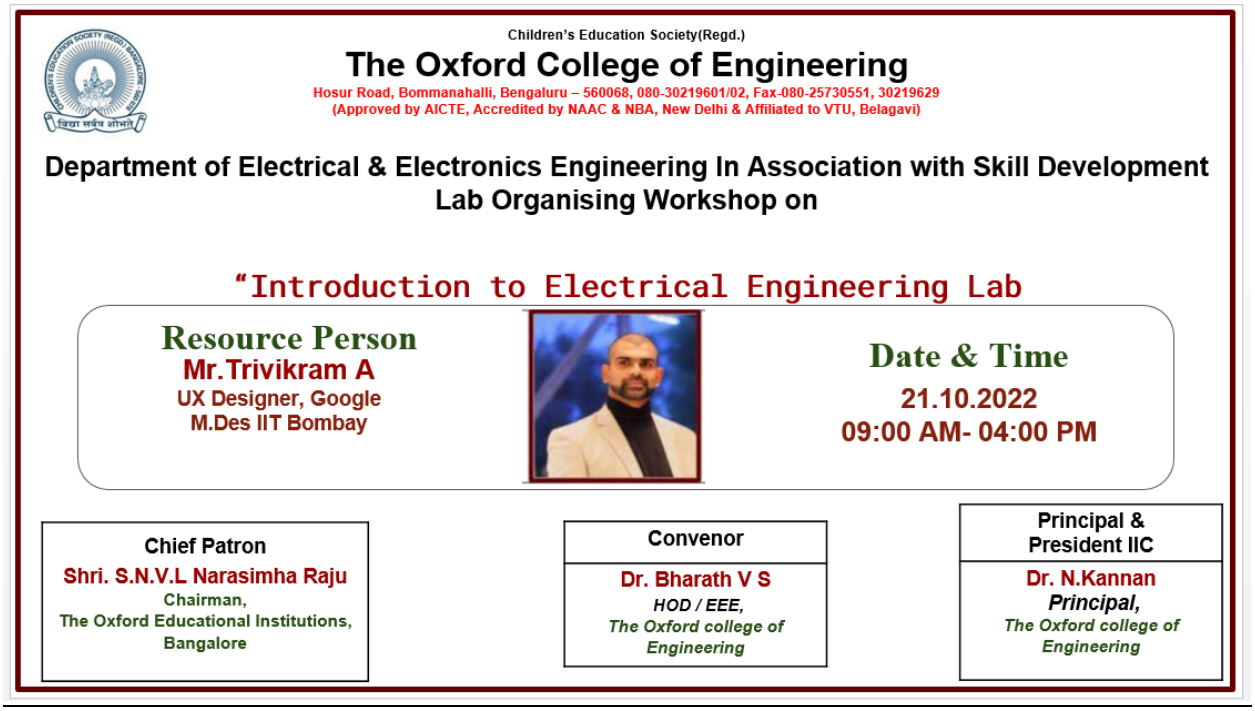
- Identify and select proper tools and use them for the given plumbing work
- Select appropriate pipes and carry out pipe fitting after carrying out operations like cutting, bending, threading, joining, aligning and other necessary operations
- Erect simple water supply system. Trace leakage and repair water supply system
- Plan, prepare and inspect domestic drainage system
- Select and install sanitary appliances

- Install heating appliances like geyser, etc

SL NO	TOPICS TO BE COVERED	Hours
1	Plumber's Tools	4
2	Pipes and Pipe Fitting	4
3	Water Supply System	4
4	Domestic Drainage	4
5	Understanding of pipe joints and plumbing tools and making minimum one model	4
6.	Practical explanation of plumbing system	4
7	Field Visit	6

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore - 560 068.

Workshop on "Introduction to Electrical Engineering Lab" in Association with Skill Development Lab



The Oxford college of Engineering has organized one days workshop on **Introduction to Electrical Engineering Lab** for First year students was conducted by **Mr.Trivikram,UXDesigner,Google**on**21/10/2022.**A total of 60participants enrolled for this program . Total duration of the course was 8 hrs..

All the theory classes &lab practices were held at skill Development lab,The Oxford College of Engineering from 9.00 am to 4.15 pm.

The speakers briefed about the fundamental concepts of Electrical Engineering and its applications to all students along with how to design and check the circuits as well as to execute the various practical circuits.Trainer have good knowledge in all the hardware and prototype development design ideas too. From concepts to design thinking in basic Electrical he demonstrated in lucid manner to the participants.By doing this workshop the students got an understanding of web development in integrated environment.

Student's feedback: Students were satisfied with content and the way the sessions were conducted to fulfil their expectations.

faculty feedback: The speaker discussed the academic as well industry need from EEE candidates too, interview questions with the students which will help the students for their placements during their final year. Overall the session was good for our year students.

OBJECTIVES: To understand the core fundamental concepts in Electrical Engineering

- Using appropriate components in suitable places
- Testing and validating the results of the experiments

OUTCOMES: Students can be

- Able to design the basic circuits.
- Able to handle without shock.
- Able to connect and validate the results.

PHOTO COLLAGE

CHILDREN'S EDUCATION SOCIETY (REGD)
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080-30219601, Fax: 080-25730551, 30219629,
Website: http://www.theoxfordengg.org/Email: engprincipal@theoxford.edu
Estd.1974 (Approved by AICTE, Accredited by NAAC & NBA, New Delhi & Affiliated to VTU, Belgaum)

Department of Electrical & Electronics Engineering In Association with Skill Development Lab Organising Workshop on

Attendance Sheet

Date: 21-10-2022 (Friday) **Time:** 9 AM to 4 PM

Sl.No	Name	Designation / Semester	Dept	Signature
1.	M. Raichel Ruby	ASST PROF	EEE	
2	Nisha. C. Rani	Asst Prof	EEE	
3.	Sumitha T.L	Asst Prof	EEE	
4.	Dr. B. Devi Vighnesh	Assoc Prof	EEE	
5.	Dr. Bharath. v.s.	HOD/Prof	EEE	
6	M. Amulthilli	Lab Instructor	EEE	
7	Mr. Jaideep. R	AP	MT	
8.	Amrutha. M	AP	CV	
9.	Dr. Manjula. C	Assoc. Prof	MT	
10	Seema. V	AP	MT	
11	Resna S R	AP	EEE	

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Department of Electrical & Electronics Engineering
In Association with Skill Development
Lab Organising Workshop on

Attendance Sheet

Date: 21-10-2022 (Friday) **Time:** 9AM to 4 PM

Sl.No	Name	Designation / Semester	Dept	Signature
1.	JAYAKUMAR.M	Asst. Prof	EEE	
2.	VIVAN AKASH KSHATRIYA	7th Sem	EEE	
3.	ROHAN JOHNSON M	7th SEM	EEE	
4.	SHIVANI H	7th Sem	EEE	
5	PRERANA	7th sem	EEE	
6	LIKITHA	7th sem	EEE	
7	ARPITHA	7th sem	EEE	
8	UMAMAH	7th Sem	EEE	
9	ARCHANA CM	7th sem	EEE	
10	SHALINI. SC	7th Sem	EEE	
11.	YAMINI.C	7th sem	EEE	
12	VIJAY	7th Sem	EEE	

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Department of Electrical & Electronics Engineering
In Association with Skill Development
Lab Organising Workshop on

Attendance Sheet

Date: 21-10-2022 (Friday) **Time:** 9AM to 4PM

Sl.No	Name	Designation / Semester	Dept	Signature
1	Chetana Panda	7th Sem	CSE	Chetanpanda
2.	Pavani Gayathri M	5th Sem	CSE	Pavani
3	Rashmi K	5th Sem	CSE	Rashmi
4	Rakshitha. K	5th Sem	EEE	K
5.	Komala. V	5th Sem	EEE	Komala
6	Hounashree S	5th Sem	EEE	Hounashree
7.	Rashmi. M	5th Sem	EEE	Rashmi M
8	Pooja. V	5th Sem	EEE	Pooja. V
9.	Sneha Reji Thomas	7th Sem	Civil	Sneha
10.	PURNASHREE. M	7th Sem	CIVIL	Purnashree M
11.	PRARTHANA. S	'VII' Sem	CIVIL	Prarthana
12.	VARSHITHA. S. G	7th Sem	CIVIL	Varshitha S.G.
13.	VANGI KRISHNA. G	7th Sem	CIVIL	Vangi
14.	AKSHAY. R. SHET	7th Sem	CIVIL	Akshay

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Department of Electrical & Electronics Engineering
In Association with Skill Development
Lab Organising Workshop on

Attendance Sheet

Date: 21-10-2022 (Friday) **Time: 9AM to 4PM**

Sl.No	Name	Designation / Semester	Dept	Signature
01	YAMINI P	7th sem	EEE	Yamini P
02	SHAUN JERICHO S	7th sem	EEE	[illegible]
03	JUNAID UL ISLAM	7th Sem	EEE	[illegible]
04	SAFEER HUSSAIN	7th Sem	EEE	[illegible]
05	Mohammed Tameem	7th Sem	EEE	[illegible]
06	Girish. S U	5th sem	EEE	[illegible]
07	Bharath kumar-A	5th sem	EEE	[illegible]
08	Jenuprasad. N P	5th sem	EEE	[illegible]
09	Suryanarayana reddy	7th sem	EEE	[illegible]
10	Dhananjaya A.M	7th Sem	EEE	[illegible]
11	Sujith kothwal	7th Sem	EEE	[illegible]
12	Bharath Kumar. P	7th Sem	EEE	[illegible]

Devin

Professor & Head
EEE/HOD
Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore

PRINCIPAL
PRINCIPAL &
PRESIDENT IIC

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DEPARTMENT OF MECHANICAL ENGINEERING

SKILL LAB REPORT 2022-23

The Oxford College of Engineering, Bengaluru-Department of Mechanical Engineering 6th semester students are undergoing soft skills program where they are working on carpentry work, cutting metal, sheet metal and welding. Through this lab, students will be able to learn and experience real-life scenarios of real technical problems and also how to tackle them in the best manner. This lab also helps them to understand and build new techniques of sheet metal design and they can apply knowledge in production industries. This lab undergoes once every week

TIME TABLE FOR SKILL LAB

THE OXFORD COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

TIME TABLE FOR SKILL LAB

Academic Year Aug 2022- 2023 (Even sem)

W.E.F : 2/05/2023

COURSE: B.E
CLASS TEACHER : Dr Vidyadhar Pujar

SEM: 6TH
WORK SHOP PRACTICE LAB

TIME / DAY	9:00-9:55	9:55-10:50	SHORT BREAK	11:00-11:55	11:55-12:50	LUNCH BREAK	13:30-14:25	14:25-15:20	15:20-16:15
MON	----------	---------		----------	---------		----------		
TUE	-------	----------		------	--------		----------		
WEN	----------	--------		----------	---------		----------		
THU	------	--------		---------	---------		----------		
FRI	-------	-----		--------	--------		SKILL LAB (CARPENTARY WORK/SHEET METAL)		
SAT	MON/TUE/WED/THU/FRI			MON/TUE/WED/THU/FRI			MON/TUE/WED/THU/FRI		

SL NO	SUBJECT	FACULTY
1	SKILL LAB	Dr Vidyadhar Pujar

ATTENDENCE SHEET FOR SKILL LAB

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THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

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

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

ATTENDENCE SHEET FOR SKILL LAB

DEPARTMENT OF MECHANICAL ENGINEERING

3RD YEAR STUDENT LIST 2022-2023

Sl. No	USN	NAME	Signature
1	1OX19ME016	SHAMS MEHDI KHAN	
2	1OX20ME001	C NISCHITHA MAHALAKSHMI REDDY	
3	1OX20ME002	DAANISH MATHEEN	
4	1OX20ME003	DHARMA TEJA K	
5	1OX20ME004	IMRAN ALI WANI	
6	1OX20ME005	KIRAN P R	
7	1OX20ME006	LOKESH G	
8	1OX20ME007	MALLIKARJUNA M KUMMI	
9	1OX20ME008	MOHAMMED HUSSAIN	
10	1OX20ME009	NIKHIL R	
11	1OX20ME010	PRASHANT RANJAN	
12	1OX20ME011	SANDEEP J	
13	1OX20ME012	SIVA P	
14	1OX20ME013	ZULFIKHAR ALI	
15	1OX21ME400	CHETAN K	
16	10X21ME401	NAGARAJ D	
17	1OX21ME402	PRAJWAL KUMAR S	

CO-ORDINATOR

DR. VIDYADHAR PUJAR

HOD

DR. MADHUSUDANA REDDY G

PROFESSOR & HEAD

DEPARTMENT OF MECHANICAL ENGINEERING

The OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BANGALORE-560 068

SKILL DEVELOPMENT PROGRAMME

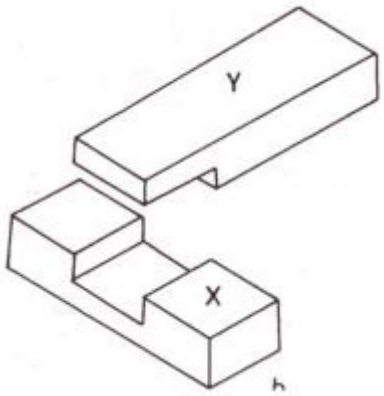
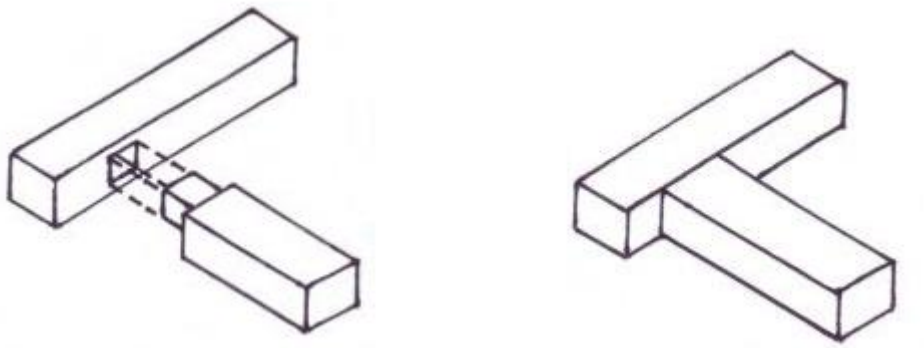
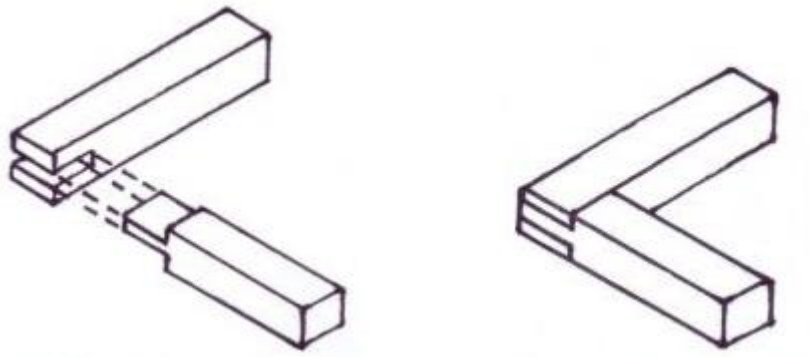
I.NAME OF THE LABORATORY: WORK SHOP & CARPENTARY

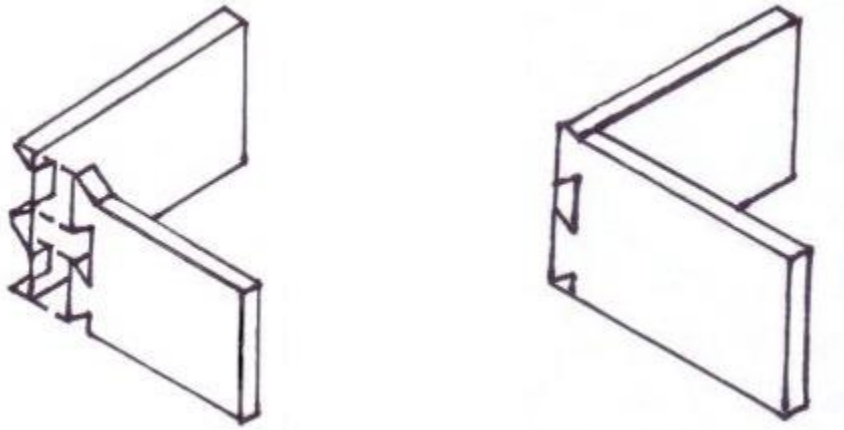
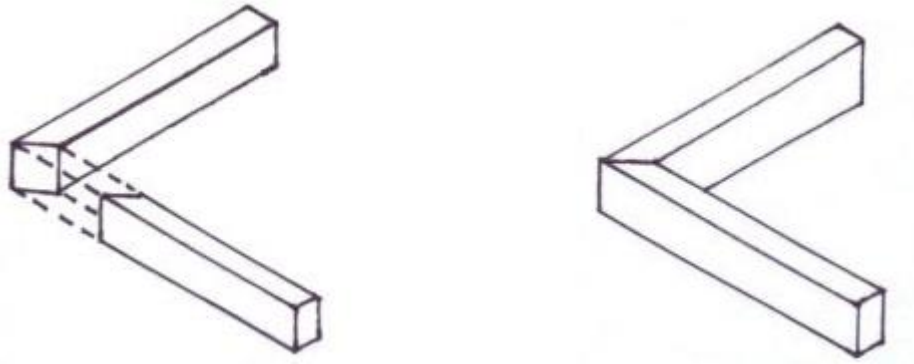
II.SHEET METAL WORK:

SL NO	MODEL	Hours
1	Design & Development of Cylinder	4
2	Design & Development of Cube	4
3	Design & Development of Funnel	4
4	Design & Development of Rectangular Truncated	4
5	Design & Development of Rectangular Tray	4

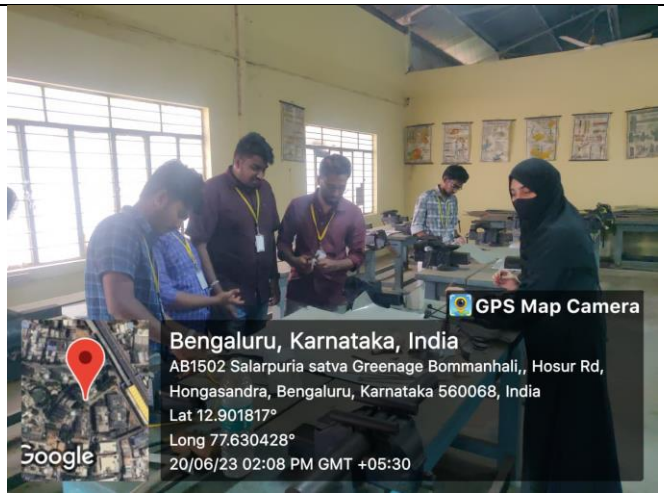
TOTAL LAB CONDUCTION HOURS: 20

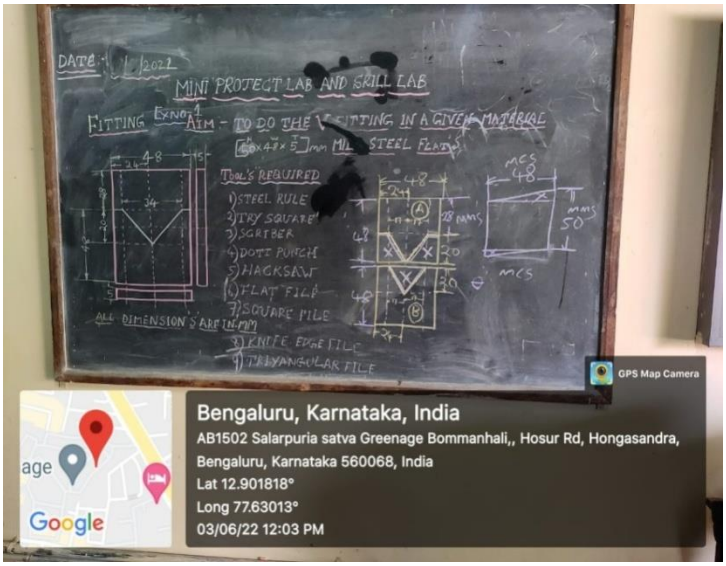
III.CARPENTRY WORK:

SL NO	MODEL	Hours
1	Design & Preparing the Model of Lap Joint 	4
2	Design & Preparing the Model of Mortise & Tenon Joint 	4
3	Design & Preparing the Model of Bridle Joint 	4

4	Design & Preparing the Model of Dove Tail Joint 	4
5	Design & Preparing the Model of Mitre Joint 	4

TOTAL LAB CONDUCTION HOURS: 20

NAME OF THE LAB	DESCRIPTION
1. SHEET METAL	

	
2. CARPENTARY	

<u>OUTCOME OF SKILL LAB</u>

By this program students are getting encouraged and developing their practical skills in Mechanical industries and also able to tackle real life scenarios.

PROFESSSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
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Department of Electronics and Communication Engineering
Skill Lab Activity -Training Optical Slicing Machine

The Oxford college of Engineering, Bengaluru, Department of Electronics and Communication Engineering Organized Skilled lab activity on Optical Slicing Machine at R & D Lab on 24-11- 2022 to 25-11-2022 from 09:00 AM to 4:00 PM .

Objectives of the Event :

- To familiarize Utilization of a Optical slicing
- Various methods can be used to achieve optical slicing
- To facilitates advanced techniques for optical slicing

Optical slicing, also known as optical sectioning or optical tomography, is a technique used in microscopy and imaging to create high-resolution, three-dimensional images of biological samples or materials. It allows researchers to visualize internal structures and details within a sample without physically sectioning it.

The principle behind optical slicing involves capturing images of a sample at different focal planes, typically using a microscope or a specialized imaging system. By acquiring a series of images at different depths, a stack of two-dimensional slices is obtained. These slices can then be combined to reconstruct a three-dimensional representation of the sample.

Various methods can be used to achieve optical slicing. One common approach is confocal microscopy, which uses a pinhole to reject out-of-focus light and selectively capture fluorescence emitted from the focal plane. Confocal microscopy provides excellent axial resolution, but it can be time-consuming due to the serial acquisition of images.

Another technique is two-photon microscopy, which uses two photons of lower energy to excite fluorescent molecules within the sample. This method allows for deeper imaging into thick samples, as it reduces scattering and phototoxicity effects compared to confocal microscopy.

Other advanced techniques for optical slicing include light sheet microscopy (also known as selective plane illumination microscopy or SPIM) and optical coherence tomography (OCT). Light sheet microscopy illuminates the sample with a thin sheet of light from the side, reducing phototoxicity and

enabling high-speed imaging of large samples. OCT, on the other hand, utilizes low-coherence interferometry to capture cross-sectional images of biological tissues with micrometer-scale resolution.

Optical slicing techniques have widespread applications in various fields, including biology, medicine, materials science, and geology. They enable researchers to investigate the internal structures of cells, tissues, and materials, leading to a better understanding of their composition, organization, and dynamics.

50 participants including and 15 faculties and 35 students from different departments participated in the above training.

Outcomes of the Event:

The Participants were able to learn:

- The Utilization of a Optical slicing
- The Various methods can be used to achieve optical slicing
- The advanced techniques for optical slicing

Training Attendance

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Skill Lab Activity
Attendance Sheet

Sl. No	Name	Designation	Department	Signature
01	Anu.S	Student	ECE	
02	Akanksha.M	Student	ECE	
03	Brunda	Student	ECE	
04	Bharath Bhat	Student	ECE	
05	Kaarthik.C M	Student	ECE	
06	Hemanth.P.N	Student	ECE	
07	Lavanya	Student	ECE	
08	Kishore Acharya	Student	ECE	
09	Nikita Arae	Student	ECE	
10	Harshitha	Student	ECE	
11	Gouthami	Student	ECE	
12	Manjunath	Student	ECE	
13	Vinutha	Student	ECE	
14	Navya Shree	Student	ECE	
15	Anusha	Student	ECE	
16	Ankitha	Student	ECE	
17	Nayana	Student	ECE	
18	Yogesh	Student	ECE	
19	Punith Kumar	Student	ECE	
20	Niranjan Kumar	Student	ECE	
21	Punith.N	Student	ECE	

Sl.No	Name	Designation	Department	Signature
22	Vivek	Student	ECE	[illegible]
23	Chetan	"	"	[illegible]
24	Gagan	"	"	[illegible]
25	Dikshi V	"	"	[illegible]
26	Sreedharan	"	"	[illegible]
27	Amarsh	"	"	[illegible]
28	Krishna	"	"	[illegible]
29	Harish Babu	"	"	[illegible]
30	Divya R	"	"	[illegible]
31	Lakshmi	"	"	[illegible]
32	Rahul	"	"	[illegible]
33	Divyashree	"	"	[illegible]
34	Aishwarya	"	"	[illegible]
35	Manjunath	"	"	[illegible]
36	Shantosh	"	"	[illegible]
37	Pheerai	"	"	[illegible]
38	Lavanya	"	"	[illegible]
39	Brindalathe	"	"	[illegible]
40	Dilip	"	"	[illegible]
41	Azuna	"	"	[illegible]
42	Ramu	"	"	[illegible]
43	Vijaya Lakshmi	Asst prof	ECE	[illegible]
44	Sheeba Kumari	"	"	[illegible]
45	Ifat Pathima	"	"	[illegible]
46	Suchandana Mishra	Asst prof	ECE	[illegible]
47	Praiwalasimha	Asst Prof	"	[illegible]
48	Dr. B. Srilatha	Associate Pr	"	[illegible]

18/5/2023

HOD/ECE

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

IIC COORDINATOR

IIC CONVENER

IIC PRESIDENT

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

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Children's Education Society ®
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
Website:www.theoxford.edu
(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belgaum)

Department of Electronics and Communication Engineering
Skill Lab Activity -Training On 3D printer

The Oxford college of Engineering, Bengaluru, Department of Electronics and Communication Engineering Organized Skilled lab activity on 3D Printer at R & D Lab on 09-02- 2023 to 10-02-2023 from 09:00 AM to 4:00 PM .

Objectives of the Event :

- To familiarize3D printer applications
- Utilization of a 3D printer
- The integration of 3D printing technology
- To facilitates a deeper understanding of embedded systems design and implementation.

A 3D printer can revolutionize the process of designing and creating embedded projects for students. With this technology, students can design and manufacture custom enclosures, housings, and mounting brackets tailored specifically to their embedded systems. This level of customization ensures a precise fit for components, promotes optimal organization, and enhances the overall functionality and aesthetics of the projects. By utilizing a 3D printer, students have the freedom to rapidly prototype and iterate their designs, allowing for quick adjustments and improvements. This hands-on approach cultivates creativity, problem-solving skills, and a deeper understanding of the intricacies of embedded systems. Additionally, 3D printing provides a cost-effective solution, allowing students to produce their own components instead of relying on expensive pre-made parts. Overall, the integration of 3D printing technology empowers students to unleash their creativity, fosters innovation, and facilitates a deeper understanding of embedded systems design and implementation.

50 participants including and 15 faculties and 35 students from different departments participated in the above training.

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By Surya dev
6/20/23
13:59

Shot on OnePlus
By Surya dev
6/20/23
13:59

Shot on OnePlus
By Surya dev
6/20/23
13:57

Outcomes of the Event:

The Participants were able to learn:

- The 3D printer applications
- The Utilization of a 3D printer
- The integration of 3D printing technology
- To facilitates a deeper understanding of embedded systems design and implementation.

Video Link:

https://youtu.be/EkQrdcntkpA

Training Attendance

Children's Education Society
THE OXFORD COLLEGE OF ENGINEEERING,BANGALORE-560068
(Approved by AICTE,NewDelhi,Accredited by NBA, & Affiliated to VTU,Belagavi-590018)

Skill Lab Activity -Training On 3D printer

Attendance Sheet

Sl. No	Name	Designation	Department	Signature
1	Rakshitha. N	Student	ECE	Rakshitha
2.	Vinilla	Student	ECE	Vinilla.
3	Sharvani	Student	ECE	Sharvani
4	Rimsha Shaheen	Student	ECE	Rimsha
5	Rakshitha S	Student	ECE	Rakshitha
6	Sneha R	Student	ECE	Sneha.
7	Dilli Prasanna	Student	ECE	Dilli.
8	Vilashashree	Student	ECE	Vilasha
9	Yashaswi	Student	ECE	Yashaswi
10	Vinutha Shree	Student	ECE	Vinutha
11	Sandhya S	Student	ECE	Sandhya
12	Bhoomika	Student	ECE	Bhoomika
13	Sanjana	Student	ECE	Sanjana
14	Ummed Ram	Student	ECE	Ummed
15	Pallavi	Student	ECE	Pallavi.
16	Shraeya	Student	ECE	Shraeya
17	Sneha R	Student	ECE	Sneha
18	Nishchay	Student	ECE	Nishchay
19	Shashank T	Student	ECE	Sudeep
20	Sudeep	Student	ECE	Shashidhar
21	Shashidhar	Student	ECE	

Sl.No	Name	Designation	Department	Signature
22	Vivek	Student	ECE	[illegible]
23	Chetan	"	"	[illegible]
24	Gagan	"	"	[illegible]
25	Dikshi V	"	"	[illegible]
26	Sreedharan	"	"	[illegible]
27	Amarsh	"	"	[illegible]
28	Krishna	"	"	[illegible]
29	Harish Babu	"	"	[illegible]
30	Divya R	"	"	[illegible]
31	Lakshmi	"	"	[illegible]
32	Rahul	"	"	[illegible]
33	Divyashree	"	"	[illegible]
34	Aishwarya	"	"	[illegible]
35	Manjunath	"	"	[illegible]
36	Shantosh	"	"	[illegible]
37	Pheerai	"	"	[illegible]
38	Lavanya	"	"	[illegible]
39	Brindalathe	"	"	[illegible]
40	Dilip	"	"	[illegible]
41	Azuna	"	"	[illegible]
42	Ramu	"	"	[illegible]
43	Vijaya Lakshmi	Asst prof	ECE	[illegible]
44	Sheeba Kumari	"	"	[illegible]
45	Ifat Pathima	"	"	[illegible]
46	Suchandana Mishra	Asst prof	ECE	[illegible]
47	Praiwalasimha	Asst Prof	"	[illegible]
48	Dr. B. Srilatha	Associate Pr	"	[illegible]

18/5/2023

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Bengaluru-560 068

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Resume

Name	:	Dr Malleshaiah T S
Date of Birth	:	20.05.1964
E-mail	:	mallesh.ts.64@gmail.com
Current Position	:	Professor & HOD De[artment of Civil Engineering The Oxford College of Engineering, Bangalore.
Qualification	:	Bachelor of Engineering (Civil) and PHD in Environmental Engineering
Work experience	:	31 Years of Teaching at The Oxford College of Engineering, Bangalore
Publications	:	2 papers in international journals

Reviewed International Journals

1 **T S Malleshaiah, L Udayashimha "**Deflouridation of Contaminated Groundwater by using Ocimum tenuiflorum (Tulsi) Leaves"American International Journal of Research in Science, Technology, Engineering & Mathematics ISSN (Print): 2328-3491, ISSN (Online): 2328-3580, ISSN (CD-ROM): 2328-3629

2 **T S Malleshaiah,L Udayashimha.**"Hydrochemical analysis and estimation of quality of ground water in Madhugiri taluk, Pavagoda taluk, Koratagere taluk, in Tumkur district Karnataka state, India" American International Journal of Research in Science, Technology, Engineering & Mathematics (AIJRSTEM),ISSN (Print): 2328-3491, ISSN (Online): 2328-3580, ISSN (CD-ROM): 2328-3629

Presented in National and International Conference.

1. T S Malleshaiah has authored and presented a research paper "Variation of pollutants with rain fall at Madhugiri (TQ), Pavagoda (TQ), in the one day national conference, "Indian congress of Civil Engineers" Conducted on 05-12-2015 at the department of civil Engineering "Acharya Institute of Technology", Bengaluru-107, India.

CURRICULUM VITAE

Prajwalasimha S N

Email ID: prajwalasimha.sn1@gmail.com

Phone No.: +919902871219

ABOUT

S N Prajwalasimha *has defined and derived a new Chaotic system entitled, "n-Dimensional Multi-Linear Transformation (nD-MLT): Non Linear Dynamics Application to Cryptography". He has published more than 40 Research Papers in various International Journals, Conferences & Book Chapters. His research interest includes Cryptography, Steganography, Digital Signal & Image Processing, IOT, Artificial Intelligence, Machine Learning and Embedded Systems.*

- ***Elsevier Scopus h-index: 09 (First Author)***
- ***Total No. of Elsevier Scopus/WOS Citations: 186***
- ***Elsevier Scopus Author ID: 57200274037***
- ***ResearchScore:272***

EDUCATION

Ph.D., (Thesis Submitted)
Visvesvaraya Technological University, India
Domain: Electronics & Communication Engineering

Master of Technology, 2014
Visvesvaraya Technological University, India
Domain: Digital Electronics & Communication Systems

Bachelor of Engineering, 2012
Visvesvaraya Technological University, India
Domain: Electronics & Communication Engineering

Specialization,
New York University, USA
Domain: Cyber Security

Specialization,
Technische Universität München (TUM), Germany
Domain: Digitalization in Aeronautics and Space Specialization

Specialization,
University of Toronto, Canada
Domain: GIS Mapping and Spatial Analysis

Specialization,
The State University of New York, USA
Domain: Blockchain Technology

Specialization,
Yonsei University, South Korea
Domain: Emerging Technologies

Specialization,
SAS Institute for data management, USA
Domain: SAS Statistical Business Analyst

ACADEMIC & RESEARCH EMPLOYMENT

2014 - 2021	**Assistant Professor,** Dept. of Electronics & Communication Engineering, ATME Research Centre,Visvesvaraya Technological University, Karnataka, India
2021 - Present	**Assistant Professor,** Dept. of Electronics & Communication Engineering, Accredited by NBA & NAAC, The Oxford College of Engineering,Visvesvaraya Technological University, Karnataka, India

PROFESSIONAL CERTIFICATIONS

- **Microsoft Azure Machine Learning Professional Certificate**
  - Use Automated Machine Learning in Azure Machine Learning
  - Create a Regression Model with Azure Machine Learning Designer
  - Create a Classification Model with Azure AI
  - Create a Clustering Model with Azure AI
- **Google Data Analytics Professional Certificate**
  - Google Data Analytics Capstone: Complete a Case Study
  - Analyze Data to Answer Questions
  - Prepare Data for Exploration
  - Process Data from Dirty to Clean
  - Ask Questions to Make Data-Driven Decisions
  - Data Analysis with R Programming
  - Share Data Through the Art of Visualization
  - Foundations: Data, Data, Everywhere
- **INFOSEC Python for Cyber-security Specialization Professional Certificate**
  - Introduction to Python for Cyber-security
  - Execution, persistence, privilege escalation and evasion
  - Credential Access, discovery, lateral movement & collection
  - Python for Command-and-control, Exfiltration and Impact
  - Python for Active Defense

- **Microsoft Azure Data Scientist Associate Professional Certificate**
  - Create Machine Learning Models in Microsoft Azure
  - Microsoft Azure Machine Learning for Data Scientists
  - Build and Operate Machine Learning Solutions with Azure
  - Perform data science with Azure Databricks
  - Prepare for DP-100: Data Science on Microsoft Azure Exam
- **IBM Data Analytics with Excel and R Professional Certificate**
  - Introduction to Data Analytics
  - Introduction to R Programming for Data Science
  - Data Analysis with R
  - SQL for Data Science with R
  - Data Visualization with R
  - Data Visualization and Dashboards with Excel and Cognos
  - Excel Basics for Data Analysis
- **Microsoft Azure AI Fundamentals Professional Certificate**
  - Artificial Intelligence on Microsoft Azure
  - Microsoft Azure Machine Learning
  - Computer Vision in Microsoft Azure
  - Natural Language Processing in Microsoft Azure
  - Preparing for AI-900: Microsoft Azure AI Fundamentals exam
- **Google Project Management Professional Certificate**
  - Foundations of Project Management
- **INFOSEC JavaScript Security Professional Certificate**
  - JavaScript Security Refreshers
  - JavaScript Security Part 1
  - JavaScript Security Part 2
  - JavaScript Security Part 3
- **INFOSEC Computer Forensics Specialization Professional Certificate**
  - Digital Forensics Concepts
  - Windows OS Forensics
  - Windows Registry Forensics
- **TCS Career Edge : Digital Teacher Professional Certificate**
  - Introduction to the World of Digital Technology
  - An Effective Digital Teacher
  - Digital Tools Technologies for the Classroom
  - Tips on Digital Wellness and Troubleshooting
  - Digital Learning with Bloom’s Taxonomy
  - Digital Technologies to Foster 21st Century Skills
  - Lesson Plan Creation with Digital Pedagogies
  - Delivery of a Well-balance Digital Class
  - Designing Effective Digital Assessments
  - Tools for Enhancing Digital Assessments

- Students Analytics for Outcomes Assessments
- Digital Resources for Learning Transformation
- Best Practices in Digital Teaching

- **Applying Data Analytics in Finance [University of ILLINOIS at URBANA-CHAMPAIGN]**
- **Applying Data Analytics in Marketing [University of ILLINOIS at URBANA-CHAMPAIGN]**
- **Strategic Business Analytics Specialization [ESSEC Business School]**

DOMAIN COURCES

University of Colorado	Optical Engineering
New York University	Real-Time Cyber Threat Detection and Mitigation
The University of Edinburgh	Data Science
The State University of New York	Blockchain Technology
New York University	Enterprise and Infrastructure Security
HSE University	2D Image Processing
University of Toronto	Introduction to GIS Mapping
New York University	Introduction to Cyber Attacks
Technische Universität München (TUM)	Digitalization in Space Research
New York University	Cyber Security Countermeasure
University of Toronto	Spatial Analysis and Satellite Imagery in a GIS
University of London	Foundations of Data Science: K-Means Clustering in Python
University of Toronto	GIS Data Acquisition and Map Design
Illinois University	IOT Communication
University of California	Introduction to the Internet of Things and Embedded Systems
Yonsei University	Introduction to TCP/IP
University of Toronto	GIS, Mapping and Spatial Analysis Capstone
Munich Aerospace University	Digitalization in Aeronautics
Yonsei University	Smart Device & Mobile Emerging Technologies
Yonsei University	Wireless Communications for Everybody
Yonsei University	IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies
Yonsei University	Spatial Data Science and Applications

DOMAIN COURCES ctd…

Yonsei University	Big Data Emerging Technologies
SAS Statistical Institute	Regression Modeling Fundamentals
Yonsei University	AR(Augmented Reality) & Video Streaming Services Emerging Technologies
The State University of New York	Blockchain Platforms
SAS Statistical Institute	Introduction to Statistical Analysis: Hypothesis Testing
The State University of New York	Decentralized Applications (Dapps)
SAS Statistical Institute	Predictive Modeling with Logistic Regression using SAS

PATENTS FILING PROCESSES

- Australian Innovative Patent, "*Modified Gingerbreadman Chaotic Substitution and Transformation based Image Encryption*"
  Ref No.: FMPV810
- Australian Innovative Patent, "*Digital Image Watermarking using Sine Transform Technique*"
  Ref No.: FMPV2115
- Australian Innovative Patent, "*Image Encryption based on Pseudo Hadamard Transformation and Gingerbreadman Chaotic Substitution*"
  Ref No.: FMPV614

FUNDED PROJECTS

- Karnataka State Council for Science and Technology, "*Solar Operated Vision Capturing Spy Robot Using Raspberry Pi 3*", 2019-2020, Sanctioned Amount: 5,000 INR
- Ess Ess Electronics, "*Development of 2KW Solar Operated Efficient and Economical Uninterrupted Power Supply (UPS) System*", 2014-2015, Sanctioned Amount: 12500 INR

HONORS AND AWARDS

2022 **Best Presentation Award**
Awarded by The Oxford College of Engineering for the work entitled: "Guiding and Preparing the Next Generation for a Better Tomorrow"

2019 **GATE Qualified**
Electronics & Communication Engineering with All India rank 5922

2018 **Best Research Paper Award**
Awarded by IEEE International Conference for the research work entitled: "Image Encryption using Discrete Radon Transformation and Non Chaotic Substitution"

2017 **Outstanding Teaching Award**
Awarded by ATME College of Engineering, India.

2014 **Honors Distinction**
Awarded for Dissertation entitled: "Implementation of OFC to Establish Communication Network in Indian Railways."

2012 **Honors Distinction**
Awarded for Successful Completion of Bachelor Degree in "Electronics & Communication Engineering"

PROFESSIONAL AFFILIATIONS AND SERVICES

Reviewer/Editorial Board

- Elsevier Journal of Information Security and Applications (Scopus, WOS, Scimago Q2)
- International Arab Journal of Information Technology (SCI, Q2)
- Journal of Advances in Electrical and Computer Engineering (SCI, Q3)
- Journal of Computing and Information Technology (Scopus & DBLP, Q3)
- International Journal of Electrical and Computer Engineering (Scopus & Scimago Q2)
- Journal of Advances in Information Fusion (Scopus & Scimago Q2)
- Served as Reviewer for Springer International Conference on Computational Intelligence, Indian Institute of Technology (IIT), Kanpur, India (Scopus & DBLP)

PUBLICATIONS

1. **Prajwalasimha S N**, "Filtering in Spatial Domain: An Approach based on Modified Median Filter in the Denoising Process of Fingerprint Images", ***Bulletin of Electrical Engineering andInformatics***, 2022 ***(Scopus, Scimago H-12, Q3) – Accepted in Press***
2. **Prajwalasimha S N**, "Automated Line and Word Segmentation in Handwritten Document Images based on Document-oriented Local Feature Extraction Approach", ***Journal of Electrical and Computer Engineering***, 2022 ***(Scopus, Scimago H-22, Q2) – Accepted in Press***
3. **Prajwalasimha S N**, "Iris Recognition System: An Efficient Approach based on Hamming Distance", ***Indonesian Journal of Electrical Engineering and Computer Science***, 2022, ***(Scopus, DBLP, Scimago H-17, Q3)– Accepted in Press***
4. **Prajwalasimha S N**, "2D-CRYPT: An Efficient Approach using Pixel Transposition and 2D-Logistic Map based Substitution", ***Indonesian Journal of Electrical Engineering and Computer Science***, 2022, ***(Scopus, DBLP, Scimago H-17, Q3)– Accepted in Press***
5. **Prajwalasimha S N**, "Filtering in Spatial Domain: An Approach based on Modified Gaussian Filter in the Denoising Process of Fingerprint Images", ***IndonesianJournal of Electrical Engineering and Computer Science***, 2022, ***(Scopus, DBLP, Scimago H-17, Q3)– Accepted***

6. **Prajwalasimha S N,** Jayashree S Shet and Supriya K, "Non Chaotic Crypt: An Implementation based on Modified Pseudo Hadamard Transformation", *Proc. of IEEE International Conference on Communication and Signal Processing*, ***IEEE***, pp. 1002-1006, 2021 ***(Scopus & WOS)***
7. **Prajwalasimha S N** and Basavaraj L, "Performance Analysis of Transformation and Bogdonov Chaotic Substitution based Image Cryptosystem", ***Journal of Electrical and Computer Engineering***, Vol. 10, No. 01, pp. 188-195, 2021 ***(Scopus, Scimago H-22, Q2)***
8. **Prajwalasimha S N** and Sidramappa, "Image Encryption Based on Pseudo Hadamard Transformation and Gingerbreadman Chaotic Substitution", *Lecture Notes in Electrical Engineering*, Vol. 672, ***Springer Nature***, pp. 681-690, 2021 ***(Scopus, DBLP, Scimago H-33, Q3)***
9. **Prajwalasimha S N**, Vaani K and Sahana G C, "Handwritten Signature Image Fortification: An Implementation based on Modified Blowfish Algorithm with Duffing Chaotic Substitution, ***International Journal of Advanced Science and Technology***, Vol. 29, No. 04, pp. 8626-8639, 2020 ***(Scopus, Scimago H-15, Q4)***
10. **Prajwalasimha S N**,"3-Dimensional Multi-Linear Transformation Based Multimedia Cryptosystem", *New Trends in Computational Vision and Bio-inspired Computing*, ***Springer Nature***, pp. 1-8, 2020 ***(WOS)***
11. **Prajwalasimha S N**, Sahana G C and Vaani K, "Iris Image Recognition based on Combined Hamming and Cosine Distances Approach", ***International Journal of Advanced Science and Technology***, Vol. 29, No. 04, pp. 6708-6719, 2020 ***(Scopus, Scimago H-15, Q4)***
12. **Prajwalasimha S N**, Sidramappa, Kavya S R and Anusha H C, "Modified Gingerbreadman Chaotic Substitution and Transformation Based Image Encryption", *Advances in Intelligent Systems and Computing*, ***Springer Nature***, pp. 606-614, 2020 ***(Scopus, DBLP, Scimago H-41, Q3)***
13. **Prajwalasimha S N** and Basavaraj L, "Performance Analysis of Decrypted Images in Transformation and non-Chaotic Substitution based Image Cryptosystem", ***International Journal of Advanced Science and Technology***, Vol. 29, No. 04, pp. 6696-6707, 2020 ***(Scopus, Scimago H-15, Q4)***
14. **Prajwalasimha S N** and Basavaraj L, " Image Encryption Based on Transformation and Chaotic Substitution", *New Trends in Computational Vision and Bio-inspired Computing*, ***Springer Nature***, pp. 313-321, 2020 ***(WOS)***
15. **Prajwalasimha S N**, "n-Dimensional Multi-Linear Transformation (nD-MLT) : Non Linear Dynamics Application to Cryptography", ***International Journal of Advanced Science and Technology***, Vol. 29, No. 05, pp. 2086-2096, 2020 ***(Scopus, Scimago H-15, Q4)***
16. **Prajwalasimha S N**, Sahana G C and Vaani K, "Fingerprint Image Denoising in Spatial Domain: An Implementation based on a Combined Median and Average Filtering Approach", ***International Journal of Advanced Science and Technology***, Vol. 29, No. 03, pp. 11359-13572, 2020 ***(Scopus, Scimago H-15, Q4)***
17. **Prajwalasimha S N**," Pseudo-Hadamard Transformation-Based Image Encryption Scheme", *Studies in Computational Intelligence*, Vol. 771, ***Springer Nature***, pp. 575-583, 2019 ***(Scopus, DBLP, WOS, Scimago H-68, Q4)***
18. **Prajwalasimha S N**, Amrutha R, Manoj M, Bharath Kumar M and Yashaswini L, "CHT-domain Watermarking Technique for still Images: Robust and Imperceptibility Analysis under Noise", ***International Journal of Engineering and Advanced Technology***, Vol. 09, No. 02, pp. 4342-4347, 2019 ***(Scopus, Scimago H-18, Q4)***
19. **Prajwalasimha S N** Kavya, S.R. and Ahmed, T.Z., "Design and Analysis of Pseudo Hadamard Transformation and Non-Chaotic Substitution based Image Encryption Scheme", ***Indonesian Journal of Electrical Engineering and Computer Science***, Vol. 15, No. 03, pp. 1297–1304, 2019 ***(Scopus, Scimago H-17, Q3)***

20. **Prajwalasimha S N**, Chethan Kumar, Shiva S, Suryaprasad G N and Navaneeth C S, "Combination of Transformation and Substitution Based Image Encryption for LosslessFurtive Image Sharing", ***International Journal of Recent Technology and Engineering***, Vol.08, No. 04, pp. 9133-9138, 2019 ***(Scopus, Scimago H-20, Q4)***

21. **Prajwalasimha S N**, Aishwarya V Kumar, Arpitha, C.R., Swathi, S and Spoorthi, B., "Lossless Watermarking for Image Ratification: An Implementation based on 12th Root of Exponential Function", ***International Journal of Innovative Technology and Exploring Engineering***, Vol. 09, No. 01, pp. 4631–4636, 2019 ***(Scopus, Scimago H-40, Q4)***

22. **Prajwalasimha S N**, Aishwarya V Kumar and Arpitha, C.R., "On the Sanctuary of a Combined Confusion and Diffusion Based Scheme for Image Encryption", ***International Journal of Engineering and Advanced Technology***, Vol. 09, No. 01, pp. 3258–3263, 2019 ***(Scopus, Scimago H-20, Q4)***

23. **Prajwalasimha S N**, Chethan Kumar M P, Shiva S, Suryaprasad G N and Navaneeth C S, "2D-Crypt: Image Encryption and Decryption in Chaotic Domain", ***International Journal of Engineering and Advanced Technology***, Vol. 09, No. 02, pp. 5241–5245, 2019 ***(Scopus, Scimago H-20, Q4)***

24. **Prajwalasimha S N**, Chethan Suputhra, S. and Mohan, C.S., "Design and Implementation of Image Watermarking Scheme based on Exponential Function", ***International Journal of Innovative Technology and Exploring Engineering***, Vol. 08, No. 12, pp. 5789–5792, 2019 ***(Scopus, Scimago H-40, Q4)***

25. **Prajwalasimha S N**, Chethan Suputhra, S. and Mohan, C.S., "Performance Analysis of Combined Discrete Fourier Transformation (DFT) And Successive Division Based Image Watermarking Scheme", ***International Journal of Recent Technology and Engineering***, Vol. 08, No. 03, pp. 34-39, 2019 ***(Scopus, Scimago H-20, Q4)***

26. **Prajwalasimha S N,** Chethan Suputhra, S. and Mohan, C.S., "Performance Analysis of DCT and Successive Division based Digital Image Watermarking Scheme", ***Indonesian Journal of Electrical Engineering and Computer Science***, Vol. 15, No. 02, pp. 750–757, 2019 ***(Scopus, Scimago H-17, Q3)***

27. **Prajwalasimha S N,** Kavya S R and Navyakanth C, "Digital Image Encryption based on Transformation and Henon Chaotic Substitution", *Proc. of IEEE International Conference on Recent Trends on Electronics, Information, Communication & Technology*, ***IEEE***, pp. 1237-1241, 2019 ***(Scopus, WOS, Scimago H-11)***

28. **Prajwalasimha S N** and Basavaraj L, "Design and Implementation of Transformation and Non-Chaotic Substitution Based Image Cryptosystem", ***International Journal of Engineering and Advanced Technology***, Vol. 08, No. 06, pp. 1079–1083, 2019 ***(Scopus, Scimago H-20, Q4)***

29. **Prajwalasimha S N,** Yogesh Gowda S and Nikitha M, "Image Encryption based on Pseudo Hadamard Transformation with Constant Co-efficient", *Proc. of IEEE International Conference on Recent Trends on Electronics, Information, Communication & Technology*, ***IEEE***, pp. 210-214, 2019 ***(Scopus, WOS, Scimago H-11)***

30. **Prajwalasimha S N,** Mohan, C.S and Chethan Suputhra, S., "Digital Image Watermarking based on Sine Hyperbolic Transformation", *Proc. of IEEE International Conference on Electrical, Computer and Communication Technologies*, ***IEEE***, pp. 1-6, 2019 ***(Scopus, WOS, Scimago H-11)***

31. **Prajwalasimha S N**, Sonashree S, Ashoka C J and Ashwini P, "Digital Image Watermarking Using Sine Transform Technique", *Lecture Notes in Computational Vision and Biomechanics*, Vol. 30, ***Springer Nature***, pp. 1-8, 2018 ***(Scopus, Scimago H-15, Q3)***

32. **Prajwalasimha S N** and Pavithra A C, "Digital Image Watermarking based on Successive Division", *Proc. of IEEE International Conference on Communication and Electronics Systems*, ***IEEE***, pp. 31-36, 2018 ***(Scopus, WOS, Scimago H-12)***

33. Anupama Shetter, **Prajwalasimha S N** and Swapna Havalgi, "Image De-Noising Algorithm based on Filtering and Histogram Equalization", *Proc. of IEEE International Conference on I-SMAC*, ***IEEE***, pp. 31-36, 2018 ***(Scopus & WOS)***

34. **Prajwalasimha S N**, Swapna Havalgi and Anupama Shetter, "Digital Image Watermarking Based on Sine Transformation with Constant Co-Efficient", *Proc. of IEEE International Conference on Inventive Research in Computing Applications*, ***IEEE***, pp. 325-329, 2018 ***(Scopus & WOS)***

35. **Prajwalasimha S N**, Anupama Shetter and Swapna Havalgi, "Digital Image Watermarking using Tenth Root of Exponential Function*", Proc. of IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology*, ***IEEE***, pp. 634-638, 2018 ***(Scopus, WOS, Scimago H-11)***

36. **Prajwalasimha S N**, Sowmyashree A N, Suraksha B and Shashikumar H P, "Logarithmic Transform based Digital Watermarking Scheme", *Lecture Notes in Computational Vision and Biomechanics*, Vol. 30, ***Springer Nature***, pp. 9-16, 2018 ***(Scopus, Scimago H-15, Q3)***

37. **Prajwalasimha S N**, Anupama Shetter and Swapna Havalgi, "Finger Print Image Enhancement Using Thresholding and Binarization Techniques", *Proc. of IEEE Second International Conference on Inventive Communication and Computational Technologies*, ***IEEE***, pp. 897-900, 2018 ***(Scopus & WOS)***

38. **Prajwalasimha S N** and Usha Supendra, "Multimedia Data Encryption based on Discrete Dyadic Transformation", *Proc. of IEEE International Conference on Signal Processing and Communication*, ***IEEE***, pp. 492-496, 2017 ***(Scopus & WOS)***

39. **Prajwalasimha S N** and Bhagyashree S R, "Image Encryption using Discrete Radon Transformation", *Proc. of IEEE International Conference on Electrical, Computer and Communication Technologies*, ***IEEE***, pp. 1-4, 2017 ***(Scopus, WOS, Scimago H-11)***

40. Goutham L, Mahendra M S, Manasa A P and **Prajwalasimha S N,** "Modified Hill Cipher Based Image Encryption Technique", ***International Journal for Research in Applied Science & Engineering Technology***, Vol. 05, No. 04, pp. 342–345, 2017 ***(Index Copernicus & ISI)***

41. Shwetha R, Umme Rumana, Bindu K R and Shashidhara S and **Prajwalasimha S N** "Image Encryption using Substitution and Discrete Cosine Transform Technique", ***International Journal for Scientific Research & Development***, Vol. 05, No. 02, pp. 1248–1250, 2017 ***(Google Scholar)***

42. Bhagyashree S R and **Prajwalasimha S N,** "Review on Diagnosis of Alzheimer's Disease using MRI", ***International Journal of Innovative Research in Science, Engineering and Technology***, Vol. 06, No. 01, pp. 1246–1249, 2017 ***(Index Copernicus)***

43. **Prajwalasimha S N,** "Design and Development of Real Time Self Navigation Robot for Agricultural Activities", ***International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering***, Vol. 05, No. 05, pp. 3680–3684, 2016 ***(Google Scholar)***

44. **Prajwalasimha S N,** "G 652 B Single Mode OFC based Optical Network for Railway Telecommunication System", ***International Journal of Engineering Science and Innovative Technology***, Vol. 03, No. 04, pp. 143–150, 2014 ***(Google Scholar)***

45. **Prajwalasimha S N** and Kamalesh V N**,** "Macro Bending Loss in Single Mode Optical Fibre Cable for Long Haul Optical Networks", ***International Journal of Emerging Technology and Advanced Engineering***, Vol. 04, No. 06, pp. 863–865, 2014 ***(BASE, ISI and Index Copernicus)***

ADMINISTRATIVE WORKS

- Signal and Image Processing Laboratory Incharge (2017-2022)
- Institute Level Academic Council Member (2019-2021)
- Member of Department Activity Committee for OBE Attainment Process (2017-2022)
- Member of Department Level Accreditation Committee-NBA (2017-2019)
- Member of Institute Level Accreditation Committee -NAAC Criteria-03(2020-2022)
- Member of Department Advisory Board (2014-2015)

VALUE ADDED Programs

- One Week Faculty Development Program on "Taking Research to Next Level" Held at Venkateshwara College of Engineering, Bengaluru from 26th to 30th Sep 2022
- Five days Faculty Development Program on "Artificial Intelligence" Held at Microsoft & SAP India from 19th to 23rd Sep 2022
- Five days Faculty Development Program on *"Advanced Tools and Techniques for best Research"* Held at RV Institute of Technology and Management, Bangalore from 26th to 30th Sep 2022
- Five days Faculty Development Program on *"Recent Trends On Microwave And Antenna Technologies"* Held at East Point College of Engineering, Bangalore from 15th to 19th Nov 2021
- Five days Faculty Development Program on *"Recent Trends in Electrical Engineering"* Held at Thirumala Engineering College, Guntur from 25th to 29th June 2021
- Five days Faculty Development Program on "Data Sciences" Held at MIT Campus, Anna University, Chromepet from 14th to 18th Dec 2020
- Five days Faculty Development Program on "Academic Writing and Ethics in Research" Held at Guru Nanak Dev University Amritsar from 02nd to 08th Dec 2020
- Five days Faculty Development Program on "Control Systems & Sensors Technology" Held at Government College of Engineering, Srirangam from 17th to 21st Aug 2020
- Two Weeks Faculty Development Program on "Quantitative Methods For Data Analysis" Held at Ramanujan College, Delhi University from 12th to 25th Aug 2020
- One Week Faculty Development Program on "Recent Trends in Mechatronics and Automation" Held at NBN Sinhgad School of Engineering, Ambegaon from 30th June to 04th July 2022

- Five days Faculty Development Program on *"Digital Image Processing"* Held at GSSSIETW, Mysuru from 8th to 12th July 2019
- Five days Faculty Development Program on *"Advanced Control Theory & Latex"* Held at ATMECE, Mysuru from 15th to 19th July 2019
- Six Weeks Faculty Development Program on *"Workplace Communication"* Held at IIT, Bombay from 04th Oct to 12th Nov 2018
- Three day Workshop on *"Computer Networks Using Network Simulator"* Held at ATMECE, Mysuru from 2nd to 4th January 2018
- International Symposium on *"Smart Grid Technologies"* Held at NIEIT, Mysuru from 27th -28th January 2017
- National Seminar on *"Recent Advances in Communication Technologies"* Held at NIEIT, Mysuru on 18th March 2017
- *"ARDSI 20th Annual National Conference Meet 2016"* Held at All India Institute of Speech and Hearing, Mysuru from 10th to 11th December 2016
- Six months Internship on "*Advances in Embedded System and its Applications*" Udaya Technologies Pvt. Ltd., Mysuru from 1st December 2013 to 31st May 2014
- Technical Seminar on *"Signal Processing and its Applications"* Held at VTU Regional Centre, Mysuru on 26th February 2014
- Two day Workshop on *"ASIC Design Using Open Source EDA"* Held at VTU Regional Centre, Mysuru from 16th to 17th April 2013
- Three day Workshop on *"Image Processing and its Application"* Held at VTU Regional Centre, Mysuru from 22th to 24th December 2017

#40, 12th Cross, 22rd Main
Raghvendra layout, Padmanabhnagar
Bangalore-560070
Karnataka, India

Contact No: +91-9035764724
e-mail: Shivanand.ghule@gmail.com

BIO-DATA

Name: Shivanand C Ghule

Designation: Assistant Professor

Area of interest: Structural Engineering

Google Scholar id: ZTuVangAAAAJ

Education:

- Pursuing **Phd (2016 batch)**, VTU, Dayananda Sagar College of Engineering, Bangalore.
- **MTech in Structural Engineering**, Govt. SKSJTI, Bangalore, VTU,2011- 2013 - First Class with Distinction
- **Bachelor of Engineering in Civil**, P.D.A.C.E, Gulbarga, Gulbarga University, 1999 – First Class with Distinction
- SSLC, Jeevan Prakash High School, Gulbarga, 1993 - Second Class

Working Experience:

1) **Feb2015 to Till date: The Oxford College of Engineering, Bangalore**
   Designation: Asst. Professor

2) **March 2012 to Jan 2015: STAC consultants, Bangalore**
   Role: RCC Design & Steel Detailing

Job profile:

- Planning, analyzing and designing of RCC structures
- Project construction activities, scheduling, billing etc
- Involved in Wind load Analysis and Earthquake load analysis.
- Modeling, analysis and design of Structures and its elements using STAAD Pro
- Preparation of design document with detailed load calculations and design philosophy

Few projects done are:

- **Residential Apartments & Commercial Buildings in Bangalore & Gulbarga**
  - Involved in the Design of G+4 with a built-up area of about 4500 sq.m
  - Involved in the Design for G+3 with a built-up area of about 3500 sq.m
  - Involved in the Design of many G+2and G+1 buildings

3) Oct 2003 to June 2010: Sudharshan Structural Detailors Private Ltd, Bangalore

Role: Detailing Manager (Steel detailing for American Projects)

Job profile:

- Planning, execution and coordination of projects.
- Checking structural steel members like beams, columns, bracings and miscellaneous items (Gate, Ladder, Bar foot rail Etc).
- Checking of AB Plans, Erection plans, Bracing Layouts & Sections.
- Checking of Steel joist, Girder & Steel Deck Erection Plans & Shop Drawings. (As Per Vulcraft & Other American Joist supplier)
- Grating Erection plans & shop drawings (Working For O'Neal Steel,Inc. Birmingham,AL)
- Checking of Stair, Rails & Roof top units (RTU'S).
- Steel Take off & Preparing Respective Summary.
- Checking Anchor bolt takeoff & Supply list For Power plant, Oil refiner's projects etc.
- Familiar with AISC standard
- Undergone Training from AL BINNING (Instructor for Southwestern community college, Creston, IA, USA)

Few projects done are:

Wall mart, CVS pharmacy, Home depot, PF-Chang, Ruby Tuesday, chillis, Taco bell, Bahama brezze, Industrial buildings. Dave & busters.TGI Friday, Long horn, Olive garden, Mc donalds, Best buy

4) May2000 to Sep 2003: Ayyappa Construction Company, Hyderabad

Role: Assistant Project Engineer

Job profile:

- Handling Construction of Commercial & Government buildings
- Cable Duct & Tower foundation Works.
- Dealing with Measurements, Estimation, Billing and Tender work.
- Site inspection & quality Assessment of Work

Papers presented:

- A Comparative Study of Framed Structure, Frame Tube and Tube In Tube Structures Subjected To Lateral Load Under Zone Iii And Zone V, *International Journal of Research in Engineering and Science (IJRES), Volume 10 Issue 4 ǁ 2022 ǁ PP. 07-13*

- Effect of Lateral Load in High Rise Structure with Plan Irregularity, *International Journal of Combined Research & Development (IJCRD),* Volume: 10; Issue: 5; May - 2021,pp 173-184

- Seismic analysis of tall structure with optimum location of shear wall, *International Journal of Combined Research & Development (IJCRD),* Volume: 9; Issue: 4; April - 2020,pp 275-589

- Seismic analysis of multistorey RC buildings with base isolation system, *International Journal of Creative Research Thoughts* (IJCRT) Volume 6, Issue 2 April 2018 | ISSN: 2320-2882, pp. 126-133.

- Effect of floating columns and soft storey on seismic response of muulti-storeyed RC framed buildings, International Journal of Creative Research Thoughts (IJCRT) Volume 6, Issue 2 April 2018 | ISSN: 2320-2882, pp. 296-305.

- Seismic Performance Evaluation of Existing Bridge, International Journal of Science, Engineering and Technology Research (IJSETR) Volume 5, Issue 5, May 2016, ISSN: 2278 – 7798, pp. 1596-1602.

- Performance Study of High Rise Buildings with Dia-grid and Hexagrid Systems under Dynamic Loading, International Journal of Engineering Science and Computing (IJESC), Volume 6 Issue No. 4, ISSN 2321 3361, pp. 4757-4761.

- Dynamic Behavior of High-Rise RC Building with a Vertical Irregularity, International Journal of Science, Engineering and Technology Research (IJSETR) Volume 5, Issue 5, May 2016, ISSN: 2278 – 7798 pp. 1615-1621.

- Study of high rise structure with soft storey at different Level by considering slab as shell and membrane" in The International Journal of Science & Technoledge, ISSN 2321-919X, Volume 3,Issue 5, May,2015 pp. 94-100.

- Study of an irregular plan with different orientation of shear wall in a high rise structure ,The International Journal of Science & Technoledge, ISSN 2321-919X Volume 3,Issue 5, May,2015 pp. 181-188

Workshop,FDP,Webinar & Seminar:

- Attended One Week Online Teachers Training Program On "An Overview of Teaching Techniques in Earthquake Resistant Design of Structures" 16th – 20th May 2022
- Attended One Week Online certification course on" Universal Human Value" conducted by AICTE- 10 to 14 Oct 2022
- Attended One Week Online FDP ON "Sustainable Energy Efficient Green Technology" organized by MSRIT Bengaluru- 21 to 26 March 2022
- Attended One Week Online FDP ON "GIS for Smart City" organized by Presidency University, Bengaluru- 12 to 16 DEC 2022
- Organized and coordinator for National Conference on Science, Engineering, Management & Architecture-2K20 Virtual Online on 15th & 16th July 2020
- Attended One Week Online webinar on "STRUCTURES" organized by BMSIT, Bangalore- July 07 to 11-2020

- Attended One Week Online FDP on "Smart Solutions in Civil Engineering" organized by KSSEM, Bangalore- July 20 to 24-2020
- Attended Two Days National Workshop on "RECENT TRENDS IN CIVIL ENGINEERING CONSTRUCTIONS" by JSPM's Rajarshi Shahu College of Engineering, Pune on 30 & 31st May2020
- Attended Workshop on "Robust Structural Health Monitoring Technologies for Critical Infrastructure Management" on 4th March 2020 at CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai
- Attended workshop on "Advance Training on Ansys", held at SJBIT, Bangalore on 23rd – 28th July 2018
- Attended workshop on "MATLAB for Engineers", held at SJBIT, Bangalore on 25th – 30th July 2016.

Computer Knowledge:

STAAD-Pro, ETAB, ANSYS, SAP, AutoCAD, MS project, MS Office, Tekla (X-steel), Detail cad.

Personal Details:

- Date of Birth : 4th June 1977
- Marital status : Married
- Languages Known : Kannada, English and Hindi

Declaration:

I hereby declare that the above mentioned statements are true and correct to the best of my knowledge.

Place: Bangalore

Date: (Shivanand C Ghule)

CURRICULUM VITAE

Dr. B. SRILATHA,
NO: 17, Flat No: 504,
Shreyas Residency, BTR Gardens,
Kudlu, Hosur Main Road,
Bangalore - 560068
Karnataka.

Associate Professor,
ECE Department
The Oxford College of Engineering,
Bommanahalli
Bangalore - 560068
Mobile No: + 91 8095482005
E-mail: bsrilatha49@gmail.com

Objective:

Seeking a position in a reputed organization to utilize my skills, abilities and enhance my knowledge in related technology to take up a challenging career in industry and look for career growth along with Organization growth.

ACADEMIC PROFILE

Degree	Institution	Percentage of Marks	Year of Passing
Ph. D (ECE)	GITAM University, Visakhapatnam. A.P. Registration No.: 1260412420	NA	2019
M.E. (ECE)	Anna University Campus, Guindy, Chennai, T.N.	CGP - 7.8%	2007
	ALL INDIA GATE	98.0 Percentile	2005
B. E (EIE)	Sir. C.R.Reddy College of Engg, Eluru, A.P. (Andhra University)	73.45 %	2003

RESEARCH WORK

Ph.D Research work done in the area of image processing in medical applications with the title of **New Analysis for Identification of Eye Diseases from the Blood Sample Values** at GITAM University, Visakhapatnam, A.P.

EXPERIENCE

- Having **13.5 Years** of total Teaching Experience.
- St. Ann's College of Engineering & Technology, Chirala, A.P. - Asst. Professor: from Oct-2007 to May-2009.
- **Sri Sairam College of Engineering**, Anekal, Bangalore.- **Asst. Professor**: from **Feb-2010 to Aug-2022.**
- The Oxford College of Engineering, Bangalore- Associate Professor from Aug-2022 to till date

SUBJECTS HANDLED

➢ Control Systems ➢ Machine Learning ➢ Signals and Systems ➢ Digital Signal Processing ➢ Network Analysis ➢ Power Electronics ➢ Information Theory and Coding ➢ Python Application Programming	➢ Linear IC's and Applications ➢ Digital Switching Systems ➢ Electronic measurements and Instrumentation ➢ Industrial Electronics ➢ Basic Electronics ➢ Analog electronic circuits ➢ Telemetry and Tele Communication

RESPONSIBILITIES UNDER TAKEN

- NAAC & NBA – Criteria 2 Coordinator
- AICTE Students Activity Points (SPOC)
- SIH Coordinator & Evaluator
- ICT Coordinator
- Class Coordinator
- Mentor Responsibility
- KSCST & VGST Proposals in charge
- In charge HOD
- IEEE PAPERS Reviewer

PROJECTS GUIDED

- 18 batches of students for their B.Tech projects.

PROJECTS HANDLED FOR BACHELOR OF ENGINEERING

1. E.C.G Wave Analysis by Using Neural Networks.
2. Improved GVF Method for image segmentation of X-Ray coronary angiogram images using MATLAB.
3. Hand Written Character Recognition using MATLAB.
4. Digitization of E.M.G Using C.
5. Extraction of Blood Vessels and Exudates from Retinal Images using Image processing algorithms.
6. Comparison of active contours models for X-Ray coronary angiogram images using MATLAB.
7. Extraction of Blood Vessels from Retinal Images using improved Median Filter and Kirsch Edge Detection Filter.
8. Comparison of all types of filters for Retinal Images using MATLAB.

HONOURS AND AWARDS

- Achieved **98.0 Percentile** with 98th Rank in All India Level **GATE Examination, 2005**.
- Achieved **91.45 Percentile** in All India Level **GATE Examination, 2004**.
- Attended as a one month training program held at Apollo Hospitals, Chennai, on Medical Equipments.
- **Completed 3 NPTEL Courses Successfully in the Academic Year 2017-18**

S. No.	Course Name	Score
1	Discrete Time Signal Processing	**80% with Topper in 5**
2	Digital Image Processing	66%
3	Control Engineering	55%

- **5 Papers** published in **Scopus** Index Journals
- **Paper** published in **Springer**
- More than **10 papers** published in **UGC**
- Got the **best paper** award in **International Conference** held at Jain College of Engineering, Belgaum, in the year 2017.
- Mentor in **SIH-2020**
- **SIH & Toyacathon Event Evaluator**
- Completed edx Certification course
- Completed Coursera Certification courses
- NITTT- Module-1,2,4,5 completed.
- Successfully completed online courses on Python Programming.

PUBLICATIONS

1. B. Srilatha*, Dr. V. Malleswara Rao, "Extraction of Blood Vessels and Exudates from Retinal Images Using Image Processing Algorithms", INTERNATIONAL JOURNAL OF SCIENCE AND ENGINEERING RESEARCH. Vol6, Issue 5, May-2015.
2. B. Srilatha*, Dr. V. Malleswara Rao, "Extraction of Diabetic and Eye Diseases from the Retinal Images Using Image Processing Algorithms", INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH (IJAER). Vol.10, No.86, 2015, (SCOPUS).
3. B. Srilatha*, Dr. V. Malleswara Rao," Retinal Diagnosis exploitation image process Algorithms", International Organization of Scientific Research (IOSR). Volume 11, Issue 4, Version I (JUL-AUG2016).
4. International Journal of Multidisciplinary Research Centre, Research Article , ISSN: 2454-3659 (P), 2454-3861(E), Volume II, Issue 8 January 2016 " Extraction Of Blood Vessels From Retinal Images Using Improved Median Filter And Kirsch Edge Detection Filter", ",B.Srilatha1, Dr.V.Malleswara Rao 2, pg no -12-20. Impact factor: 3.827.
5. B. Srilatha*, Dr. V. Malleswara Rao, "New Analysis for Identification of Eye Diseases", Journal of Ecophysiology and Occupational Health (JEOH).Volume 17 (3&4), july-december2017. (SCI JOURNAL)
6. B. Srilatha*, Dr. V. Malleswara Rao, "New Analysis for Identification of Eye Diseases from the Blood Sample Values", International Journal of Control Theory and Applications

(IJCTA). Volume 10, number 18, 2017. (SCOPUS).

7. B Srilatha*, Dr. V. Malleswara Rao, "Extraction of Diabetic and Eye Diseases Using Image Processing Algorithms", INTERNATIONAL JOURNAL OF ENGINEERING SCIENTIFIC RESEARCH (IJESR). Vol5, Issue5, Nov2015, (SCOPUS).
8. B. Srilatha*, Dr. V. Malleswara Rao," Eye Diagnosis using image process Algorithms", just last month published for Springer publications. "Lecture notes on networks and systems" (SCI JOURNAL).
9. Dr.B.Srilatha, Extraction Of Exudates Using Improved Median Filter And Improved Fuzzy Clustering Method, ISSN- 2394-5125 VOL 7, ISSUE 15, 2020.

PRESENTATIONS

1. Comparison of active contour models for X-Ray angiogram images. Presented international level conference paper on July 2007 at S.S.N. Institutions, Chennai.
2. Detection of diabetic retinopathy from the retina images with feature extraction using image processing algorithms. Presented national level conference paper on March 2015 at Adhyaman College of Engineering, Hosur, T.N.
3. Detection of blockage in blood vessels from X-Ray angiogram images using image processing algorithms. Presented national level conference paper on April 2007 at Thanthai Periyar Government Institute of Technology, Vellore, T.N.
4. Detection of diabetic retinopathy from the retina images using image processing algorithms. Presented national level conference paper on April 2015 at Raja Rajeswari College of Engineering, Bangalore. K.A.
5. B. Srilatha*, Dr. V. Malleswara Rao, "Extraction of Diabetic and Eye Diseases From The Retinal Images Using Image Processing Algorithms". Proceedings of the international Conference on Emerging trends in engineering research (ICETER), VRS &YRN College of engineering and technology, Chirala, India. 10-11, October2015.
6. B. Srilatha*, Dr. V. Malleswara Rao, "Extraction of Diabetic and Eye Diseases From The Retinal Images Using Image Processing Algorithms". Proceedings of the international Conference on Micro-electronics and emerging technology (ICMEET), Gitam University, Vishakhapatnam, India. 18-19, Dec 2015.
7. B. Srilatha*, Dr. V. Malleswara Rao, "Extraction of Diabetic and Eye Diseases From The Retinal Images Using Image Processing Algorithms". Proceedings of the international Date Engineering and Communication Systems, (ICDECS), RNS IT, Bangalore, India. 27-28, Dec 2015.
8. B. Srilatha*, Dr. V. Malleswara Rao, "Retinal Diagnosis exploitation image process Algorithms", International Conference on Innovations in Electronics & Communication Engineering-(ICIECE-2016). Guru Nanak Institutions Technical Campus, Hyderabad, India. 8-9, July-2016.
9. B. Srilatha*, Dr. V. Malleswara Rao, "New Analysis for Identification Of Eye Diseases From The Blood Sample Values", International Conference On Sustainable Computing Techniques In Engineering, Science And Management SCESM-2017, Jain college of Engineering, Belgam, india.27-28, jan-2017.
10. B. Srilatha*, Dr. V. Malleswara Rao, "New Analysis for Identification Of Eye Diseases From The Blood Sample Values", Got Best Paper Award in International Conference On Sustainable Computing Techniques In Engineering ,Science And Management SCESM- 2017, Jain college of engineering, Belgam, India.27-28, jan-2017.

PATENTS FILED:

1. Patent Application N0: 202141000444A
   Title:-An Adoptive Technique Digital Signal Processing Filtering For Image Processing.

2. Patent Application N0: 202141000446A
   Title:-A IOT Integrated Wearable Patent Healthcare Monitoring Apparatus.

PROJECTS APPLIED FOR FUND

ACADEMIC YEAR 2019-20

S. No	Title of the Projects	Name of the Body	Fund Proposed
1	Digitization Of Shopping Cart Using Virtual Processors	VTU-TEQIP Cell	3LAKS
2	Smart Agriculture Using Image Processing Techniques and Drone for Substantial Production, Cell	VTU-TEQIP Cell	3LAKS
3	Artificial Intelligence Drone for Substantial Production in Agriculture	VGST	5 LAKS
4	Security System for Bike Ignition	KSCST	39,500
5	IOT Solution for crop protection from Wild Animal Attacks	KSCST	39,500
6	AICTE FDP	AICTE	8 LAKS

ACADEMIC YEAR 2020-21

S. No	Title of the Projects	Name of the Body	Fund Proposed	FUND SANCTIONED
1.	Smart Dustbin- The Future Waste Management	VGST	2.71LAKS	3 LAKS

TECHNICAL EXPOSURE

- Programming & Coding skills : C , C++, MAT LAB
- Assembly Language Programming : 8085

WORKSHOPS ATTENDED

1. Participated in the staff development program on “Instructional Design and Delivery Systems” St. Ann’s College of Engineering and Technology, Chirala, A.P.
2. Attended one day national level workshop on “VLSI SYSTEM DESIGN” at St. Ann’s College of Engineering and Technology, Chirala, A.P.
3. Participated One week program on “Research Methodology” at St. Ann’s College of Engineering and Technology, Chirala, A.P.
4. Attended one week workshop on “VIRTUAL INSTRUMENTATION” at Sri Sai Ram College of Engineering, Bangalore.
5. Attended Two days workshop on “IMAGE PROCESSING TOOLS AND APPLICATIONS” at KSCST, Bangalore.
6. Attended four days workshop on Latest Advances in Wireless Communication & Wireless Sensor Network at Sir MVIT, Bangalore.

TRAINNING PROGRAMMES ATTENDED

1. AICTE Quality Initiatives & Sensitization of Technical Teachers Training, CAMBRIDGE Institute of Technology, 16th December 2019.
2. Massive Parallel Super Computing using open CL Framework on the Heterogeneous Computing Platform, DON BOSCO Institute of Technology,06.01.2020 to 18.01.2020.
3. Outcome Based Education(OBE) and NBA Accreditation, 20.01.2020 to 24.01.2020.
4. EMERGING TRENDS IN CYBER SECURITY, CMRIT, 15.06.2020 TO 20.06.2020.
5. OBE & its Impact on Accreditation Process, RVCE, 6-10 July 2020.

PERSONAL PROFILE

Name	:	Dr. B. Srilatha
Father's Name	:	B. Nageswara Rao
Date of Birth	:	20th May 1981
Sex	:	Female
Nationality	:	Indian
Marital Status	:	Married
Languages Known	:	English, Telugu, Kannada, Tamil, & Hindi.

DECLARATION

I hereby declare that all the information given above is genuine to the best of knowledge and brief and if you give an opportunity to work in your organization, I will put my best efforts.

Place & Date :

Bangalore **B. Srilatha**

CURRICULUM-VITAE

Dr MADHURA.S

No 77/1, Opposite to SGPTA School
Nethaji Road, Thyagaraja Nagar
Bengaluru - 560028
Karnataka. India.

Email:- madhumithamay16@gmail.com
Ph: - 9916255935

Professional Summary

Exceptionally seasoned and dedicated faculty with a strong record of teaching, research and industrial experience. Strong ability to deliver course material through a variety of teaching method. Has the ability to conduct research and feasibility studies in the field of interest. Knowledgeable in the field of design, machining and fabrication process of mechanical components as well as multidisciplinary engineering fields.

Skills

- Presentation and communication skills
- Course planning
- Project management
- Research background
- Administrative skills
- Mentoring
- Multitasking ability
- Software expertise
  Solid edge, Catia, Pro E, Solid works, Ansys, Master CAM

Field of Specialization:

Machine Design, Tribology and Bearing design, Mechatronics.

Academic Record

Degree	Institution	University	Year	Percentage
Ph. D	K S Institute of Technology Bengaluru	VTU, Belagavi	2020	--
M E	Adhiyamaan College of Engineering, Hosur, Tamil Nadu	Anna university, Tamil Nadu	2011	8.71 (CGPA)
B E (I & P)	PES College of Engineering, Mandya.	VTU, Belagavi.	2008	72%

Ph. D Thesis Title: Feasibility studies on utilization of Hall Magnetic Sensor for Active Magnetic Bearing applications.

Teaching and Industrial/Research Experience

Assistant Professor **Department of Mechatronics Engineering, The Oxford College of Engineering, Bengaluru**	**April 2023 to Present**
Proprietor / Design Consultant **Madhumitha Engineering Services** Projects Handled • Design modification of the Cryogenic De-flashing machine • Hydraulic power pack design for surface finishing machine. • Necking and Trimming machine. • Rotor shaft complete machining, assembly and box up. • Rotor shaft and Nozzle chest refurbishing. • Waste Disposal machine (Under Progress) • AMB design for high speed shaft (Guiding M Tech project)	**January 2018 to March 2023**
Assistant Professor **Department of Mechanical Engineering, KSIT, Bengaluru**	**July 2015 to December 2017**
Senior Lecturer **Department of Mechanical Engineering Sai Ram Engineering College, Anekal, Bengaluru.**	**February 2009 to November 2013**

Subjects Taught

Mechanics of Materials, Machine Drawing, Computer Aided Engineering Drawing, Finite Element Methods, Design of Machine Elements, Mechanics of composite materials, Kinematics of Machines, Control Engineering, Mechatronics.

Administrative Experience

- Seminar, Placement, Timetable, ISO and Automation Coordinator.
- Programming and Organizing Committee member in technical symposium and workshop.

Membership:

Institute of Engineer - MIE

Publications/Conference/ Workshops (List enclosed)

Publications		Conference		Workshops	FDP	STTP
International	National	International	National			
5 (2 - Under Review)	-	2	1	6	2	1

Personal Details

Date of Birth : March 15, 1987

Gender : Female

Martial Status : Married

Husband's Name : Amith.M.N

Nationality : Indian

Languages Known : Kannada, English, Hindi

Place: Bengaluru. (MADHURA.S)

Professional References

1. Dr T V Govindaraju

   Principal (Retd)

   KS Institute of Technology, Bengaluru

   Mail: govindaraju_raju@gmail.com

   Ph :- 9663778001

2. Dr N R Ramesh

   Director/Scientist (Retd)

   Propulsion division, NAL, Bengaluru.

   Ph :- 9945979195

Publications:

1. Madhura S, Pradeep B Jyothi, Dr T V Govindaraju; FEM based modeling of AMB control system, *International Journal of Mechanical Engineering and Technology (IJMET), Volume 4, Issue 3,* May June 2013, Pages 191-202.
2. Madhura S, Dr T V Govindaraju; Design and Testing of an Active magnetic Bearing, *International Journal of Advance Research in Science and Engineering, Volume 6, Issue No 10,* October 2017, ISSN (o):2319-8354, ISSN (P): 2319-8346.
3. Madhura S, Dr T V Govindaraju; Design and Simulation of 8 pole Heteropolar Active Magnetic Bearing, *Frontiers, Journal of Social, Technology and Environmental Science Scopus Indexed,* Communicated, September 2021. (Under review)

   Submission Number: 3137
4. Darshan S, Sachhidananda M H, Dr Madhura S, Design and analysis of Active Magnetic Bearing for high speed shaft, International Journal of Advanced Mechatronic system. March 2022 (Under review).

Conferences

1. Madhura S, Dr T V Govindaraj; Design of an Active magnetic Bearing, *International NAFEMS conference on Engineering analysis, Modeling, Simulation and 3D Printing (NAFEMS 3D),* NIMHANS Convention Centre, Bangalore India, August 2016.
2. Madhura S, Dr T V Govindaraju, Design and Testing of an Active Magnetic Bearing, *6th International conference on Emerging trends in Engineering technology, Science and Management, Institution of Electronics and Communication Engineers,* Ganganagar, Bengaluru.2017 ISBN: 978-93-86171-70-2.
3. Madhura S, Dr T V Govindaraju, Control Parameters of Active Magnetic Bearing, *National Conference on Current developments and Its applications in Mechanical Engineering (NCCDAME),* May 2017.

Workshops

1. A workshop on “Research methodologies and Latex” organized by VTU e learning Center, Mysuru from 18th to 20th March 2015.
2. A workshop on “Nanostructured, Smart and Electronic materials” organized by Department of Mechanical Engineering, RRCE, Bengaluru on 8th January 2016.
3. A workshop on “FEM & Practical Stress analysis: Benchmark and Best Practices” organized by NAFEMS, Bengaluru, India from 29th to 30th August 2016.
4. A workshop on “Automotive Technology” organized by SAEINDIA KSIT collegiate club and in association with SAEINDIA, Bengaluru on from 13th to 15nd October 2016.
5. A workshop on “Non conventional Energy resources and its applications for the society” organized by Department of Mechanical Engineering, KSIT, Bengaluru on from 20th to 22nd October 2016.

FDP

1. A Faculty development programme on “R & D Funding Opportunities and Intellectual Property Rights” organized by IPR/IEI, KSIT, Bengaluru from 28th to 30th March 2016.
2. One Week AICTE–VTU Joint Teachers Training Programme on “Smart Materials & Systems” Organized by Visvesvaraya Technological University, Centre for PG Studies,VIAT, Muddenahalli, Chikkaballapur (Dist.) – 562101 from 29th May to 02nd June 2023.

Webinar

1. National level webinar in Innovative technologies and Job opportunities in WEB3.0 Metaverse, AR &VR and livestreaming media organised by Department of visual communication, Sathyabama Institute of Science and Technology, Chennai on 15th April 2023

STTP

1. One week online short term training program (STTP) on Analysis of Mechanical Systems Using ANSYS Fluent (CFD) & Multibody Dynamics (MBD) Approved by ISTE organized by STES's Sinhgad College of Engineering, Pune, Maharashtra, held during 24th April 2023 to 29th April 2023.

CURRICULUM VITAE

Name	Dr. Vidyadhar Pujar	
Designation	Associate Professor	
Educational Qualification	B.E. (Mechanical Engineering) M.Tech (Design Engineering) Ph.D (Mechanical Engineering Science)	
Teaching Experience	12 years	
Email Id &MobileNo	V8123340411@gmail.com Ph-8123340411	

EDUCATIONAL QUALIFICATION DETAILS:

Degree	Specialization	University	College/ Institute	Year of Completion
B.E.	Mechanical Engineering.	Visvesvaraya Technological University.	B.I.T.M Bellary.	2007
M.Tech	Design Engineering	Visvesvaraya Technological University.	DSCE Bangalore.	2011
Ph.D	Mechanical Engineering. Science.	Visvesvaraya Technological University.	DBIT Bangalore.	2021

Research Interest: Metal matrix composites, Design of Static, dynamic and modal analysis of machine Components.

Dissertation Topic: "Development and Characterization of artificial aged Al2218 boron carbide Nano Composite in improving the mechanical and tribological properties for the high Temperature applications"

EMPLOYMENTDETAILS:

Employer	Post held	Period	Work profile
The oxford College of Engineering,Bangalore-68	Associate Professor.	30 July2012to till date	Teaching UG & PG students. Supervised UG, PG students on their research work. Academic Administration
S.C.T Institute of Technology, Bangalore–75	Lecturer	28th Feb.2010to 07 th July.2012	Teaching UG students.

PROFESSIONAL EXPERIENCE:

Teaching	**UG**	10Years.	**PG**	04year.
Research	5years.			

RESEARCH PUBLICATIONS AND PATENTS:

Journal Publications	International	National
	05	02
Total	07	

DETAILS OF SUBJECTS HANDLED:

UG Level	**PG** Level
➢ Mechanics of Material ➢ Design of Machine Elements-I ➢ Design of Machine Elements-II ➢ Finite Element Analysis ➢ Dynamics of Machines ➢ Kinematics of Machines ➢ Mechanical Vibration ➢ Mechatronics	➢ Advanced Machine Design ➢ Composite Materials ➢ Theory of Elasticity ➢ Theory of Plasticity ➢ Fracture Mechanics ➢ Advanced Mechanical Vibration ➢ Finite Element Analysis

SEMINAR/WORKSHOP/SHORT TERM COURSES ATTENDED:

Year	Title	Duration	Organization
2017	FDP on"Altair-HyperWorks".	05 Days	RR college of Engineering, Bangalore.
2018	AICTEFDP on"World-ClassNewProductDesign&Manufacturing".	2Weeks.	The Oxford College of Engineering, Bangalore.
2017	FDP on"KnowYour Intellectual Property Rights-Patent Awareness Workshop".	2days	The Oxford College of Engineering, Bangalore.
2017	National Conference on sustainable Engineering and Management.	2days	The Oxford College of Engineering, Bangalore.
2017	Workshop on HVAC Designing.	3days	The Oxford College of Engineering, Bangalore.
2019	National Conference on Science, Engineering and Management.	02days	The Oxford College of Engineering, Bangalore.
2019	"Recent Trends &Innovations in Mechanical Engineering".	03days	JSS College of Engineering and Technology. Bangalore.
2020	National Conference on Science, Engineering and Management.	02days	The Oxford College of Engineering, Bangalore.
2019	"FDP on Robotics & AI".	05days	Dayananda Sagar university Kudlu, Bangalore.

RESPONSIBILITIES AT COLLEGE LEVEL:

- Contributing to the intellectual life of the college by engaging in high quality core teaching.
- Contributing to the monitoring and enhancement of quality in teaching within the department.
- Actively seeking and pursuing training in teaching technology and practice.
- Teaching and examining undergraduate and master level students.
- Actively contributing to departmental teaching administration.
- Project/Technical Seminar/Internship Coordinator.
- FDP/Workshop/Technical Talk Coordinator.
- NBA/NAAC/LIC Coordinator.
- NCSCM Coordinator.
- V.T.U External **DCS.**
- Lab Incharge.
- Exam Coordinator.
- Mentor.
- Guided for UG **(20Batches)** and PG **(15Candidates)** students.
- Webinar Coordinator.

ACHIEVEMENTS:

- Successfully published papers in International Journals and National Conferences.
- Achieved100% result in Mechanical Vibrations, Finite Element Method, Operational Management, Mechatronics, Experimental Stress Analysis, Advanced Machine Design and Fracture Mechanics.
- Session chairperson in NCSCM-2019.
- Best project guidance in MiniProjectExhibition2018-2019.
- Projects selected in KSCST 2018,2021
- Session chairperson in NCSCM-2021.

LIST OF RESEARCH PAPERS PUBLISHED:

International Journals	
1	Vidyadhar Pujar, Srinivas H K, Madeva Nagaral, Processing and mechanical characterization of nano B_4C particulates reinforced Al2218 alloy composites, *International Journal of Advanced Mechanical Engineering*, Vol. 8, No. 1, pp. 117-126, 2018.
2	Vidyadhar Pujar, Srinivas H K, Madeva Nagaral and V Auradi, Mechanical behavior and fractography of Al2218 nano B_4C metal composites, *International Journal of Engineering and Advanced Technology,* 9, 4, 2020, pp. 2324-2328.
3	Vidyadhar Pujar, Srinivas H K, Madeva Nagaral, Combined effect of B_4C particles addition and artificial aging on Al2218 alloy composites, *International Research Journal of Modernization in Engineering Technology and Science,* 2, 12, 2020, pp. 50-56.
4	Vidyadhar Pujar, Srinivas H K, Sahdeva G N, MamunuriShailendra, MadevaNagaral, Microstructure and wear behavior of Al2218-B_4C nano composites, *PalArch's Journal of Archaeology of Egypth/Egyptology,* 17, 9, 2020, pp. 1032-1040.

NATIONAL CONFERENCE JOURNALS	
1	Vidyadhar Pujar, Srinivas H K, Improving in mechanical and tribological properties of Nano B_4C particulates reinforced Al2218 alloy composites, National Conference on Science, Engineering and Management (NCSEM – 2K19), The Oxford College of Engineering, Bengaluru, 15th and 16th July 2020
2	Vidyadhar Pujar, Srinivas H K, Microstructure and wear behavior of Al2218-B_4C composites, National Conference on Recent Advances in Mechanical Engineering and Materials (RAMEM – 2020), East Point College of Engineering and technology, Bengaluru, 11th and 12th December 2020.
3	Vidyadhar Pujar, Srinivas H K, "wear behavior of B4C particulates reinforced AL2218 alloy composites", National Conference on Science, Engineering and Management, The Oxford College of Engineering, Bangalore,8th&9thMay2019.
4	Vidyadhar Pujar, "Impact design of panel structures and estimation absorption by finite element analysis", National conference on sustainable engineering and management, The Oxford college of Engineering, Bengaluru, 26th&27thMay2017.

PERSONALPROFILE:

Date of Birth	28-04-1984
Sex	Male
Language Known	English, Kannada, Hindi
Marital Status	Married
Email Id & Mobile No	V8123340411@gmail.com & Ph-8123340411
Permanent Address	#15/A 7th cross M V Nagar Kapaggal Road Bellary-583101

Declaration:

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Date	22/9/2021
Place	Bangalore.

Signature

Resume

Dr.Vanajaroselin E.Chirchi

LMISTE, IEEE Member, CSI Member

Professor,

Department of Information Science and Engineering,
The Oxford college of Engineering,
Bangalore -560068. INDIA.
Mobile: +919028112394,+917020723914
Email: vr.chirchi@gmail.com
Website: http://www.theoxford.edu/engineering/

h-index: 6
i10 index:3
RG h-index:5
Researcher ID: https://orcid.org/0000-0002-2770-0619
Google Scholar Citation:
https://scholar.google.co.in/citations?user=b4cjr6MAAAAJ&hl=en
Publons: https://publons.com/researcher/3362079/

Working as Professor in The Oxford College of Engineering(TOCE), Bangalore with 24 years of teaching and research experience

OBJECTIVE

To motivate students for innovative research and technology.
To build students career in the world of IT and Computer through teaching skills

PROFESSIONAL LINKS AND SCORES

***h*-index: 6**
i10 index:3
RG h-index:5
ORCID ID: https://orcid.org/0000-0002-2770-0619
Google Scholar Citation: https://scholar.google.co.in/citations?user=b4cjr6MAAAAJ&hl=en
Publons: https://publons.com/researcher/3362079/
Scopus ID: 57194205181
Researcher Id: ACJ-6326-2022

SKILLS

Computers:

Programming Languages:	C, VB.Net, ASP. Net, COBOL, FORTRAN, C++, Java, OpenGL,Java
EM Simulation Tools:	Mat lab,NS2,NETSim11
Other Softwares:	Visual Studios2010,FrontPage Editor, Coffee cup Editor, Dream weaver, 3-D Animator

Administrative work Experience:

- Worked as In-Charge Dean for Post Graduation Department
- Worked as In-Charge HOD of CSE Department

Others:

- Strong in communication skill
- Efficiently completes the assigned work

- Strong in conceptual Design.
- Guiding and Motivating Students for developing projects.
- Network and Information systems Security.
- Capable of Innovating and Hardworking for task assigned.

UGC/UNIVERSITY APPROVAL

- Post Graduate Teacher Approval in the subject of Computer Science and Engg. Under Faculty of Engg. & Technology as per ordinance 167(A), BAM, University, Aurangabad, October 2014, Order copy **Ref.No. PG/Ph.D/2014/9705-06**
- UGC Approval as Assistant Professor in Computer Science and Engineering, March 2010, with **Ref.No. ACAD/AFFIL/PGT/2010/450-75.**
- UGC Approval as Lecturer in Computer Science and Engineering, February 2003, with **Ref.No. ACAD/COLL-CHANGE/PGT/2002-2003/24797-99.**

RESEARCH INTERESTS

- IoT and AIoT
- Artificial Intelligence
- Machine Learning
- Network and Cyber Security.
- Pattern Recognition.
- Image processing.
- Computer Networking.
- Biometrics security systems.

WORK EXPRIENCE

- Working as Professor in Information Science and Engineering Department, The Oxford College of Engineering, Bangalore, From 27th April 2021 – till date.
- Worked as Associate Professor, CSE Department, AMC Engineering College, Bangalore, from 20/02/2021 to 26th April 2021.
- Worked as an Associate Professor at PG Department, College of Engineering Ambajogai, from 1/7/2016 to 15/02/2021.
- Worked as an Assistant Professor at PG Department, College of Engineering Ambajogai, from 3/7/2010 to 30/6/2016.
- Worked as an Assistant Professor at UG, CSE Department, College of Engineering Ambajogai, from July 2007 to 2010.
- Worked as a Lecturer, College of Engineering Ambajogai, from July 2002 to July 2007.
- Worked as a Lecturer, Brindavan College of engineering, Bangalore, from June 2001 to July 2002.
- Worked as a lecturer, Guru Nanak Dev Engineering college, from Dec 1998 to may 2001

PROJECTS GUIDED

- UG :100
- PG : 25 completed

SUBJECTS TAUGHT

- Artificial Intelligence and Machine Learning
- Application Development using python
- Operating System
- Simulation and System Modeling
- Advanced computer network
- Advance Operating system
- Unix network Programming
- Information and network security

- Network Routing algorithm.
- Network Security
- Computer Networks
- Multimedia Systems
- 'C' Language
- Software Engineering
- ASP.net
- Professional ethics and Cyber laws
- Principles of Compiler Design
- Computer Graphics
- Computer organization

EDUCATIONAL DETAILS

- **Ph.D. in Computer Science and Engineering,** Nov 2018, from JNTUH, Hyderabad.
- **Master of Technology in Computer Science and Engineering,** Sep 2006, from AAID University, Allahabad. Result: 86.23%. (First Class with Honors)
- **Bachelor of Engineering in Computer Science and Engineering**, December 1998,from Guru Nanak Dev Engineering, College, Bidar. Gulbarga University Gulbarga. Result: 65.69%(First Class)
- **PUC (12th)** May/June 1994,P. U. Board Bangalore, Karnataka, Result: 59.67% (Second Class)
- **SSLC**, April 1992,S S C Board Bangalore, Karnataka, Result: 68.83% (First Class)

ACHIEVEMENTS/RECOGNITION

- Panelist in Panel Discussion on "Role of Teachers in Holistic Development of students"
- CSI chapter Coordinator and Student Branch Counselor(SBC)
- **CSI Member(F8004434)**
- **IEEE member (90823870)**
- **Life Member of ISTE.**
- Working as Reviewer for Elsevier- Journal of Network Computer Application(JNCA)
- Working as Reviewer for VTU IJESM
- Working as Book Chapter Reviewer for IGI Global
- Question Paper Setter for M.E.(CNE and CS&IT) BAM, University, Aurangabad.
- Developed and Maintaining College Of Engineering Website http://coea.ac.in
- Website Incharge(https://coea.ac.in)
- Chairman, ME (CNE), BAM, University, Aurangabad.
- Branch Counselor for IEEE Student Chapter
- Appointed as Member of Seating Squad for Dr. B. A. M. University, Aurangabad May/June Exam 2018.
- Appointed as Member of Seating Squad for Dr. B. A. M. University, Aurangabad May/June Exam 2017.
- Appointed as Member of Vigilance Squad for Dr. B. A. M. University, Aurangabad Oct/Nov Exam 2016.
- Invited as Subject Expert for MS Bidve Engineering College Latur for post of Lecturer appointment, 2012 and 2013.
- Invited Judge for National Level Technical Symposium – SHASTRATRTH-2013, at M.S.Bidve Engineering College, Latur
- Appointed as Member of Vigilance Squad for Dr. B. A. M. University, Aurangabad May/June Exam 2011.
- Appointed as Subject expert for UGC Approval Interview at Naganathappa Halge College of Engineering Parali Dist: Beed, Oct/Nov 2008.
- Worked as Co-ordinator of ISTE Student Chapter.

SEMINARS / WORKSHOPS / CONFERENCE ORGANIZED

- Organized Faculty Development program(FDP) on Advancements in Artificial Intelligence and Machine Learning(ML) scheduled from 12 July 21 to 17 July 21

- Organized TEQIP-3 Sponsored FDP on Software Architecture in association with DBATU, Lonere, 13 April-17 April 2018.
- Conducted Seminar on Basics of Computer Network at T.B.Girwalkar Polytechnic, Ambajogai, March 2015
- Conducted Seminar on Computer Security at T.B.Girwalkar Polytechnic, Ambajogai, Feb 2015
- Organized NS2 workshop for Post Graduation Students, 8th and 9th April 2014
- Coordinator, State Level Technical Symposium Arghya2009, conducted in Mar 2009

STTP/ SEMINARS / WORKSHOPS / CONFERENCE/WEBINAR ATTENDED

- ATAL FDP on "Quantum Computing for Real world Applications" from 17/01/2022 to 21/01/2022 Vishwakarma Institute of Technology Pune.
- ATAL FDP on "Machine Learning Applications for Autonomous Driving" from 24/01/22 to 28/01/2022 at KLE Technology University.
- AICTE UHV-1 on "Inculcating Universal Human Values in Technical Education" from 11-April-22 to 15th April 2022.
- Webinar on Sustainable development through values and ethics integrated technical education" on 3rd August 2021,organized by Department of Electronics and Communication Engineering, MIT Mysore, Karnataka.
- Faculty Development Program on "Advancements in Artificial Intelligence and Machine Learning", organized by Department of Information Science and Engineering, The Oxford college of Engineering Bangalore, from 12th July to 17th July 2021.
- Faculty Development Program on "Recent trends on PHOTONICS", organized by Department of Electronics and Communication Engineering, The Oxford college of Engineering Bangalore, from 14th June to 19th June 2021.
- Webinar on "NAAC Accreditation " organized by Department of Civil engineering, Shreeyash College of Engineering and Technology, Aurangabad, Maharashtra on 10th June 2021.
- Webinar on "An Insight to Blockchain Technology " organized by Department of Civil engineering, Shreeyash College of Engineering and Technology, Aurangabad, Maharashtra on 2nd June 2021.
- AICTE-MARGDARSHAN, One Week Virtual Faculty Development Program on "Outcome Based Education and NBA Accreditation for TIER-II Colleges", organized by SRKR Engineering College from 29th March to 3rd April 2021.
- AICTE sponsored one week STTP on Artificial Intelligence and Machine Learning from 22nd march to 27th March , AMC Engineering College, Bangalore.
- Webinar on "Cloud Development Practices" organized by CSE Department, Bangalore Technological Institute. On 25th July 2020
- IEEE & ACM FDP on Recent Trends and innovations in Digital forensic at AISSMS Institute of Information Technology Pune from 25th May to 30th May 2020.
- ISTE Workshop on MatLab/Simulink Programming and its Real Time Applications at MBES College of Engineering, Ambajogai.13-17 July 2015
- ISTE approved STTP on Advances in Digital Signal Processing at College of Engineering Ambajogai conducted in July 2006
- Two day Workshop on Artificial Neural Network and its Application conducted in September 2003.

ADMINISTRATIVE / ACADEMIC ACTIVITIES

- Chairman, ME(CNE),BAM, University, Aurangabad

- Question Paper Setter of Dr Babasaheb Ambedkar Marathwada University Aurangabad (BAMU) and Dr. Babasaheb Ambedkar Technological University(DBATU),Lonere
- Coordinator/Member for ISTE
- In-charge for creating and designing college of Engineering Website: http://coea.ac.in

POST PH.D PUBLICATION

1. Dr.Vanajaroselin Chirchi, Ms.Mayuri Kulkarni,"Data Storage on cloud using key-Aggregate Cryptography Elliptic Curves", Strad Research, Vol-9 Issue 4 2022 https://doi.org/10.37896/sr9.4/017.

2. Dr.Vanajaroselin E.C., Dheeraj D. Umardand,"Wireless sensor technology is used for Mobile Sink-Based self adaptive and Energy Efficient Proactive Data Collection Protocol for Network", International Journal of Engineering Research and Applications(IJERA),ISSN:2248-9622,Vol.12,Issue 9,Semptember 2022,pp.51-60 DOI: 10.9790/9622-12095160

3. Dr.Vanajaroselin E.C,"Scanning Method for Segmentation in Iris Biometric Authentication for security systems", GIS Science Journal –UGC-CARE-Group-II Journal, Vol.9 Issue 2,Impact factor 6.1, Feb 2022.

4. Dr.Vanajaroselin E. Chirchi "An approach for iris biometric system for the person identification" published in STRAD Research UGC CARE Group-2 and Web of Science Indexed Journal Volume 8 Issue 9 https://doi.org/10.37896/sr8.9/062 September 2021.

5. Dr.Vanajaroselin E.Chirchi "Authentication and recognition using iris biometric systems", Published in IJMER Scopus Index Journal with Scopus Review ID: A2B96D3ACF3FEA2A volume 10, issue8 (5), August 2021 **DOI:** http://ijmer.in.doi./2021/10.08.98

6. Dalwale Najmin V., Dr. V.E. Chirchi, "Recommendation system for potential users with Depression using Sentiment Analysis", IJRAR, (E-ISSN 2348-1269, P- ISSN 2349-5138) , Volume 7, Issue 3 , August 2020.

7. **Kokate Manisha** and **Dr.V.R.Chirchi** "Fraud Detection And Frequent Pattern Matching Pattern Matching in Insurance Claims Using Data Mining Techniques" IJRARInternational Journal Of Research And Analytical Review, July 2020

8. Anjali Kamble and Dr. V. E. Chirchi "Rating Prediction based on Social Sentiment from Textual Reviews", IJRAR (E-ISSN 2348-1269, P- ISSN 2349-5138), Volume 7, Issue 3 , July 2020.

9. Anjali Kamble and Dr. V. E. Chirchi , "Rating Prediction System From Textual Review", IJCRT, ISSN: 2320-2882,Volume 8, Issue 7 July 2020

10. Sujatha V.Randad, V.R.Chirchi,"Application aware Local-Global Source Deduplication for Cloud backup services of personal storage using ALG-Dedup Algorithm", International Journal of Emerging Technologies and Innovative Research(JETIR) 2019.

11. Aarti Ramdas Aakulwad, Dr.V.E.Chirchi" Facial Emotion Recognition in Video using CNN", International Journal of Emerging Technologies and Innovative Research (JETIR) Vol.6, 2019.

12. Vidhya S. Jadhav, Dr.V.E.Chirchi," Continuous visual authentication using secure keystrokes-based password protocol system", Volume 7,Impact factor 5.75, 2019.

BOOK CHAPTER PUBLICATION

1. Big Data Processing in Internet of Things(IoT) Systems, Dr.Nirmala S and Dr.Vanajaroselin E C for the Book Internet of Everything: Smart Sensing Technologies, NOVA Science Publishers.

PATENTs

1. Patent No.20221001148 A, "Soil Classification for Planting and Monitoring Using FCNN-based IoT Smart Agriculture Systems", 2022
2. Filed Patent Design grant "Automatic pesticide spraying robot", Sep 2022

JOURNAL/CONFERENCE PUBLICATIONS

1. Vanaja Roselin.E.Chirchi, Dr.L.M.Waghmare, "Enhanced isocentric and wavelet rectangular coder to iris segmentation and recognition", Publication in International Journal of Intelligent Engineering and Systems(INASS) Scopus Index, ISSN 2185-3118, Vol 9, No. 3, August 2016.

2. Vanaja Roselin.E.chirchi, Dr.L.M.Waghmare," Wavelength Rectangular Coder(WRC) Algorithm used for feature Extraction for iris person identification", Publication in International Journal of science and advance research and technology(IJSART), Volume 2,Issue 12, December 2016.

3. Vanaja Roselin.E.chirchi, Dr.L.M.Waghmare," Wavelength Rectangular Coder Algorithm used for feature Extraction for iris person identification", Accepted for publication in International Journal of Modern Engineering Research (IJMER), December 2016.

4. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Iris Biometric authentication for security systems**", IJIGSP-ID No.: Paper 320, Publication in International Journal of Image, Graphics and signal Processing(IJIGSP) Mecs Publishers , ISSN 2074-9074(Print), ISSN: 2074-9082 (Online) DOI: 10.5815/ijigsp.2014.09.07, Volume 6, Number 9,pp.54-60, **Aug 2014**.

5. Vanaja Roselin Chirchi, Dr.L.M.Waghmare,"**Enhancing Iris Texture Analysis for biometric Security Systems**", Paper reference id-480, publication proceeding of Elsevier-" International Conference on Recent Trends in Engineering and Technology", **28-30 March,2014.**

6. Vanaja Roselin.E.C, Dr. L.M.Waghmare,**"Iris Texture Analysis for Iris biometric Security Systems**" (Article ID: 27703101), Accepted for publication in Recent Science- International Journal of Advanced Computing (IJCA), **Jan 2014.**

7. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Enhanced Pupil detection and Feature extraction algorithm for fast and accurate person identification using Iris pattern"**, Accepted for publication in CSC journals- **International Journal of Biometrics and Bioinformatics (IJBB) ISSN-1985-2347(Online), Volume 7, Issue 2,** Manuscript code-IJBB-219, 24 **Oct 2013.**

8. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Matrix co-efficient cA, cD, cH, cV decomposed up to five levels for feature extraction to achieve accuracy"**, Accepted for publication in CSC journals- International journal of Image Processing (**IJIP**), ISSN(Online):1985-2304, Manuscript code-IJIP-811, volume-7, issue-4, 23 **Oct 2013**.

9. Vanaja Roselin.E.C, Dr.L.M.Waghmare,"**Feature Extraction and Pupil Detection Algorithm used for Iris Biometric Authentication System**", publication in **SERSC**-International Journal of Signal Processing and Pattern Recognition**(IJSIP)**, ISSN 2005-4254 , Vol.6, No.6 (2013), pp.141-160,doi:http://dx.doi.org/10.14257/ijsip.2013.6.6.14, **Oct 2013**.

10. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Iris biometric used for security systems", EJSR** I A 8368, Accepted for publication in European Journal of Scientific Research (**EJSR**), ISSN 1450-216X/1450-202X, Vol 105, No 1, **July 2013**.

11. Vanaja Roselin.E.C, Dr.L.M.Waghmare," **Pupil detection and feature extraction algorithm for Iris recognition", AMO**-Advanced Modeling and Optimization, ISSN: 1841-4311, Volume 15, **Number 2, pp**. 409-420, **2013.**

12. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Efficient algorithm for Pupil detection and feature extraction using Iris pattern", Paper id- IWCDM#266,** Accepted for publication in International Workshop on Cloud Data Mining (**IWCDM-2013**) in Cooperation with IEEE TrustCom 2013, Melbourne, Australia, **16-18 July 2013.**

13. Vanaja Roselin.E.C, Dr.L.M.Waghmare," **Iris textural analysis for security systems**", paper reference ID pxc3885507, International Journal of Computer Application (**IJCA**), volume 64, No. 22, ISSN: 0975-8887,doi>10.5120/10779-5507, 37-44, **February 2013**.

14. Vanaja Roselin.E.C, Dr. L.M.Waghmare, "**Statistical textural analysis for iris pattern**", Accepted for publication in International Journal of Emerging Technology and Advanced Engineering **(IJETAE**), ISSN: 2250-2459, Volume2, Issue11, **November 2012.**

15. Vanaja Roselin.E.C, Dr. L.M.Waghmare, "**Iris recognition using enhanced method for pupil detection and feature extraction for security system**", publication in International Journal of Computer science and Network security (**IJCSNS**), ISSN: 1738-7906, Vol.13, Issue 11, **November 2012** , p55-62. 8p.

16. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Biometric Iris pattern recognition for security system**", Accepted for publication in International Journal of Computer Science Issues (**IJCSI**), ISSN: 1694-0814, Volume 9, Issue 6, **November 2012.**

17. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Iris Biometric Recognition for person identification in security system**", publication in International Journal for Computer Application (**IJCA**), paper reference id pxc3874002,VOL.24, No.9, and ISSN: 0975-8887,DOI: 10.5120/2986-4002, 1-6, **June 2011**.

18. VanajaRoselin.E.C, Dr.L.M.Waghmare, "**Enhancement of Person Identification Using Iris Pattern**", Publication in International Journal of Scientific & Engineering Research (**IJSER**), Volume 2, Issue 4, ISSN 2229-5518, **April-2011.**

19. Vanaja Roselin.E.C, Dr.L.M.Waghmare," **Enhancing Person identification using Iris pattern**", Accepted for publication in International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (**IJETA ETS**) ISSN: 0974-3588, **April 2010.**

20. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Biometric Identification using Iris Pattern**", **National Level Conference** on Emerging trends in Computer and Information Technology, J. T. Mahajan College of Engineering, Faizpur on **March 4 & 5, 2010**.

21. Vanaja Roselin.E.C, Dr.L.M.Waghmare, "**Enhancing person identification using Iris Patterns**",**IEEE International conference** on Science, Engineering& Spirituality(ICSES),S.E.S.College of engineering, Navalnagar, Dhule,(MS), **April 2010.**

22. VanajaRoselin.E.C, Dr.L.M.Waghmare, "**Efficient methodology for person identification using Iris Patterns**", **IEEE International conference** on Electronics Design and Signal Processing(ICEDSP), paper ID 237, MIT Manipal, India, **Dec 2009**.

STUDENTS PUBLICATIONS (M.TECH.)

- **42 Publications in International Journals**

OTHER INFORMATION

Date of birth:	20-11-1975
Sex:	Female
Marital Status:	Married
Professional Memberships:	IEEE, MISTE
Place :	Bangalore.
Date :	09/03/2023

Dr.Vanajaroselin E.Chirchi
Signature

CURRICULUM VITAE

Dr. E. SARAVANA KUMAR

Designation : Professor
Contact Details **:** Dept. Computer Science & Engineering,
The Oxford College of Engineering, Bangalore- 560 068
Email : saraninfo@gmail.com
Mobile : +919894634885

ACADEMIC QUALIFICATIONS

Doctor of Philosophy (Ph.D) in Faculty of Information & Communication Engineering

- Thesis Title : A Trust Based Hybrid Ant Colony Optimized Grid Scheduling
- Area of Research : Grid Computing and Resource Scheduling
- Duration : 2009-2015
- University : Anna University, Chennai.

Master of Engineering (M.E) in Computer Science and Engineering

- University : Annamalai University, Chidambaram
- Duration : 2003-2005
- Percentage : 7.75 (GPA out of 10)

Bachelor of Engineering (B.E) in Electronics and Communication Engineering

- University : Bharathiar University, Coimbatore
- Duration : 1996-2000
- Percentage : 62%

Research ID

Orcid : 0000-0003-4839-9025
Scopus Author ID : 55761372000
ResearcherID : J-3298-2019
SciProfiles : 1922344
Scopus Author ID : 57220895552
Vidwan ID : 186389

PROFESSIONAL EXPERIENCE

TEACHING EXPERIENCE

Institution	Affiliation	Duration	
		From	To
The Oxford College of Engineering, Bangalore	Professor	2018	Till Date
Adhiyamaan College of Engineering, (Autonomous), Hosur	Associate Professor	2015	2018
Adhiyamaan College of Engineering, Hosur	Assistant Professor	2005	2015

INDUSTRY EXPERIENCE

Industry	Affiliation	Duration	
		From	To
Infonet Computer Services, Erode	Service and Networking Engineer	2000	2002

SUPERVISOR RECOGNITION

- Visvesvaraya Technological University. Reference Number: VTU07186242
- Anna University-Chennai. Reference Number: 3140050

FUNDED PROJECTS

- "Cloud-Based Automatic Street Lighting system in Attibele Industrial Area and Rural Area" worth of Rs. 500000/-, by "Vision Group on Science and Technology" Department of IT, BT and S & T Government of Karnataka – (2018-2019), Research Grants for Scientist / Faculty (RGS/F)
- "Skill and Personality Development Programme for SC/ST Students", worth Rs. 22,98,824/- by AICTE-SPDP Scheme, (2017-2020)

Ph.D. Students Guiding

Name of the Scholar	Name of the University	Research Area	Status of the Research
Ms. Ajil A	Visvesvaraya Technological University- Karnataka	Cloud Load Balancing	Course Work Completed
Mr. Ramkumar	Visvesvaraya Technological University- Karnataka	Smart Healthcare	Course Work Completed
Mr Naveen H S	Visvesvaraya Technological University- Karnataka	Smart Agriculture	Professionally Selected
Ms Asha Kumari	Visvesvaraya Technological University- Karnataka	Edge Computing	Professionally Selected
Ms Sheela Devi	Visvesvaraya Technological University- Karnataka	Vehicular Ad hoc Networks	Professionally Selected

PROGRAMMING SKILLS

- Operating Systems : Windows X, UNIX, Linux
- Programming Languages : C,C++,JAVA,MATLAB
- RDBMS : Oracle 9i.
- Open Source : MySql, PHP, Perl, Python, R
- Simulators : Gridsim, Simgrid,NS2, OPNET
- Middleware : Globus 4.0.

SUBJECTS HANDLED

- Internet of Things
- Python Programming
- Unix Programming
- Machine Learning
- Cloud Computing
- Data Base Management Systems.
- Data Structures
- Operating Systems
- Software Engineering
- Software Testing
- Computer Architecture
- Fundamentals of Computing and C Programming
- Grid Computing
- Object Oriented Analysis and Design
- Storage Area Network
- Big Data
- Open Source Tools
- Scripting Languages

PROJECTS GUIDED

- **B.E. Projects : 75**
- **M.E. Projects : 30**

MEMBERSHIP DETAILS

- Life Member in "The Indian Society for Technical Education",(ISTE) LM 61440-2009, India
- Member in IEEE #96247031
- Member in "The Institution of Engineers (India)", IE(I) M – 145942-7, India
- Member in "International Association of Engineers", (IAEng): 139838, Hongkong
- Fellow Member in "Universal Association of Computer and Electronic Engineers" (UACEE) - SM101000601360, Australia
- Member in "International Computer Science and Engineering Society", (ICSES), #4485, America

RESEARCH INTERESTS

- Internet of Things
- Cloud Computing
- Machine Learning
- Image Processing
- Grid Computing
- Data Mining
- Bioinformatics

ADMINISTRATIVE EXPERIENCES

- Institute Innovation Ambassador
- Institute Innovation Council Member
- Board of Studies Member – Christ Deemed to be University - Bengaluru
- Board of Examination (BoE) – VTU
- Board of Examination (BoE) – New horizon College of Engineering - Bengaluru
- NBA Program coordinator
- NAAC Core team member
- Board of Studies Member (BoS)- Internal, Adhiyamaan College of Engineering
- Project Coordinator for IV Year B.E (CSE) Students.
- Project Coordinator for Final Year M.E (CSE) Students.
- Coordinator for National Level Technical Symposium.
- Coordinator for National Level Conference.
- Chairperson for many National Conferences & Technical Symposiums.
- Core team member - EMC2 Storage Foundation Programme.
- Core team member - Infosys Campus Connect Programme.
- ISO Internal Auditor
- Laboratory In-charge

TRAINING PROGRAM ATTENDED

- Successfully participated in IP Awareness/Training program, on February 21,2022, Intellectual Property Office, India

- Participated in the IIC regional meet, by MoE's Innovation Cell, Institutions Innovation Council held on 16th Aug 2022 at REVA University, Bengaluru

- Has undergone Innovation Ambassador (IA) training "Advanced Level" (Total 15 sessions of 30 contact hours) conducted in online mode by MoE's innovation Cell & AICTE during the IIC calendar year 2021-2022.

- Has undergone Innovation Ambassador (IA) training "Foundation Level" (Total 15 sessions of 30 contact hours) conducted in online mode by MoE's innovation Cell & AICTE during the IIC calendar year 2021-2022.

WORKSHOP / STTP ATTENDED

- Participated one week AICTE-VTU online Joint Teachers Training Program on "Introduction to Cyber Security", from 22nd to 26th May 2023 organized by Visvesvaraya Technological University- Centre for Post-Graduation Studies, VIAT, Muddenahalli, Karnataka.

- Participated one week AICTE-VTU online Joint Teachers Training Program on "Introduction to Internet of Things", from 17th to 21st April 2023 organized by Visvesvaraya Technological University- Centre for Post-Graduation Studies, VIAT, Muddenahalli, Karnataka.

- Participated one week online Faculty Development Program on "Taking Research to Next Level", from 26th to 30th September 2022 organized by Department of Mechanical Engineering & Department of Basic Science , in Association with IQAC, ISNT and IIC Cell, Sri Venkateshwara College of Engineering, Bengaluru.

- Participated in 3 days online FDP on Artificial Intelligence and Machine Learning, SJC Institute of Technology held during September 20-22, 2021
- Attended 2 days FDP on NEP 2020, during 19th to 20th November 2021, at KLS Gogte Inst. of Technology in association with VTU Belgavi
- Participated in 5 days online FDP on Recent advances in soft computing for optimizing Industrial process, during 27th September to 2nd October 2021, at Annamalai University.
- Participated in 5 Days online FDP on Examination Reforms, during 15th February to 19th February 2021, at National Institute of Technology Mizoram.
- Participated in 6 Days FDP on Application of Artificial Intelligence Technique in Overcoming the Challenges of Healthcare Industry, during 04.01.2021 to 09.01.2021, at Knowledge Institute of Technology – Salem
- Participated in 6 Days FDP on Data Science Technologies, during 7th Dec - 12 Dec 2020, at Paavai Engineering College – Namakal
- Participated in 21 Days online FDP on Adopting to Online Teaching Learning Technologies, during 16 Nov to 07 Dec 2020, at Dr B R Ambedkar University Srikakulum
- Participated in 5 Days online FDP on IOT AND CLOUD APPLICATIONS, during July 06th – July 10th, 2020, at DAYANANDA SAGAR ACADEMY OF

TECHNOLOGY AND MANAGEMENT - Bengaluru

- Participated in 5 Days online FDP on Current Trends in Machine Learning with Python – A Hands-on Approach, during 06th – 10th July 2020, at Dayananda Sagar University - Bengaluru
- Participated in 6 days online FDP on EMERGING TRENDS IN WIRELESS SENSOR NETWORKS & APPLICATIONS, during 14th to 19th September, 2020, at MALLA REDDY ENGINEERING COLLEGE FOR WOMEN – Secunderabad.
- Participated in 5 Days online FDP on Unleash Your Research Potential, 24th to 26th June 2020, Adhiyamaan College of Engineering - Hosur
- Participated in 5 Days FDP on Research Trends and Challenges In Computer Science, during 13-07-2020 to 17-07-2020, at Vidyavardhaka College Of Engineering, Mysuru
- Participated in 3 days FDP on PhP and MySQl, Smt.Kashibai Navale College of Engineering, Pune during 24th April to 30th April - 2020
- Five Day Faculty Development Programme on "Research Trends and Challenges in Computer Science" held at Vidyavardhaka College of Engineering, Mysuru from 13-07-2020 to 17-07-2020
- Five-Days Online Faculty Development Programme on Current Trends in Machine Learning with Python – A Hands-on Approach, held from 06th – 10th July 2020, organized by the Department of Computer Science & Engineering, School of Engineering, Dayananda Sagar University, Bengaluru
- Five Day Faculty Development Program on "IOT and Cloud Applications" at Dayananda Sagar Academy of Technology and Management, Bangalore-560082, held from July 06th – July 10th, 2020
- Attended the Workshop on "Business Intelligence" held during 7th April 2004 conducted by Annamalai University.
- Attended the Workshop on "Recent Trends in Wireless Technologies" held during 19th Aug. 2006 conducted by ACE, Hosur
- Attended the Workshop on "Advanced Image Processing & Data Mining Applications (AIPDMA)" held during 19th August 2006 by Adhiyamaan College of Engineering, Hosur.
- Organized the IBM sponsored Faculty Development Workshop on "Web development using IBM & Open Source Tools" during 29th-30th Aug. 2007.
- Attended the Work shop conducted by IBM, Bangalore during 13-14 Aug, 2009.
- Attended the Work shop conducted by PSG Tech, Coimbatore. "Grid and Cloud Computing during 13-14 Jan, 2011

- Attended the Workshop conducted by Adhiyamaan College of Engineering, Hosur."Web Services". During March 10 2014.
- Attended workshop on "Python – Practical Approach", Conducted by The Oxford College of Engineering, Bengaluru, during 01st & 2nd April 2019, in association with Palle Technologies.

NPTEL Courses

- Successfully completed the NPTEL - AICTE Faculty Development Programme on Introduction to Research, Duration: 8 Weeks, Roll No: NPTEL23GE05S44020105
- Successfully completed the Online NPTEL Course on "Introduction to Research" with the consolidated score of 66% with Elite certification, duration 8 Weeks (February – April 2023) organized by IIT - Madras

FDP ATTENDED

- Successfully participated in IP Awareness/Training program , on June 09, 2023, Intellectual Property Office, India
- Successfully participated in IP Awareness/Training program , on February 21,2022, Intellectual Property Office, India
- Attended the FDP on "Research & Consultancy" held during 21st & 22nd Oct. 2005 conducted by Adhiyamaan College of Engineering, Hosur
- Attended the Anna University sponsored FDP on "Computer Architecture" held during 21st – 26th Nov. 2005 conducted by Sona College of Technology, Salem
- Attended the Faculty Enablement Program (FEP) conducted by EMC^2, Madurai during 6 June, 2008.
- Attended the Faculty Enablement Program (FEP) conducted by Wipro, Mission 10 x " High Impact Teaching Skills, Bangalore during 22-26 Aug, 2009.
- Attended the Faculty Development Program (FDP) on Research Directions on GT-4 conducted by SSN Engg College Chennai, during 19-22 Sep, 2009
- Attended the Faculty Development Program (FDP) on Java,J2EE,SQL conducted by Cognizant Technology Solutions, Bangalore during 19-22 July, 2010
- Attended the Infosys Faculty Enablement Program on Foundation Program 4.1 – Python & RDBMS" conducted by Infosys at Paavai Engineering College, Namakal during 3rd to 7th July 2017.
- Attended the AICTE Sponsored Seminar on "Advances in Networking andCommunication" during 18th - 20th Oct. 2006 conducted by Manakula Vinayagar, Puduchery.

JOURNAL PUBLICATION DETAILS

- Ajil, A., & Kumar, E.S. (2023). A Comprehensive Study of LB Technique in Cloud Infrastructure. SN Computer Science, 4(2),
- Saravana Kumar, E., Ramkumar, P., Naveen, H.S., Ramamoorthy, R., & Naidu, R.C.A. (2023). Classification of COVID-19 with Belief Functions and Deep Neural Network. SN Computer Science, 4(2)
- Ramamoorthy, R., Saravana Kumar, E., Naidu, R.C.A., & Shruthi, K. (2023). Reliable and Accurate Plant Leaf Disease Detection with Treatment Suggestions Using Enhanced Deep Learning Techniques. SN Computer Science, 4(2), sp(158), vol.4(2)
- NSN Mohammad Kamrul Hsan, Samar Kamil, Muhammad Shafiq,Yuvaraj S,E. Saravan Kumar, (2021) "An improved watermarking algorithm for robustness and imperceptibility o data protection in the perception layer of internet of things", Pattern Recognition Letters 152 283-294, https://doi.org/10.1016/j.patrec.2021.10.032 SCI: Q1
- E Saravana Kumar, S Kesavan, R Ch A Naidu(2021)"Comprehensive analysis of cloud-based databases" IOP Conference Series: Materials Science and Engineering 1131 (1), 012021
- DR. E SARAVANA KUMAR AND K.VENGATESAN SEEMA PATIL, SHOBHA T, DR R CH. A. NAIDU, (2021) "Review On Side-Effects Of Covid-19 In The Growth O Neurologic Diseases", Turkish Journal of Physiotherapy and Rehabilitation 32 (2), 1285-1288
- DR. E SARAVANA KUMAR AND K.VENGATESAN SHOBHA T, SEEMA PATIL, DR R CH. A. NAIDU, (2021), "PULMONOLOGICAL DISORDERS CAUSED DUE TO COVID-19 PANDEMIC", Turkish Journal of Physiotherapy and Rehabilitation 32 (2), 1280 1284
- Dinesh Kumar Anguraj, S. Balasubramaniyan, E. Saravana Kumar, J. Vakula Rani, M. Ashwin(2021) , Internet of things (IoT)-based unmanned intelligent street light using renewable energy, International Journal of Intelligent Unmanned Systems, ISSN: 2049-6427 https://doi.org/10.1108/IJIUS-10-2020-0060
- E Saravana Kumar, Kishan Shetty, Kiran Saravana, Vikas Vinugna M K, A Santhosh Naidu “Delineation of connected buses and smart bus shelter by employing IoT and Machin Learning (2020)”, Fourth International Conference on I-SMAC (IoT in Social, Mobile Analytics and Cloud) (I-SMAC)
- A KUMAR K VENGATESAN, E SARAVANA KUMAR, S YUVARAJ, PS TANESH

(2020),"An approach for remove missing values in numerical and categorical values using two way table marginal joint probability" International Journal of Advanced Science and Technology, vol. 29(5),2745-2756 [Scopus Index]

- Selvaraj Kesavan Saravana Kumar E, Abhishek Kumar Venkatesan K (2019),"An Investigation on adaptive HTTP media streaming Quality-of Experience (QoE) and agility using cloud media services ", "International Journal of Computer and Applications". [Scopu Index]
- Saravana Kumar E, Vengatesan K (2018), "Trust Based Resource Selection with Optimization Technique", "Cluster Computing". 22, pages207–213(2019) [Scopus Index][SCIE] I.F: 2.040
- Saravana Kumar E, Vengatesan K, Singh RP, Rajan C (2017), "Biclustering of Gene Expression data using Biclustering Iterative Signature Algorithm and Biclustering Coheren Column" Accepted for publication in "International Journal of Biomedical Engineering and Technology" Inderscience Publisher.[Scopus Index]
- Saravana Kumar, E, Madhusudhanan B, Xiao-Zhi Gao (2016) "A Framework For Automated Content Based Medical Image Queries In Grid, Intelligent automationand So Computing", Volume : 23, Issue: 2, p.p: 337-343, DOI: 10.1080/10798587.2016.1231474, I.F [0.644] Taylor & Francis [SCIE]
- Sowmi T & Saravana Kumar, E (2016), " Image Mining: Similarity Search Based On Genetic Optimization Algorithm for Large Scale Database" IJSDR, Volume 1 Issue 3, pp. 107- 112
- Sowmi, T & Saravana Kumar, E (2016) "Image Retrieval Based on Similarity Search Using th Combination of Fisher Criterion Based Genetic Algorithm", Middle-East Journal of Scientific Research 24 (Techniques and Algorithms in Emerging Technologies): 309- 317 DOI:10.5829/idosi.mejsr.2016.24.TAET23543
- Menaka, D & Saravana Kumar, E (2016), "A Survey on Extracting Opinion Word and Opinion Target using Simulated Annealing", South Asian Journal of Engineering and Technology Vol.2 No.21 223–231.
- Sowmi, T & Saravana Kumar, E (2015), "A Survey on Similarity Search for Large Scale Database", IJARCCE, Vol. 4, No. 9, pp. 99-104.
- Menaka, D & Saravana Kumar, E (2015), "A Survey on Opinion Mining for Extraction of Opinion Word and Opinion Target", IJARCCE, Volume 4, Issue 9, pp 421-424.
- Saravana Kumar, E, Sumathi, A, & Zubar, H A (2015), "A Hybrid Ant Colony Optimization

Algorithm for Job Scheduling In Computational Grids", Journal of Scientific and Industrial Research (JSIR), vol. 74, no. 7, pp. 377-380. [National Journal][Scopus Index]

- Saravana Kumar, E & Sumathi, A (2014), "Trust Based Resource Selection Policies to Optimize ACO Scheduler in Grid Environment", International Journal of Applied Engineering Research (IJAER), vol. 9, no. 22 pp. 1646–16474.
- Saravana Kumar, E & Sumathi, A (2013), "A Trust Based Ant Colony Optimized GirdScheduling", Life Science Journal(10 S), vol. 10, no. 7s, pp. 466-470.
- Saravana Kumar. E Vincey Jeba Malar.V, (2013), "Computer Aided Diagnosis for Liver Cancer using Statistical Model", International Journal of Research in Engineering and Technology vol. 2, no. 12, pp. 84-89
- Saravana Kumar, E & Sumathi, A (2012) "Performance Evaluation of grid using random scheduling", International Journal of Computer Applications, vol.55, no. 9, pp. 1-4.
- Saravana Kumar, E & Sumathi, A (2012) "A MPU:ACS Algorithm for grid workflow scheduling" ,European journal of Scientific Research, vol. 67, no. 4, pp. 602-606.
- Saravana Kumar, E, Latha, K "Performance and Accuracy of content-Based Image Retrieval International Conference on Intelligent Systems and Control – ISCO 2012 organized b Karpagam College of Engineering, Coimbatore, Tamil Nadu during 6-7 January 2012.
- Saravana Kumar, E, "Improving the performance and accuracy of content – based image retrieval", 1st International Conference on Advances in Communication and Computing January 9-10,2012 at Tejaa shakthi Institute of Technology for women in association with Asia Institute of Technology, Bangkok, Thailand.
- Saravana Kumar, E "Smart Irrigation systems with disease Analysis", National Conference Science, Engineering and Management (NCSEM-2K19) during 8th & 9th May 2019 conducted by, The Oxford College of Engineering, Bengaluru.
- Saravana Kumar, E, Sumathi, A & Latha, K (2012), "Feature Selection and Extraction for
- Content- Based Image Retrieval", International Journal of Mathematics Trends and Technology, ISSN: 2231-5373, Vol3, issue2 p.p 70-73.
- Saravana Kumar, E & Sumathi, A (2011), "Heuristics Based Survey on Grid Workflow Scheduling in Computational Grids", CiiT International Journal of Networking and Communication Engineering", vol. 3, no. 2, 82-86.
- Sumathi, A, Saravana Kumar, E & Lunagaria Munindra Hashmukhbhai (2011), "Resource Discovery Based on QoS aware check pointing arrangement in Grid Computing",

International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS), ISSN:0974-3588,Vol.4, Issue 1, p.p 188-192

- Saravana Kumar, E & Gomathy Pratima (2010), "A novel Load Balancing Algorithm fo Computational Grid", International Journal of Computational Intelligence Technique ISSN:0976-0466 & E-ISSN: 0976-0474, Volume 1, Issue 1, pp 20-26.

CONFERENCE PUBLICATION DETAILS

- R. Ramamoorthy, S. K. E, R. C. A Naidu and S. M, "Hybrid MultiHop Routing Mechanism with Intelligent Transportation System architecture for Efficient Routing in VANETs," 2022 International Conference on Disruptive Technologies for Multi-Disciplinary Research and Applications (CENTCON), Bengaluru, India, 2022, pp. 69-74, doi: 10.1109/CENTCON56610.2022.10051361.
- ES Kumar, K Shetty, K Saravana, VV M K, AS Naidu, (2021)D,elineation of connected buses and smart bus shelter by employing IoT and Machine Learning (2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile)
- Saravana Kumar, E & Gomathy Pratima "An Adaptive Load Balancing Algorithm fo Computational Grid", International Conference on Information Science and Application (ICISA 2010), 6 – Feb – 2010, Chennai, India.
- Saravana Kumar, E & Gomathy Pratima "A Novel Load Balancing algorithm for computational Grid", International Conference on ICICT 2010, IEEE, during 12-13 Feb – 2010.
- Saravana Kumar, E & Sumathi, A (2011), "EACS approach for Grid Workflow Scheduling in Computational Grid, CIIT 2011, CCIS 250, pp. 276-280. Pune, Springer –Verlag Berlin Heidelberg 2011[Scopus Index]
- Saravana Kumar, E & Lathigara Amit Maheshbhai "Grid Workflow Scheduling using Heuristics based approach" 1st International Conference on ICISET – April 08 -09 2011 at Rajkot, India
- Saravana Kumar, E & Lunagaria Munindra Hashmukhbhai "Self Organizing Resource Discovery for a self structured information systems", 1st International Conference on ICISET – April 08 - 09 2011 at Rajkot, India.
- Saravana Kumar E, & Akilandeswari, "Fault Detection and Recovery in Computational Grid", 1st International Conference on Advances in Communication and Computing, January 9- 10,2012 at Tejaa shakthi Institute of Technology for women in association with Asian Institute of Technology, Bangkok, Thailand.

- Saravana Kumar E, & Akilandeswari, "QoS Modeling in Computational Grid", Internation Conference on Intelligent Systems and Control – ISCO 2012 organized by karpagam College o Enginneirn, Coimbatore, during 6-7 January 2012

BOOK CHAPTER PUBLISHED

- Saravana Kumar, E & Sumathi, A (2011), "EACS approach for Grid Workflow Scheduling in a Computational Grid, CIIT 2011, CCIS 250, pp. 276-280. Pune, Springer –Verlag Berlin Heidelberg 2011 [Scopus Index]

TEXT BOOKS PUBLISHED

- Apoorva Bhowmick, Dr. Mansoor Farooq, Er. Ankur Sharma, Dr. E. Saravana Kumar Principles, Practices and Solutions for The Internet of Things, Book Rivers (28 January 2023),ISBN-10 : 9355158041, ISBN-13 : 978-9355158048
- Dr. E. Saravana Kumar P. Ramkumar, Naveen H.S, Teach Yourself Operating Systems: Kindle Edition, 1 August 2022, ASIN : B0B8CC36Y1
- Dr. E. Saravana Kumar P. Ramkumar, Naveen H.S, PROBLEM SOLVING TECHNIQUES USING PYTHON, ASIN : B09TSQ5KFH, 2 March 2022
- Dr. E. Saravana Kumar, "Fundamentals of Computing and C Programming", S.S Publishers Coimbatore. 2015
- E. Saravana Kumar, "Fundamentals of Computing and Programming", S.S Publishers Coimbatore. 2009. (ISBN 978-81-909246-4-1)

PATENT FILED

- Helmet Wear Notification System", Patent Appln. No. :201741003249A, Indian patent
- System for Optimizing Eight-Dimensional (8D) Audio Signals in a pair of Three-Dimensional (3D) Spectacles", Patent Appln. No. : 201941002634 A Indian patent
- Patent Granted - Sustainable remote assisted & transportable neonatal care device for jaundice treatment, Application No: 2021101143, Australian Patent (http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101143)
- Patent Granted - Delicate Vibratory Instrument for Neonates Oral Motor Simulation, application No: 2021101385, Australian Patent. (http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021101385)

- Design Patent Filed – AI Based Driver Drowsiness Detecting Device, Design No: 382013-001, Date : 21/03/2023

ADDITIONAL RESPONSIBILITIES

❖ **ASSOCIATE EDITOR**

- International journal of intellectual advancements and research in engineering computations (https://ijiarec.com/ijiarec/editorialteam)
- South Asian Journal of Engineering and Technology (https://sajet.in/index.php/journal/about/editorialTeam)

❖ **REVIEWER**

- International Journal of Grid and High-Performance Computing (2018)
- Concurrency and Computation: Practice and Experience (2018)
- International Journal of Web Services Research (2019)
- Journal of Internet Technology (2019)
- International Journal of Electrical and Electronics Research (2022)
- SN Computer Science -Springer Nature (2023)
- IEEE Mysurucon 2022 – The 2nd Edition of the Mysore Subsection Flagship International Conference on 16th & 17th October 2022
-

DECLARATION

I hereby declare that all the above furnished information is true and it is best of my knowledge

Place: Bengaluru
Date:

(SARAVANA KUMAR E)