

## CHILDREN'S EDUCATION SOCIETY (Regd.) Administrative Office:

1<sup>st</sup> Phase, JP Nagar, Bengaluru – 560 078 D: 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 & Recognized by UGC Under Section 2(f), Accredited by NBA, New Delhi, NAAC 'A' Grade with score of 3.24 & Diamond Rating by QS I Guage) Bommanahalli, Hosur Road, Bangalore -560 068. (): 080 -61754601/602 E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

# CRITERIA 5.1.3

Capacity building and skills enhancement initiatives taken by the institution include the following (10)

1. Soft skills,

- 2. Language and Communication skills
- 3. Life skills (Yoga, physical fitness, health and hygiene)
- 4. ICT/Computing skills

SUMMARY of programs conducted in 2023-24:-

| SL.<br>No. | YEAR    | Type of Skill<br>Development<br>Programs<br>Conducted | Number of<br>Programs<br>conducted | No. of students attended |
|------------|---------|---|------------------------------------|--------------------------|
| 1          |         | Soft skills   | 3                                  | 1071                     |
| 2          |         | Language and<br>Communication<br>skills               | 2.                                 | 1210                     |
| 3          | 2023-24 | Life skills(Yoga)                                     | 1                                  | 50                       |
| 4          |         | ICT/Computing skills                                  | 57                                 | 3671                     |
|            |         | Total No. of<br>programs<br>conducted:                | . 63                               | 6002                     |

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



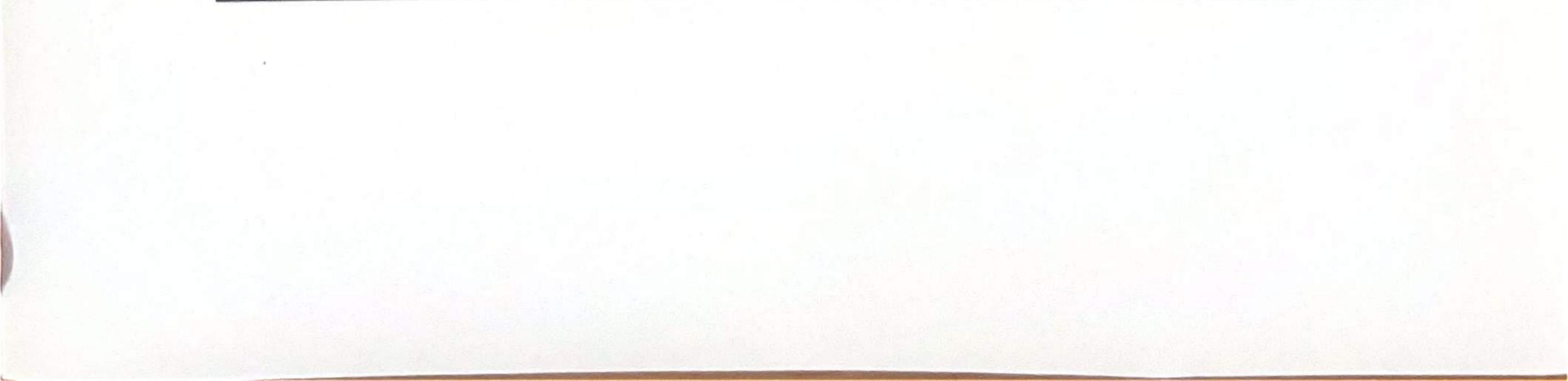
| Name of the capability<br>enhancement program | Date of<br>implementation<br>and Duration | Number of<br>students | Name of the<br>agencies/<br>Consultants involved<br>with contact details<br>(if any) |
|---|---|-----------------------|--|
|---|---|-----------------------|--|

|   | $5^{\text{th}}, 6^{\text{th}}, 7^{\text{th}}, 9^{\text{th}}, 10^{\text{th}}, 11^{\text{th}}$ and $13^{\text{th}}$ |     |   |
|---|---|-----|---|
| 1.Soft skills:-Company Specific<br>Technical training                     | October   |     | Six Phrase, The Finishing   |
|   | Time:42 hrs   | 372 | School, Coimbatore  |
| 2.Aptitude and Softskill training   | 15July 2024-<br>30 <sup>th</sup> July 2024  | 145 | Bizotic, Corporate Relations<br>Dept                                      |
| 3. Aptitude and Softskill training  | 10 <sup>th</sup> June-14 <sup>th</sup><br>June 2024   | 554 | Bizotic,<br>Corporate Relations Dept                                      |
| Language and Communication skills:-                                       | 04-9-2023 to 06-<br>01-2024(22 hrs)   |     | Prof Aparna Biju/Prof. Jessy<br>Koshy, Dept.of English                    |
| <ol> <li>Language Learning Apps in<br/>Communication skills</li> </ol>    |   | 605 |   |
| 5. Importance of Professional Writing<br>Skills for Engineers             | 06-03-2024 to<br>29-06-2024   | 605 | Prof Aparna Biju/Prof. Jessy<br>Koshy, Dept.of English                    |
| 5.Life skills(Yoga):-International Yoga<br>Day                            | 21/06/2024<br>Time: 10:30 am  | 50  | Namratha C Prabu<br>III Year Civil Engineering                            |
| CT/Computing skills :-  |   |     |   |
| Guest Lecture On "Design Thinking"<br>Opportunities through Recent Trends | 19 <sup>th</sup> June 2024  |     | Mr.Debabrata Pal<br>Technical Leader, IT<br>Infrastructure and Automation |
| Design Thinking through Machine   | 20 <sup>th</sup> and 22 <sup>nd</sup><br>June 2024  | 93  | Mr.Akash,<br>Data Scientist,Prinston Smart<br>Engineers,<br>Bangalore     |

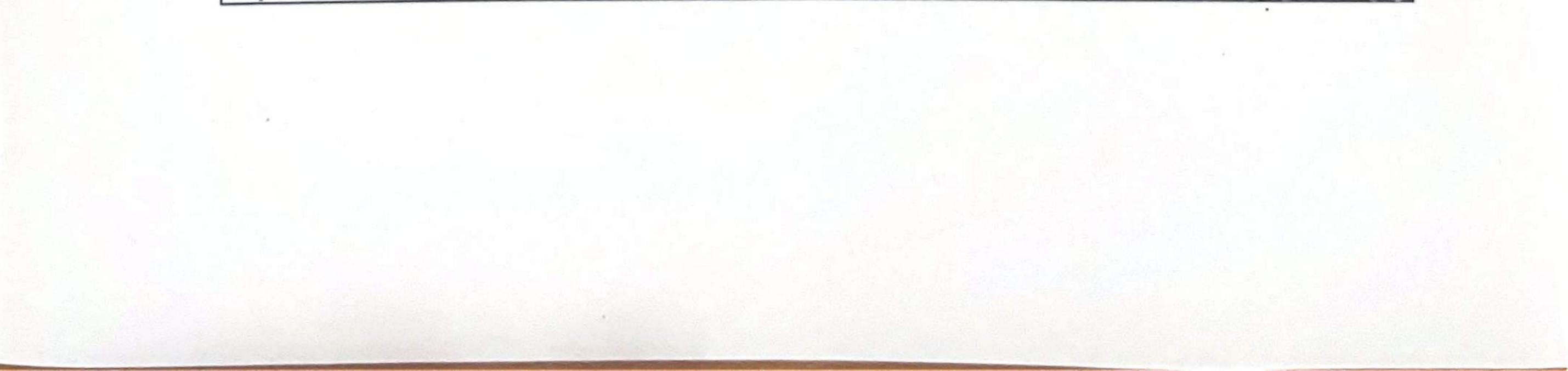


| Prototype /Process Design and<br>evelopment "Automotive Embedded<br>ystems and its recent trends"         | 11th May 2024           | 95 | Mr.Adarsha M, Principal<br>Engineer, Infenion Technologies                             |
|---|-------------------------|----|--|
| O.Innovative Global Education<br>pportunities for Young Engineers"  | 23rd May 2024           | 95 | Mr. Abhilash, Regional Head,<br>ISDC, Bangalore  |
| SE<br>1.Design thinking opportunities in software<br>ngineering   | 11.05.2024              |    | Mr.Rakshith<br>venkatesh,SoftwareDeveloper,<br>Google Pvt Ltd.,Banagalore              |
| 2.Expert talk on "Design Thinking and<br>areer opportunities in Power BI"                                 | 11/11/2023              |    | Ms.Varsha Lokesh,<br>Power BI developer,<br>Societe Generale Pvt Ltd,<br>Bangalore.    |
| 3.workshop on "entrepreneurship<br>opportunities in web development "                                     | 24/11/23                | 48 | Mr. Ganesh & Ms. Chandan<br>Software Engineer, Vision<br>Systems Pvt. Ltd., Bangalore. |
| 4.Workshop on "Innovation And Design<br>Thinking By Building interactive UIs with<br>React Fundamentals"  | 11.05.2024              | 40 | Mr. Yogendra,Software Engineer<br>KreditBee, Bangalore                                 |
| 15.Workshop on "Critical Thinking and<br>Problem Solving Using Selenium"                                  | 24.05.2024              | 41 | Ms. Bindyashree CA,<br>Assistant Professor, Dept Of<br>ISE,TOCE, Bangalore             |
| 16.Workshop Report on<br>"Design Thinking Opportunities through<br>various software tools and Algorithms" | 28.05.2024              | 41 | Dr. R. Kanagavalli,HOD,<br>ISE department,TOCE   |
| ECE<br>17.Innovation and Design Thinking<br>Opportunity on MEMS Sensors and                               | 29-11-2023<br>11am-1 pm | 50 | Pradyumna J., Scientist<br>, Central Manufacturing<br>Technology Institute, Bangalore  |
| 18.Embedded Machine learning Systems  | 01.12.2023<br>11.00am   | 49 | Mr.Rohit Prajapati,Digital<br>Technology Pvt Ltd                                       |
| 19.Innovation and Design Thinking<br>Opportunity through Embedded Systems                                 | 17-05-2024<br>11 am     | 72 | Mr.Jayachandra,<br>Mr.SunilKumar,Mr.Sachin K   |
| 20.Innovation and Design Thinking<br>Opportunity through Python<br>Programming                            | 25-05-2024<br>11:00 am  | 72 | Mr.Shivam Jha,Corporate<br>Strategy business excellence                                |
| 21.Innovation and Design Thinking<br>Opportunity on Wearable health<br>Monitors                           | 31-07-2023<br>11 am     | 66 | Mr.Saurabh Pratap Singh<br>Scientist E   |

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| EE<br>2.Workshop on Design & Critical Thinking<br>concepts of IoT with Arduino                                  | 04-10-2023<br>9.00 AM to 5.00                  | 48 | Mr. Vignesh Kumaran A,<br>Technical Lead,<br>Pantech E- learning, -<br>Chennai                           |
|---|--|----|--|
| 3.Innovation & Design Thinking<br>Opportunities in Physical Layout Design For<br>Logic Gates                    | 18-11-2023<br>10.00 AM to                      | 37 | Mr. Sagar D,<br>Design Engineer,<br>Mediatek,<br>Bangalore   |
| 4.Guest Lecture on Recent Trends in   | 28-11-2023<br>10.00 AM to<br>12.30 PM          | 37 | Dr. Shruthi,<br>Technical Project Manager,<br>ARKA Energy Pvt. ltd.,<br>Bangalore.                       |
| Sustainable Energy - Solar Rooftop<br>5.Seminar on User Interface Development<br>for Web and Mobile Application | 13-01-2024<br>10.00 AM to<br>12.30 PM          | 54 | Mr. Bikash Pattnaik,<br>Engineering Manager,<br>Komprise,<br>Bangalore                                   |
| 26.Workshop on Design Thinking & Critical<br>Thinking Concepts in VLSI technology                               | 15-02-2024<br>11.00 AM to<br>12.30 PM          | 46 | Mr. Prasad Rallabandi,<br>CEO and Co Founder,<br>Thinsil Technologies,<br>Bengaluru                      |
| 27.Workshop on Design Thinking &<br>Critical Thinking Concepts of Python<br>Programming                         | 24-02-2024<br>10.00 AM to<br>12.30 PM          | 45 | Dr. Rakhee kallimani,<br>Associate Prof. & HOD/EEE,<br>KLE Technological University,<br>Belagavi Campus. |
| MECH<br>28.Workshop on "Opti Press: Innovating  | 9 <sup>th</sup> November<br>2023at<br>10.30AM. | 60 | Dr. Yashaswini P R, Faculty,<br>EC Department, Malnad<br>College of Engineering,<br>Hassan               |
| 29. Workshop on "Mech Design Mastery:<br>Crafting Excellence in Product<br>Innovation"                          | 23 <sup>rd</sup> November<br>2023              |    | Mr. Kushal, Quality<br>Engineer, Rotary Electronics<br>Pvt Ltd, Bangalore                                |
| 30. Workshop on "Innovative Interfaces:<br>Mastering Design Software in Product<br>Development"                 | 2 <sup>nd</sup> February<br>2024               | 39 | Mr. Naveen Jaishwal,<br>Associate Engineer, Alten<br>India Pvt Ltd, Bangalore                            |
| 31. Expert Talk on "Smart<br>Manufacturing: Exploring Innovative<br>Opportunities in Mechanical<br>Engineering" | 24 <sup>th</sup> January<br>2024 at<br>11.00AM | 45 | Dr. Shivanna D M, CEO,<br>ARRKS INOVTECH Pvt Ltd<br>Bangalore  |
| BT<br>32.Expert talk on "R& D Innovation in<br>Clinical Genomics"   | 16th February<br>2024 from 11.00<br>AM         | 07 | Vivek Chandramohan, CEO<br>of SCIOmics, Ooty.  |
| 33.Institution Innovation Council with<br>Department of Biotechnology, TOCE<br>organized National Start Up Day  | 17th January<br>2024<br>from 11.00 A.M         | 67 | Mr. AnandKannan<br>Dr. Satish M. Bhavankar,<br>Director of Avas Digi Tech                                |
| 34. Expert Talk on "RND<br>Innovations in Next Generation<br>Sequencing"  | 5th February<br>2024 from 10.30<br>A. M        | 64 | Dr. Viswanathan. C, Senior<br>Scientific Officer, Mediomix<br>diagnosis<br>and Bioresearch Pvt. Ltd.,    |



| Expert Talk on StartUp Journey of  | 14th  |    |  |
|--|---|----|--|
| pevelopment through Synthetic Biology  | February 2024<br>from 11.00 A.M                       | 64 | Dr Ajay ,CEO and founder of<br>Synbioworks.  |
| ENTREPRENEURSHIP   | 28th March 2024<br>from 01.30 P.M                     | 50 | Dr. Mary Mangaiyarkarasi M.S is<br>currently working as IP Officer in<br>Bangalore Bioinnovation Centre. |
| DEAS FOR PROTOTVEE   | 31-5-24, 2pm  | 55 | Dr.Bindhu Madhavi  |
|  | 28 <sup>th</sup> November<br>2023<br>12:00 pm to 2:00 | 45 | Dr. Mangala Gowri S G<br>(Associate Professor,<br>Atria institute of                                     |
|  | 9-2-24<br>10:00 am to<br>12:00 pm                     | 54 | Mr.Nesar,Mr.Shashank,Ms.Akhil<br>a,Mr.Shravan Kumar Hegde  |
| 40. Workshop on Innovation and Design<br>thinking in product development using<br>SOLIDWORKS | 10/7/24<br>10:30 am                                   | 45 | Mr. Mahadev S  |
| 41 Workshop on "Innovation and design  | 15 <sup>th</sup> May 2024<br>11:00 am to 4:15<br>pm   | 15 | Ms. Jeevitha<br>(Senior software Engineer)   |
| 42.Guest lecture on "ROBOTICS AND<br>ITS APPLICATIONS"                                       | 28 <sup>th</sup> November<br>2023<br>12:00 pm to 2:00 | 45 | Dr. Mangala Gowri S G<br>(Associate Professor,<br>Atria institute of                                     |
| AIML<br>43.My story-Motivational session by<br>successful innovators                         | 25/11/2023<br>10:00 AM-<br>12:30 PM                   | 54 | Ms.SUPRIYA<br>SENIOR<br>ENGINEEER,SIEMENS<br>HEALTHCARE  |
| 44.WORKSHOP on "DESIGN<br>THINKING OPPORTUNITIES<br>THROUGH ANDROID<br>DEVELOPMENT           | 28/11/2023<br>7.30 PM -<br>9.30PM                     | 30 | Fabrizio Mayor Silbo,<br>Trainer   |
| 45.SNAPCHAT LENS MAKING<br>WORKSHOP  | 06-12-2023  | 54 | Prof. Shubaranjini   |
| 46.Design Thinking Opportunities<br>through NFT Making - Oxyignite 2K23                      | , 21-12-2023  | 79 | Dr P Bindhu Madhavi  |



|  | 5-1-2024                                     |    | Mr. Thaneshwar Singh, Ientra   |
|--|--|----|--|
| 47.Entrepreneurship and Startup<br>Opportunities for Young Engineers                                 | 11:00AM -<br>2:00PM                          | 70 | Business Solutions Pvt. Ltd.   |
| 48.WORKSHOP on "Innovation<br>Opportunities in Business Analytics using<br>Power BI"                 | 29/1/2024<br>&30/01/2024<br>g<br>9:00-4:00PM | 56 | RAGESH VARMA<br>AI Domain Expert   |
| 49.Workshop on AWS Fundamental<br>Computing-Research perspective                                     | 9:00 am -5:00<br>pm                          | 56 | Mr.Faizan,<br>Research Associate   |
| 50.Workshop on Entrepreneurship Skill,<br>Attitude, Behavior development for<br>young Engineers      | 12/02/2024,<br>10:30 am                      | 45 | Dr.Daram Muralidhar Reddy  |
| 51.WORKSHOP on "Innovative design<br>thinking opportines through AI tools for<br>website designing " | 22/5/2024<br>2:25 PM-<br>5:00PM              | 64 | Ankith/Zain  |
| 52.WORKSHOP on "Innovative opportunities using machine learning "                                    | 24/5/2024-<br>25/5/2024<br>9:30am- 4:00pm    | 70 | VIGNESH KUMARN .A  |
| 53.WORKSHOP on "Innovative design<br>thinking opportines through data science<br>and ML"             | 28/5/2024<br>2.00PM -<br>4:00PM              | 62 | VIGNESH KUMARN .A  |
| 54.MACHINE LEARNING FOR<br>INNOVATIVES AND AI  | 05-06-2024<br>2.00PM -4.00PM                 | 70 | PRIYANKA S.V   |
| 55.ENTREPRENEURSHIP<br>OPPORTUNITIES FOR YOUNG<br>ENGINEERS  | 3-7-2024<br>2.00 PM-4.00PM                   | 70 | FAREEN FARATH  |
| 56.INNOVATION OPPORTUNITIES<br>THROUGH MASTERING TOOLS   | 24-7-2024<br>2.00 PM-4.00PM                  | 70 | MAHALAKSHMI/ BHARATH   |
| MBA  |  |    |  |
| 57.Seminar on Product identification in<br>MSME Sectors and MSME Schemes<br>Application              | 1/4/2024                                     |    | Shri R Gopinath Rao, IEDS,<br>Deputy Director, MSME, DFO,<br>Govt of India |



| 8.Workshop on One day<br>Entrepreneurship awareness Program                            | 12/4/2024                        |     | Ms Bhuvana Suresh, Vice<br>President & Chairperson of<br>Entreprenuership & Skill Training<br>AWAKE<br>Mr Sadashiva S, Head - Training<br>Coordination, AWAKE |
|--|----------------------------------|-----|---|
| 59.Orientation Program on Effective<br>Communication and Inspirational<br>Leadership   | 11/6/2024                        |     | Dr C V Ramanan, Professor &<br>spiritual Sadhak, Inspirational<br>Speaker and Life Coach (TQP)  |
| MCA  |                                  |     |   |
| 60.Innovative Opportunities on "Java Full<br>Stack and Soft Skill"                     | 31/01/2024<br>10:00AM<br>onwards | 58  | Ms Madhu Maaloni K<br>Senior Program Specialist, TNS<br>India foundation, Bangalore   |
| Boot   | 18/12/2023<br>9:30AM<br>onwards  | 102 | Mr. Nagesh V<br>Senior Associate Manager, ZOLO<br>MyXP Technologies   |
|  | 28/06/2024<br>9.30AM onwards     | 100 | Dr. Sirisha Pamidipati<br>Data Analyst, UPgrade EDTech<br>Pvt Ltd   |
| 63.workshop on " Innovative Design<br>Development in the filed of Machine<br>Learning" | 14/05/2024<br>9.30AM onwards     | 100 | Mr. Ramesh Chandra<br>Project Engineer at Wipro   |

PRINCIPAL

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#### CHILDREN'S EDUCATION SOCIETY (REGD..) THE OXFORD COLLEGE OF ENGINEERING Bommanahalli, Hosur Road, Bangalore 560 068

Ref No: Oxf/Pur/ / 2023-24

Dated: 05-10-2023

Six Phrase, The Finishing School, 17, Gkd Nagar, Papanaickenpalayam, Coimbatore, Tamil Nadu, 641037.

Sir,

Kind Attention Nikhil Jose, 8660424547

Subject: Conducting Company Specific Technical Training

\*\*\*\*\*\*

With reference to the above subject, your Quotation Nil, dated Nil and further negotiations in this matter, we are glad to place our work order to conduct Company Specific Technical Training Program. details given below:

| Sl.No. | Description of Training<br>Program  | Training<br>Schedule | Fee per<br>Student | No. of<br>Students | Total<br>(Rs)         |
|--------|---|----------------------|--------------------|--------------------|-----------------------|
| 1      | Company Specific<br>Technical Training –<br>Final year BE & MCA<br>20-24 students 2)-24 | 42 hrs               | Rs. 850/-<br>+ GST | 372                | 3,16, 200 +<br>56,916 |
|        |   | Total                |                    |                    | 3,73,116/-            |



#### Terms & conditions:

Training Dates: The training should start from 5<sup>th</sup> October 2023. The training dates are 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> & 13th October 2023.

Payment: The payment shall be paid after completion of 42 hours of the training. It may take 30days to 45 days for the payment process. Payment will be based on actual attendance of the students during the training.

- Full payment will be done if the attendance of the individual student will more than or/and equal to 50% of the actual classes conducted.
- b. There will not be any payment for the students having attendance less than 50%.

#### Training terms:

- The training program shall be for a total of 7 (Seven) full working days consisting of 7 hours per day (including break & Lunch).
- 2) The training is to be conducted between 9.15 AM and 4:30 PM.
- The modalities for grouping / no. of students per batch shall be decided by the Six Phrase Training based on Pre-Assessment marks. (Batch size maximum should be 60 only).
- Every student shall be provided with training study materials and certificate by the end of the training.
- 5) There shall not be any class left vacant for want of resource person/s or trainer/s.
- You shall provide us with Trainer(s) details along with their profile well in advance for the smooth conduct of training.
- You shall provide us with detailed course content including class-wise course content for our ratification before commencement of the program.
- You shall provide us with the pre-assessment / post-assessment training tests reports which are mandatory so far as this contract is concerned.
- You shall provide us with the feed-back on the training from the students on the last day of the training.
- 10) A minimum of one year should provide the online test platform to the eligible students.
- A minimum of 10 online test links (For every company) should be shared with all the students before company scheduled the date.
- Dedicated domain and android app for the "Talentely" program for all the students as Complementary.
- All the additional online courses in the Six Phrase LMS for students learning should be provided at no extra cost.
- 14) All the trainers must reach the campus 15 minutes before the start of the training.

The above offer of work of Training is only illustrative and not exhaustive. However, all that contained in your Training proposal submitted / discussed have been noted and taken on record by us and trust that the same will be adhered to during the training sessions.



Childrens Education Society(Regd.) The Oxford College of Engineering 10th Milestone, Bommanahalil, Hosur Road, Bengaluru-560068

#### PURCHASE ORDER

PO No. : PO/23/20/828/242

Six Phrase Edutech Private Limited 78, Parameshwaram Pillal Layout, Colmbatore South, PN Palayam, Colmbatore -641037, Tamil Nadu, India. Contact Person Name : Nikhii Jose Contact No.:9994675750 Email-ID : sixphrase@gmail.com 
 GSTIN
 : 29AAATC1553A129

 PO Date
 : 05 Oct, 2023

 Quatation No.
 : NII

 Print Date Time
 : 05 Oct, 2023 15:23:08

Respected Sir / Madam,

With reference to your Quotation No Nil ,dated 03.10.2023 , and further discussion we are glad place the order for Technical training as per details given below & annexure attached : .

| S.No. | Item Description  | Company | Qty | UOM | Unit Rate<br>(In) | Total Rate (In | GST<br>(%) | GST Amt (In | Total Amt<br>(In ) |
|-------|---|---------|-----|-----|-------------------|----------------|------------|-------------|--------------------|
| 1     | BE - (Placement<br>Company<br>Specific Training<br>2023-2024) | •       | 310 | nos | 850.00            | 263500.00      | 18.00      | 47430.00    | 310930.00          |
| 2     | MCA - (<br>Placement<br>Company<br>Specific<br>Training)      | -       | 62  | nos | 850.00            | 52700.00       | 18.00      | 9486.00     | 62186.00           |

| COST PRICE (In )         | :  | 316200.0      |
|--------------------------|----|---------------|
| Discount Amount          | 1  | 0.00          |
| Purchase Price (In )     | :  | 316200.0<br>0 |
| Charges Amount<br>(In )  |    | 0.00          |
| GST Amount (In )         | ÷  | 56916.00      |
| Landed Cost (In )        | 1  | 373116.0      |
| Round off (In )          | ž. | 0.00          |
| Total Net<br>Amount(In ) | ÷  | 373116.0<br>0 |

Total Amount (): Three Lakh Seventy Three Thousand One Hundred Sixteen Only.

TERMS & CONDITIONS :

1. Price: :

As above ( all inclusive)

- Training: : The training should start from 5<sup>th</sup> October 2023. The training dates are 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>&13th October 2023.
- 3. Billing: :

Your invoice in duplicate mentioning Purchase Order No. and Date should be addressed to The Principal, The Oxford College of Engineering, 10th Milestone, Bommanahalli, Hosur Main Road, Bangalore - 560 068



Childrens Education Society(Regd.) The Oxford College of Engineering 10th Milestone, Bommanahali, Hosur Road, Bengaluru-560068

PURCHASE ORDER

PO No. : PO/23/20/828 242

F. D. Date

4. Payment: :

The payment shall be made after completion of 42 hours of the training.Payment will be based on actual attendance of the students during the training.

1. Full payment will be done if the attendance of the individual student will more than on/and equal to 50% of the actual classes conducted.

2. There will not be any payment for the students having attendance less than 50%.

OK\_

Please confirm acceptence of the order. Thanking You,

Prepared By : Mohan N



For THE OXFORD EDUCATIONAL INSTITUTIONS

Yours faithfully,

north

Manager Purchase

|     | VENKATACHALAM G           | 10X20CS143            |     | B2       | N408              | _       |              | 1 1                   | 4      | E       | -   | 1       | F   | 1 | 4 |
|-----|---------------------------|-----------------------|-----|----------|-------------------|---------|--------------|-----------------------|--------|---------|-----|---------|-----|---|---|
| 31  | VS Vanitha                | 10X20CS136            | 22  | 82       | N408              | -       |              | 4                     |        |         | -   | +       | -   | - |   |
| 38  | Yashtswini S              | 10X20CS147            | CSE | B2       | N408              |         |              |                       | 0      | 4-      |     | ]       | A   | - |   |
| 30  | Abhishek R                | 10X20IS003            | ISE | B2       | N408              |         |              | -                     | +      |         | t   | -       | -   | - |   |
| \$  | Aistiwarya Harish         | 10X20IS006            | ISE | - 82     | N408              |         | V            |                       |        | -       | -   | A.      | A L | A | 7 |
| =   | Akanksha                  | 10X20IS008            | ISE | B2       | N408              |         | +            | +                     | -      | 4       | Ŧ   |         | -   | + | 7 |
| \$  | Aliya Mariyam A           | 10X20IS010            | ISE | B2       | N408              |         | t            |                       | 1      | a       | 4   |         | -   | ¥ | - |
| -   | Bhumika Jadhav R          | 10X20IS018            | ISE | 82       | N408              |         |              | 4                     | 1      | <       | N   | 4<br>T  | 4   | + |   |
| 7   | Chimuth G R               | 10X20IS022            | ISE | 82       | NAME              |         | +            | 1                     | 2      | -       | -   |         | -   | - | - |
| 42  | Deckshitta Tahari         | 10X201S025            | ISE | R7       | NADR              |         | <            | 4                     |        | 4       | a   | +       | 4   | 4 | - |
| 4   | Blartprussed N            | 10X201S030            | ISE | CH       | NAME              |         |              | -                     | 4      | -       | -   | -       | -   | 1 | - |
| 4   | HARSHAJ                   | 10X2015031            | ISE | BD       | Nans              | 4       | 1            | -                     | 4      | -       | -   | 4       | 4   | ¥ | F |
| 22  | I farshov authini V       | 10X20IS032            | ISF | 187      | Nane -            | -       |              |                       | 2      | A       | d   | -       | 4   | £ | - |
| 54  | Harshitta K S             | 10X20150331           | ISF | L B      | NADO              |         |              | -                     |        | -       | A   | 8       | -   | * | - |
| 8   | ledhuecom .               | 10X201S035            | ISF | 00       | NADE              |         | 1            | -                     | 4      | 1       | -   | -       | ~   | - | - |
|     | Turking the second second | 10N269Sei37           | 454 | S.H      | DOLLAR.           |         | -            | +                     |        | -       | R   | 5 3     | -   | + |   |
| 53  | Narth suntiles a          | 10X208038             | ISF | CB1      | N 100             |         | -            | -                     | 0      | 4       | 4   | -       | -   | 4 | - |
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Date :27th Oct 2023

The Principal The Oxford College of Engineering Bengaluru,

#### Sub: Brief Report - Company Specific Technical Training - Six Phrase - 5th to 13th Oct 2023 - For BE Eligible Students - Reg

Respected Sir,

With reference to the above subject, the Corporate Relations department organized Company Specific Training to the Engineering students of 4th year and for Eligible students of all BE from 5th Oct to 13<sup>th</sup> Oct 2023(7 Days). Six Phrase was the training vendor and they classified students into 5 classrooms based on their performance in Pre-assessment test conducted on 3<sup>th</sup> Oct 2023.

The 7 days training was held between 5th Oct to 13<sup>th</sup> Oct 2023. As principal directed, 2 faculty members were allocated for each training room as monitors. The Monitors took attendance and Feedback in every session and submitted it to the Corporate Relations Department. The Head- Corporate Relations department shared the attendance regularly to the Placement Coordinators and the HODs. All 7 days training was well as per the plan and the feedback from the training room monitors and students was Very good.



Principal asked the Feedback about Training to the students. Students gave very good feedback, and they were very happy with the training.

To



Out of 309 students 287 students Attended Training more than 7 sessions (50% of the Training Sessions) This is for your kind information Sir.

Encl: The attendance Analysis for the Training

Thanking You Sir.

Yours Sincerely

10/23 Dr. Bheemeswara Reddy V

Head - Corporate Relations



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#### Day 1

| Problem             | Topic Coverage   | Language / Tech<br>Topics       | Company   |  |
|---------------------|--|---------------------------------|-----------|--|
| Car Hiring          | Time Calculation<br>Absolute Value finding<br>Arithmetic calculation | Any language / abs(),<br>Ifelse | TCS       |  |
| Unique Product Code | Number Disintegration  | Any Language / Looping          | TCS       |  |
| Replace Digit       | Formula Creation<br>Number Theory<br>Number Disintegration           | Any Language / Looping          | TCS       |  |
| Power of 4          | Number theory<br>Number Disintegration                               | Any Language / Looping          | TCS       |  |
| Sum of Remainders   | Number Theory<br>Formulation<br>Algorithm                            | Any Language – Short<br>Code    | Accenture |  |
| Nobita's Numbers    | Number System<br>Number Disintegration<br>Abs                        | Any Language/Looping            | Accenture |  |
| Max Product         | Number Theory<br>Formulation<br>Algorithm                            | Any Language – Short<br>Code    | Accenture |  |

SIX, PHRASE Myslate

#### Day 2

| Problem                                      | Topic Coverage   | Language / Tech<br>Topics   | Company                 |  |
|--|--|---|-------------------------|--|
| Derangement –<br>Student paper<br>correction | Permutation and<br>Combination<br>Formula<br>Factorial       | Functions   | CTS                     |  |
| Proper Divisors –<br>Amicable Pairs          | Finding all factors<br>efficiently<br>Optimization           | Any language/Looping,<br>nested   | Accenture               |  |
| Possible matching<br>parenthesis             | Formula<br>Catalan Series<br>Optimization                    | Any Language /<br>functions / recursion   | Accenture / TCS         |  |
| Problem                                      | Topic Coverage   | Language / Tech Topics  | Company                 |  |
| Trailing Zeros                               | Formula<br>Algorithm<br>Number Theory                        | Python / Looping  | Accenture / 20H0        |  |
| GCD / LCM                                    | Number theory<br>Algorithm<br>Optimization<br>Euclid Theorem | Java/Python<br>Function – Recursive<br>Optization   | Accenture /<br>Mindtree |  |
| Prime Pair                                   | Number theory<br>Prime number                                | Any Language /<br>Looping. Optimization<br>in finding the prime<br>numbers as the data<br>range is as large as<br>10^10 | TCS – Digital           |  |

SIX, PHRASE Myslate



# CHILDREN'S EDUCATION SOCIETY (Regd.) Administrative Office: 1<sup>st</sup> Phase JP Nagar, Bengaluru – 560 078 D: 080-61754501 – 502 Fax: 080-2654 8658 THE OXFORD COLLEGE OF ENGINEERING

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & proved by A.I.C.T.E. New Delhi, Accredited with 'A' Grade by NAAC & NBA New Delhi and Recognised by UGC Under Section 2(f) Bommanahalli, Hosur Road, Bangalore –560068.

D: 080 -61754601/602, Fax: 080 - 25730551 E-mail: engprincipal@theoxford.edu Web: www.theoxford.edu

02nd Aug 2024

## То

Tl 2 Principal

The Oxford College of Engineering

Bengaluru.

# Sub: Brief Report – Aptitude and soft Skills Training - Bizotic – 15th July 2024 to 30th July 2024 (10 Days) – Reg

Respected Sir,

With reference to the above subject, the Corporate Relations department organized Aptitude and Soft skills training to the MBA and MCA students of 2<sup>nd</sup> semester from **15th July 2024 to 30<sup>th</sup> July 2024 and** (10 Days). Bizotic was the training vendor and they classified students into 4 classrooms based on their performance in the Pre-assessment test conducted on 12<sup>th</sup> July 2024.



The 10 days training was held between 15<sup>th</sup> July to 30<sup>th</sup> July 2024. As Director given instruction, 2 faculty members were allocated for each training room as monitors. The Monitors took attendance and Feedback in every session and submitted it to the Corporate Relations Department. The Head- Corporate Relations department shared the attendance regularly to the Director- MBA& MCA, the HODs and Placement Coordinators. All 10 days training was well as per the plan and the feedback from the training room monitors and students was Very good





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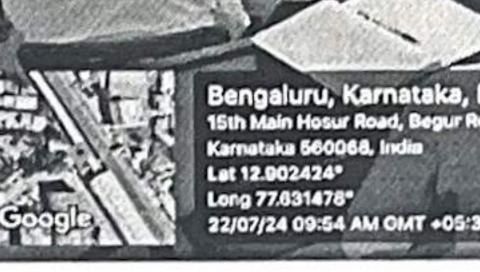


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Out of 224 students 145 students Attended Training more than 10 sessions (50% of the Training Sessions)

This is for your kind information Sir.

Encl: The attendance Analysis for the Training

Thanking You Sir.

Yours Sincerely

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1.218/24.

Dr. Bheemeswara Reddy V

Head – Corporate Relations

Placement Cel

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GV

PRINCIPAL

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

CHILDREN'S EDUCATION SOCIET Administrative Office: 1<sup>st</sup> Phase JP Nagar, Bengaluru – 56( ①: 080-61754501 – 502 Fax: 080-2654 8658

# THE OXFORD COLLEGE OF ENGINEERING

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & proved by A.I.C.T.E. New Delhi, Accredited with 'A' Grade by NAAC & NBA New Delhi and Recognised by UGC Under Section 2(f)) Bommanahalli, Hosur Road, Bangalore –560068.

D: 080 -61754601/602, Fax: 080 - 25730551 E-mail: engprincipal@theoxford.edu Web: www.theoxford.edu

1<sup>st</sup> July 2024

Training Report.

The Director - MBA & MCA

The Oxford College of Engineering

Jengaluru.

लवंत्र जोभते

eld 1974

ub: Brief Report – Aptitude and soft Skills Training - Bizotic – 10th June to 14<sup>th</sup> June 2024 and 24<sup>th</sup> une to 28<sup>th</sup> June 2024(10 Days) – Reg

Respected Sir,

With reference to the above subject, the Corporate Relations department organized Aptitude and Soft kills training to the Engineering students of 3<sup>rd</sup> year from **10th June to 14<sup>th</sup> June 2024 and 24<sup>th</sup> June to 8<sup>th</sup> June 2024** (10 Days). Bizotic was the training vendor and they classified students into 9 classrooms ased on their performance in the Pre-assessment test conducted on 6<sup>th</sup> June 2024.







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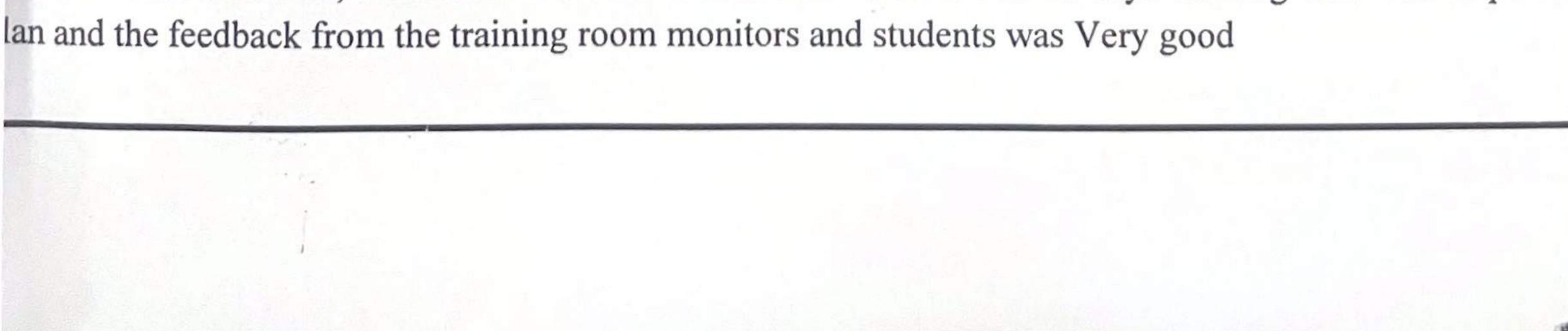


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The 10 days training was held between 10th June to 14th June 2024 and 24th June to 28th June 2024. s Director given instruction, 2 faculty members were allocated for each training room as monitors. The L nitors took attendance and Feedback in every session and submitted to the Corporate Relations repartment. The Head- Corporate Relations department shared the attendance regularly to the Principal, irector- MBA& MCA, Placement Coordinators and the HODs. All 10 days training was well as per the

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)ut of 569 students 554 students Attended Training more than 10 sessions (50% of the Training Sessions)

'his is for your kind information Sir.

Incl: The attendance Analysis for the Training

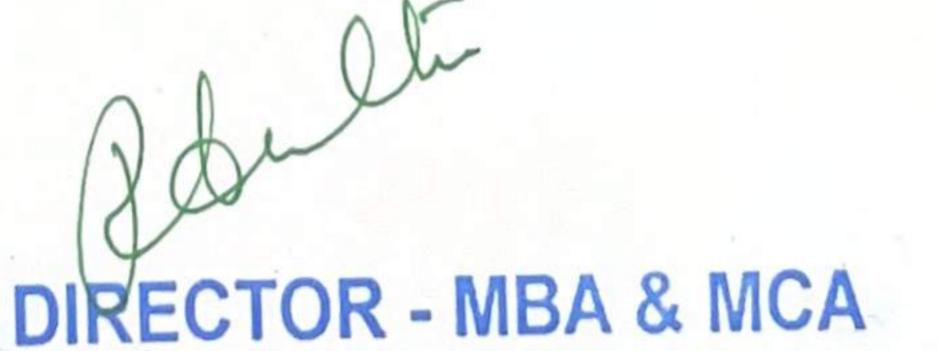
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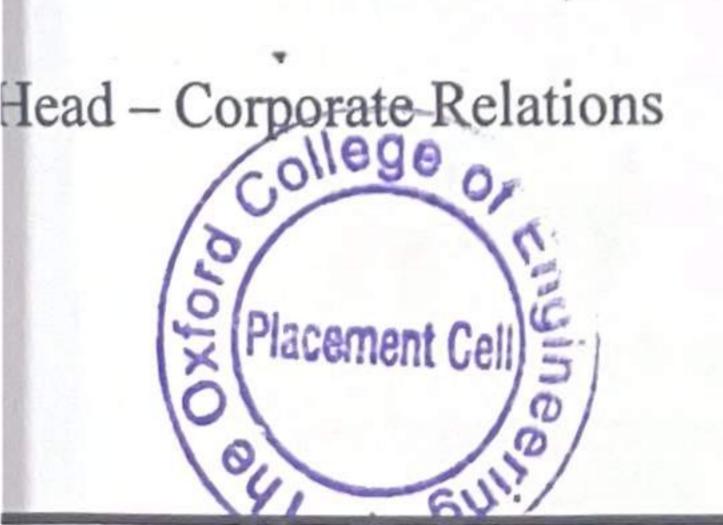
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Yours Sincerely

V-21-11/24

Dr. Bheemeswara Reddy V





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

#### Language Learning Apps in Communication Skills

#### Sem :1

To initiate the I year Undergraduate students into the process of acquiring the skills for communicating in English

#### Objectives

1. To know about Fundamentals of Communicative English and Communication Skills in general.

2. To impart basic and advance English grammar and essentials of important language skills.

3. To acquire Employment and Workplace better communication skills.

4. To achieve better Technical and Professional writing skills and Presentation skills for employment

5. To train to identify the nuances of phonetics, intonation, and enhance pronunciation for better communication skills

#### Facilities

- Laptops
- Flipped Class rooms
- Personalized Learning
- Enquiry evaluation-based learning
- Blended learning

#### Syllabus

The syllabus is designed in such a way to promote holistic learning. The content of the syllabus is divided into 5 modules which include self-introduction, greetings, using naming words, pronouns, action words, prepositions, descriptive words in continuous speech, questions and responses in everyday conversation and conversation practice. Intense training is given to all the I year undergraduate students to enable them become effective users of English.

- Skill Components
- Writing Skills
- Listening skills
- Comprehension skills
- Interactive skills
- Personality skills
- Interview skills

#### **Duolingo: Language-learning platform**

Recommend language learning apps tailored for English improvement, such as Duolingo. Duolingo is a language-learning platform that offers courses in various languages, including English. It is known for its gamified and interactive approach to language learning, making it engaging for users. While initially designed for learners of foreign languages, Duolingo also provides an English course for speakers of other languages (ESL).

Duolingo introduces and reinforces English vocabulary through interactive exercises, including matching, word translation, and picture-word associations. Users learn and practice a wide range of words in context. The platform covers English grammar rules through exercises that focus on sentence construction, verb conjugation, and other grammatical concepts. Users receive immediate feedback on their answers. Duolingo includes listening exercises where users hear spoken English and match it to written text. This helps improve listening skills and pronunciation. The app also incorporates speech recognition technology to assess users' pronunciation. Users engage in reading exercises to enhance their understanding of written English. This includes short passages, articles, and dialogues to improve reading comprehension skills.

Duolingo provides writing exercises that require users to construct sentences and paragraphs in English. This helps improve writing skills and encourages learners to express themselves in the language. Duolingo encourages consistency by offering daily challenges and streaks, motivating users to practice regularly. This gamified aspect adds an element of fun and competition to language learning. The platform tracks users' progress, showing their achievements and areas for improvement. This allows learners to monitor their development over time and set goals for language proficiency. Duolingo is available as a mobile app, making it convenient for users to practice English on the go. This flexibility encourages regular and accessible language learning.

#### Innovation in Teaching Learning in English as a Subject

#### **Multimodal Learning:**

Cater to diverse learning preferences by incorporating a variety of teaching methods, such as visual aids, hands-on activities, role-playing exercises, and multimedia presentations.

Encourage students to create and share multimedia projects, such as videos, podcasts, or infographics, to demonstrate their understanding of English language concepts in engineering contexts.

#### Assessment:

Develop authentic assessment tasks that measure students' English language proficiency within the context of engineering, such as evaluating technical reports, oral presentations, or written communication in a professional setting.

Provide constructive feedback and opportunities for reflection to help students improve their English language skills and transfer them to real-world engineering scenarios.

#### **Technology Integration:**

Utilize educational technology tools such as language learning apps such as Duolingo, virtual reality simulations, or online collaborative platforms to supplement traditional classroom instruction.

Encourage students to use technology for language practice outside of class, such as watching engineering-related videos with English subtitles or participating in online forums related to their field of study.



#### Group Presentation by students

#### 2023-24 (Odd Sem) by Prof. Aparna Biju Sem: 1

Timings: 2hrs per week Sections: C2, C3, C4, C5, P5 & P6 No. of Students = **316** Total hrs: 12

#### 2023-24 (Odd Sem) by Prof. Jessy Koshy

Sem: 1 Timings: 2hrs per week Sections: C1, P1, P2, P3, P4 No. of Students = **289** Total hrs: 10 Faculty Time Table slots are given below:





#### Attendance Register Samples:

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THE OXFORD COLLEGE OF ENGINEERING

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#### THE OXFORD COLLEGE OF ENGINEERING

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## IMPORTANCE OF PROFESSIONAL WRITING SKILLS FOR ENGINEERS Sem: 2

In today's globalized and competitive world, professional writing skills are essential for engineering students. These skills are not only crucial for academic success but also for professional development and career advancement. This report explores areas beyond the standard syllabus for professional writing skills in English, tailored specifically for first-year engineering students. The focus will be on practical applications, industry expectations, and advanced techniques that can help students excel in their academic and future professional careers.

Engineering students must understand the significance of effective communication in their field. This section discusses:

- **Career Relevance:** How strong writing skills can enhance job prospects and career growth.
- **Proposal Writing:** Students are taught to craft compelling and well-structured proposals, essential for securing funding and support for engineering projects.
- **Global Communication:** The role of English as a global language in engineering and technology.

#### **Mock Interviews & Group Presentation**

Mock interviews & Group Presentation are a valuable addition to the professional writing skills curriculum for first-year engineering students. Mock Interviews were conducted from 14<sup>th</sup> June to 20<sup>th</sup> June. These simulated interview scenarios provide students with the opportunity to practice articulating their thoughts clearly and concisely, skills that are essential not only for job interviews but also for writing resumes, cover letters, and other professional documents. Through mock interviews, students receive real-time feedback, helping them identify and improve on their weaknesses, enhancing their overall communication skills. This immediate feedback and the experience gained from mock interviews build confidence, reduce anxiety, and improve performance in actual interviews. By integrating mock interviews and GD into the curriculum, students can better prepare for the professional world, ensuring they can communicate effectively and professionally in any situation.



**Mock Interview** 



**Group Presentation** 

#### INNOVATION IN TEACHING LEARNING IN PROFESSIONAL WRITING SKILLS

Writing is a powerful tool that allows us to express ourselves, communicate ideas, and connect with others. Developing strong writing skills is essential for success in today's world. Reading is the foundation of good writing. Reading widely will expand your vocabulary, expose to different writing styles, and inspire one's own creativity. The key to improving the writing skills is to write regularly. By consistently practicing the writing, one can sharpen the skills, develop the unique voice, and build confidence in abilities. Writing is a process that involves multiple stages, including brainstorming, outlining, drafting, revising, and editing. We need to understand that the first draft doesn't have to be perfect; it's the foundation upon which one builds the polished work. Embrace revisions as opportunities for improvement and refinement. A strong vocabulary is a powerful asset for any writer. Continuously seek to expand the word bank by learning new words, phrases, and idioms.

#### **Flipping the Classroom**

In this strategy, standard lectures are set aside in favour of class time spent on technical writing process, technical report writing, technical proposals writing, research, application, and assessment to better connect learners and their needs. Outside of class, students study topics by reading, watching short pre-recorded video lectures on interview skills, group discussion and presentation skills. Class time is used to assist students in working through the content in groups or individually during active learning, emphasizing complex reasoning and problem-solving skills.

#### **Project-Based Learning**

Group presentation as a teamwork, and using problem-solving skills to find a solution to the challenge at hand are key components of professional skill learning. This strategy improves student engagement in education, enhances learning, and allows students to use modern technological tools and software in a variety of ways which can improve the enjoyment and satisfaction of learning to meet the present requirements of the Global employment market.













**Mock Interview** 











**Group Presentation** 

#### 2023-24 (Even Sem) by Prof. Aparna Biju Sem: 2 Timings: 2hrs per week Sections: P1, C2, C3, C4, C5, C6

No. of Students = **335** Total hrs: 12

#### 2023-24 (Odd Sem) by Prof. Jessy Koshy

Sem: 2 Timings: 2hrs per week Sections: C1, P2, P3, P4, P5, P6 No. of Students = **270** Total hrs: 10

605 students from all branches of B.E. second semester took part in all activities.

#### THE OXFORD COLLEGE OF ENGINEERING Bommanalli, Hosur Road, Bengaluru- 68

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#### THE OXFORD COLLEGE OF ENGINEERING

Bommanalli, Hosur Road, Bengaluru- 68

Department of Science and Humanities (English) Time Table for the Academic Year 2023-24 (Even)

Name of the Faculty: Prof. Jessy Koshy

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THE OXFORD COLLEGE OF ENGINEERING

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#### Children's Education Society ® THE OXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaluru-560 068

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

## **International Yoga Day Celebration Report**



Children's Education Society 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 A New Delhi and Recognized by UGC

Hosur Road, Bommanahalli, Bangalore - 560068

#### NATIONAL SERVICE SCHEME (NSS)

Welcomes to Celebrate

## "INTERNATIONAL YOGA DAY"



By Namratha C Prabu III Year Civil Engineering Student TOCE, Bangalore

t Date: 21/06/2024 Time: 10:30 am onwards Venue: Smart Class Room: N206

Dr. S.N.V.L Narasimha Raju Chief Patron President

The Oxford Educational Institutions Dr. N. Kannan Principal The Oxford Collegeof Engineering Prof. Yadhu Krishna NSS Coordinator The Oxford College of Engineering Prof. Prakash N NSS Coordinator The Oxford College of Engineering International Yoga Day is celebrated every year on the 21st June to raise awareness and celebrate the spiritual discipline of Yoga. It is an art and science of healthy living. Today, on the 21st June 2024, the National Service Scheme of The Oxford College of Engineering organized a small event on the account of the 10th International Yoga Day. It was attended by professors and students from various departments with great enthusiasm .

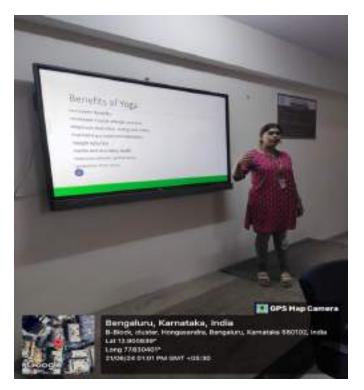
The event began with a brief introduction on Yoga Day by Ms.Namratha C Prabhu, a student from the 6th semester studying at The Oxford College Of Engineering, followed by welcoming Mr.Prakash and Mr.Yadukrishna,professors at TOCE who take great interest in the art of Yoga. A Presentation on the origin, history and importance of yoga was given by Ms.Namratha,including some interactive sessions with the students from various departments who gave their full co-operation and participation. A talk on Surya Namaskara ,its importance and benefits followed by demonstration by the students of the Civil Engineering Department, Ms. Anamika and Ms.Namratha was presented. The students also practiced pranayama in unison witnessing the benefits for themselves.

The sesion focused on motivating the students, the youth of the country to inculcate the discipline of Yoga as it is presumed that a good, balanced, integrated, truthful, clean, transparent, person will be more useful to oneself, family, society, nation, nature and humanity at large. The importance of maintaining a harmony between mind and body was later discussed in a group discussion by the students present in the event and later promised to introduce the practice of Yoga in their everyday lives.

International Yoga Day celebration was thus a huge success under the supervision of Prof. Prakash, faculty of Civil Engineering Department. The function ended with a vote of thanks by Ms. Namratha followed by National Anthem.



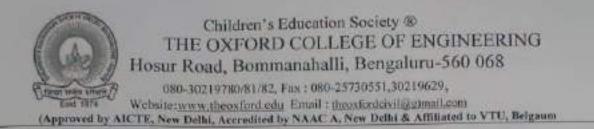
**Glimpses of NSS Yoga Day Report.** 











#### **Department of Civil Engineering**

## List of students for Attending "International Yoga day Celebration "

#### Dated 21-06-2024

| SLNo | USN        | Name of the Student     | Signature |
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| 4    | 10X21CV004 | ALBERTSON AKOHAM        | Albert    |
| 5    | 10X21CV005 | ANAMIKA VINESH          | ANOLNERO  |
| 6    | 10X21CV006 | BHAVANA M               | bhavara   |
| 7    | 10X21CV008 | MEHDI ALI MEKHRI        | MORA:     |
| 8    | 10X21CV009 | MOAAZ AHMED             | moure     |
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### Guest Lecture On

#### "Design Thinking Opportunities through Recent Trends"





**The Oxford college of Engineering, Bangalore - Computer Science and Engineering** in association with Institution Innovation Council and IEEE organized Guest Lecture On **"Design Thinking Opportunities through Recent Trends"** on 19<sup>th</sup> June 2024 from 1:30 PM onwards by **Mr. Debabrata Pal,Technical Leader, IT** 

Infrastructure and Automation Solutioning, CISCO, Bangalore. Cisco is well-known for its networking solutions, including routers, switches, and security products. The company also provides a wide range of software solutions and services to help businesses manage and optimize their network infrastructures. Cisco's products and services are widely used in various industries, making it a key player in the technology sector. Cisco also focuses on fostering an inclusive and diverse work environment, supporting employee resource groups, and promoting a culture of innovation and collaboration.

#### **OBJECTIVE:**

The main objective of the Guest Lecture On **"Design Thinking Opportunities through Recent Trends"** focused on identifying opportunities through recent trends can lead to several valuable outcomes.

The other objectives of the Expert Lecture are

#### • Innovative Solutions:

- Development of creative and practical solutions to current business challenges.
- Prototyping and testing of new ideas that align with recent trends.

#### - Enhanced Problem-Solving Skills:

- Improved ability to approach problems with a user-centered mindset.
- Enhanced skills in ideation, prototyping, and iterative testing.

#### - Identification of Key Trends:

- Recognition of significant trends affecting the industry and business environment.
- Understanding how these trends can be leveraged for business opportunities.

#### <sup>–</sup> Strategic Alignment:

• Alignment of new ideas with the company's strategic goals and vision.

• Identification of areas where the company can innovate and differentiate itself in the market.

#### <sup>–</sup> Customer-Centric Approach:

- Development of solutions that meet the actual needs and desires of customers.
- Increased empathy for customers and deeper insights into their behaviors and preferences.

#### - Collaboration and Team Building:

- Enhanced teamwork and collaboration across different departments and functions.
- Creation of a shared vision and commitment to innovation.

#### - Actionable Roadmaps:

- Creation of clear, actionable plans for implementing new ideas and solutions.
- Identification of key milestones, resources, and timelines for project execution.

#### Increased Agility:

- Ability to quickly adapt and respond to changing market conditions and customer needs.
- Development of a culture of continuous improvement and innovation.

#### <sup>–</sup> Competitive Advantage:

- Identification of unique opportunities to differentiate from competitors.
- Development of new products, services, or business models that provide a competitive edge.

#### - Employee Engagement and Morale:

- Increased employee engagement and motivation by involving them in the innovation process.
- Fostered sense of ownership and pride in contributing to the company's growth and success.

Around 100 students and 8 faculty members are participated in the guest lecture.

#### **OUTCOMES:**

The main outcomes of the Guest Lecture On "**Design Thinking Opportunities through Recent Trends**" are to educate and inspire participants on how to leverage design thinking principles to capitalize on emerging trends, thereby fostering innovation and creating valuable solutions in their respective fields. The other outcomes are

#### • Trend Awareness:

- Increased understanding of current and emerging trends across various industries.
- Insights into how these trends impact user behavior, market dynamics, and business opportunities.

#### - Application of Trends in Design Thinking:

- Practical examples of how recent trends can be integrated into the design thinking process.
- Case studies demonstrating successful application of trends in product and service innovation.

#### Identifying Opportunities:

- Skills to identify new opportunities by analyzing recent trends.
- Techniques for translating trends into actionable design challenges and opportunities for innovation.

#### <sup>–</sup> Enhanced Creativity and Innovation:

- Inspiration to think creatively about how to apply trends to solve existing problems.
- Encouragement to explore unconventional ideas and solutions inspired by recent trends.

#### - User-Centered Innovation:

- Emphasis on understanding user needs and behaviors in the context of recent trends.
- Strategies for conducting trend-informed user research and developing user personas.

#### Prototyping and Testing:

- Guidance on creating prototypes that incorporate trend insights.
- Techniques for testing and iterating on solutions to ensure they align with current and emerging trends.

#### - Strategic Foresight:

- Development of foresight skills to anticipate future trends and their potential impact.
- Understanding how to position an organization or product to take advantage of future trends.

#### <sup>-</sup> Collaboration and Cross-Disciplinary Insights:

- Promotion of collaboration across different functions and disciplines to leverage diverse perspectives on trends.
- Techniques for fostering a collaborative environment that embraces trend-based innovation.

#### - Business Model Innovation:

- Exploration of how trends can inspire new business models and revenue streams.
- Examples of companies that have successfully pivoted or evolved their business models based on trends.

#### <sup>-</sup> Sustainability and Ethical Considerations:

- Awareness of trends related to sustainability and ethical design.
- Strategies for incorporating sustainable practices and ethical considerations into design thinking processes.

#### <sup>–</sup> Technology Integration:

- Insights into how technological advancements (e.g., AI, IoT, blockchain) can be harnessed within the design thinking framework.
- Examples of innovative products and services that utilize cutting-edge technologies.

#### <sup>–</sup> Market Differentiation:

- Techniques for using trend insights to differentiate products and services in the market.
- Understanding how to create unique value propositions that resonate with trend-savvy consumers.

#### Social media Link:

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#### Video Link:

https://drive.google.com/drive/folders/1Cba7cAQ\_srEUjMuODKMRwotGnzjt2T1-

Department of Computer Science and Engineering Guest Lecture on "Design Thinking Opportunities through Recent Trends" ATTENDANCE SHEET: Date: 25.86,2824

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## Department of Computer Science and Engineering

Guest Lecture on "Design Thinking Opportunities through Recent Trends"

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## Department of Computer Science and Engineering

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## Department of Computer Science and Engineering

Great Lectury an "Design Thinking Opportunities through Recent Trends"

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### Department of Computer Science and Engineering

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Sustainability and Ethical Counderstions:

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- Wrategies for incorporating nonainable practices and ethical considerations into design thinking processes.

Technology Integration

- Imights into how technological advancements (a.g., AI, IoT, blockshain) can be homework within the design thicking framework.
- Examples of innovative products and services that will be patting-edge technologies.

Market Differentiation:

- Techniques for using trend lealghts to differentiate products and services in the market.
- Understanding how to cruste setique value propositions that resonate with trend-savvy streamers.

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

### WORKSHOP ON "Design Thinking through Machine Learning"





**The Oxford college of Engineering, Bangalore - Computer Science and Engineering** in association with Institution Innovation Council and IEEE organized workshop On **"Design Thinking through Machine Learning"** on 20th June and 22<sup>nd</sup> June 2024 from 10:30 AM onwards by **Mr.Akash, Data Scientist, Prinston Smart Engineers, and Bangalore.** The role of a data scientist is multifaceted and central to the

data-driven decision-making processes within an organization. Data scientists are responsible for leveraging data to derive actionable insights, build predictive models, and solve complex business problems.

#### **OBJECTIVE:**

The main objective of the workshop On **"Design Thinking through Machine Learning"** can be formulated by integrating the core principles of design thinking with the capabilities of machine learning. The other objectives of the workshop are

#### 1. Understanding Machine Learning Fundamentals:

 Educate participants on the basic principles and techniques of machine learning, including supervised and unsupervised learning, neural networks, and deep learning.

#### 2. Application of ML in Problem-Solving:

 Demonstrate how machine learning algorithms can be used to analyze complex data sets, identify patterns, and generate insights that inform the design thinking process.

#### 3. Data-Driven Design Decisions:

• Teach participants how to use machine learning to make informed design decisions by analyzing user data and predicting user behavior and preferences.

#### 4. Integration of ML in Prototyping and Testing:

 Show participants how to incorporate machine learning models into the prototyping and testing phases to simulate real-world scenarios and gather valuable feedback.

#### 5. Enhancing User Experience with ML:

• Explore how machine learning can be utilized to personalize and enhance user experiences by adapting designs based on user interactions and feedback.

#### 6. Developing ML-Enabled Solutions:

 Guide participants in designing and developing machine learning-enabled solutions that address specific user needs and challenges identified through the design thinking process.

#### 7. Experimentation with ML Tools and Frameworks:

 Provide hands-on experience with popular machine learning tools and frameworks, such as TensorFlow, PyTorch, and scikit-learn, to implement ML models in design projects.

#### 8. Evaluating ML Model Performance:

 Teach participants how to evaluate the performance of machine learning models, using metrics such as accuracy, precision, recall, and F1 score, to ensure effectiveness in addressing design goals.

#### 9. Addressing Ethical and Bias Concerns in ML:

 Discuss the ethical considerations and potential biases in machine learning applications, and how to mitigate them to ensure fair and responsible design practices.

#### 10. Predictive Analytics for Design Insights:

• Show how predictive analytics can be applied to forecast trends and user behavior, providing valuable insights that drive innovative design solutions.

#### 11. Iterative Improvement of ML Models:

• Emphasize the importance of continuously refining and improving machine learning models based on user feedback and changing requirements.

#### 12. Scalability and Adaptability of ML Solutions:

• Teach participants how to design machine learning solutions that are scalable and adaptable to evolving user needs and technological advancements.

Around 100 students and 8 faculty members are participated in the guest lecture.

#### **OUTCOMES:**

The main outcomes of the workshop On "**Design Thinking through Machine Learning**" are. Attendees successfully develop and test machine learning-driven prototypes, showcasing their ability to integrate ML models into the design process effectively. The other outcomes are

#### 1. **Enhanced Understanding of Machine Learning Applications**:

 Participants gain a deeper understanding of how machine learning can be applied within the design thinking process to solve complex problems and create innovative solutions.

#### 2. Development of ML-Driven Prototypes:

 Attendees successfully develop and test machine learning-driven prototypes, showcasing their ability to integrate ML models into the design process effectively.

#### 3. Improved Data-Driven Decision Making:

• Participants learn to leverage machine learning for making data-driven design decisions, resulting in more informed and effective solutions.

#### 4. Creation of Personalized and Adaptive Solutions:

• Participants utilize machine learning to design solutions that are personalized and adaptive to individual user needs and preferences, enhancing user experience.

#### 5. Proficiency in ML Tools and Techniques:

 Attendees become proficient in using various machine learning tools and frameworks, enabling them to implement and deploy ML models in their design projects.

#### 6. Identification of Patterns and Insights from Data:

 Participants are able to use machine learning algorithms to identify patterns, trends, and insights from complex data sets, informing the design and development of solutions.

#### 7. Integration of ML into the Design Process:

• Attendees successfully integrate machine learning models into different stages of the design thinking process, from ideation to prototyping and testing.

#### 8. Increased Confidence in Using ML:

 Participants gain confidence in applying machine learning techniques to design thinking challenges, leading to more innovative and effective solutions.

#### 9. Awareness of Ethical and Bias Issues in ML:

• Attendees are more aware of ethical and bias issues related to machine learning and understand how to address these concerns in their projects.

#### 10. Iterative Improvement of ML Models:

 Participants demonstrate the ability to iteratively improve machine learning models based on user feedback and changing requirements, ensuring their solutions remain relevant and effective.

#### 11. Collaboration Between ML and Design Professionals:

• The workshop fosters improved collaboration between machine learning experts and design professionals, leading to more cohesive and integrated solutions.

#### 12. Application of Predictive Analytics:

• Participants apply predictive analytics to forecast user behavior and preferences, enabling them to design solutions that are proactive and forward-looking.

#### 13. Enhanced Problem-Solving Skills with ML:

 Attendees enhance their problem-solving skills by learning to use machine learning to analyze and address complex challenges in the design thinking process.

#### 14. Development of Scalable ML Solutions:

• Participants design and develop machine learning solutions that are scalable and adaptable, capable of handling evolving user needs and technological changes.

#### **Additional Outcomes**

- **Real-World Application**: Participants apply their knowledge and skills in real-world scenarios, demonstrating the practical application of machine learning in design thinking.
- **Innovation and Creativity**: The workshop stimulates innovation and creativity by encouraging participants to think outside the box and explore new ways to use machine learning in design.
- Feedback and Continuous Learning: Attendees provide feedback on their experiences, leading to continuous improvement of the workshop and its content, ensuring it remains relevant and impactful.

#### Social media Link:

https://www.facebook.com/photo/?fbid=514695834415798&set=a.177418398143545

Video Link:

https://drive.google.com/drive/folders/1FVsbiYKguyWhtXKkFF8yNU-ISLsHmOPH

Department of Computer Science and Engineering

Workshop on" Design Thinking through Machine Learning"

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Department of Computer Science and Engineering Workshop on" Design Thinking through Machine Learning" DAY I ATTENDANCE SHEET: Date: 20.06.2024

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### Department of Computer Science and Engineering

### Workshop on" Design Thinking through Machine Learning"

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### Department of Computer Science and Engineering

## Workshop on" Design Thinking through Machine Learning" DAV 2 ATTENDANCE SHEET: Date: 32.06.2024

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## Department of Computer Science and Engineering

Warkshop on" Design Thinking through Machine Learning" BAA 2 ATTENDAME SHEET: Bare: 32.06 2024

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## THE OXFORD COLLEGE OF ENGINEERING.

## Department of Computer Science and Engineering

## Workshop on" Design Thinking through Machine Learning"

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### WORKSHOP ON Prototype /Process Design and Development

"Automotive Embedded Systems and its recent trends"













The Oxford college of Engineering, Bangalore - Computer Science and Engineering and Department of Artificial Intelligence and Machine Learning in association with Institution Innovation Council and IEEE organized a workshop on "Prototype/Process Design and Development in the field of Automotive Embedded Systems and its recent trends"\_on 11<sup>th</sup> May 2024 from 10:00 AM to 4.30 PM by Mr.Adarsha M, Principal Engineer, Infenion Technologies. He holds more than 18 years of experience in Bosch and Infineon.

#### **OBJECTIVE:**

The objective of the workshop on "Prototype/Process Design and Development in the field of Automotive Embedded Systems and its recent trends" appears to be to provide a comprehensive understanding of the latest advancements, methodologies, and best practices in designing of various prototypes and process design and developing automotive embedded systems. Overall, the objective of the workshop on "Prototype/Process Design and Development" is to empower participants with the knowledge, skills, and confidence to create innovative prototypes and design efficient processes that drive success in their organizations or industries. It aims to educate attendees on several key areas:

- Education on Prototyping and Process Design: To educate participants on the fundamental principles of prototyping and process design specific to automotive embedded systems. This could cover topics such as system architecture, hardware design, software development, and integration techniques.
- Understanding Prototyping Methods: Educating participants about various prototyping methods, such as rapid prototyping, iterative prototyping, and simulationbased prototyping. This would involve discussing the advantages, disadvantages, and suitable applications of each method.
- Process Design Principles: Exploring the principles of process design, including process mapping, analysis,

- optimization, and standardization. Participants would learn how to design efficient and effective processes that meet quality, cost, and time requirements.
- Hands-on Prototyping: Providing participants with practical experience in prototyping through workshops, demonstrations, or project-based activities. This could involve using prototyping tools, software, and hardware to create tangible prototypes of products, systems, or processes.
- Process Development Techniques: Introducing participants to various process development techniques, such as Lean, Six Sigma, and Agile methodologies. Participants would learn how to apply these techniques to streamline workflows, improve productivity, and reduce waste.
- Software Development: Discussing the software development processes, particularly ASPICE (Automotive SPICE) and the role of AUTOSAR (Automotive Open System Architecture) in standardizing automotive software.
- Current Trends: Addressing major trends such as the electrification of vehicles, autonomous driving, and the shift towards centralized electronic architectures to reduce weight and cost.

#### **OUTCOMES:**

The outcomes of the workshop is Participants gain a deeper understanding of prototyping methods, process design principles, and development techniques relevant to their field or industry. The other outcomes are:

**Improved Prototype Skills**: Participants develop practical skills in prototyping, process mapping, analysis, optimization, and other related areas through hands-on activities and exercises.

Applicable Knowledge about process Design and Development: Participants acquire knowledge that is immediately applicable to their work environments, enabling them to design and develop prototypes and processes more effectively and efficiently.

**Innovative Solutions about Prototypes**: Participants learn to apply creative thinking and problem-solving strategies to prototype development and process design, resulting in innovative solutions that address real-world challenges.

**Proficiency in Prototyping Tools and Methods**: Participants become proficient in using various prototyping tools and methods, such as wire framing software, 3D printing, or software development frameworks, depending on the workshop's focus.

Ability to Translate Concepts into Tangible Prototypes: Participants develop the skills necessary to translate abstract ideas and concepts into tangible prototypes, whether physical models, digital mockups, or interactive prototypes.

**Problem-Solving Skills**: Participants enhance their problem-solving skills by tackling design challenges and constraints encountered during the prototyping process, fostering creativity and innovation.

**Effective Communication of Design Concepts**: Participants improve their ability to communicate design concepts and ideas effectively, whether through visual representations, verbal explanations, or storytelling techniques.

**Collaborative Work Skills**: Participants learn to collaborate effectively with team members, stakeholders, and end-users throughout the prototyping process, fostering a culture of collaboration and co-creation.

**Confidence in Presenting and Defending Design Decisions**: Participants gain confidence in presenting and defending their design decisions, backed by rationale, user insights, and testing results. The workshop is led by Adarsha M, a Functional Safety Engineer at Infineon Technologies Pvt Ltd, indicating a focus on technical and industry-specific insights relevant to professionals in the automotive and embedded systems sectors. Around 70 students from various departments and 10 faculty members attended the workshop and got benefitted.

#### THE OXFORD COLLEGE OF ENGLYLERING

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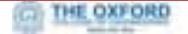
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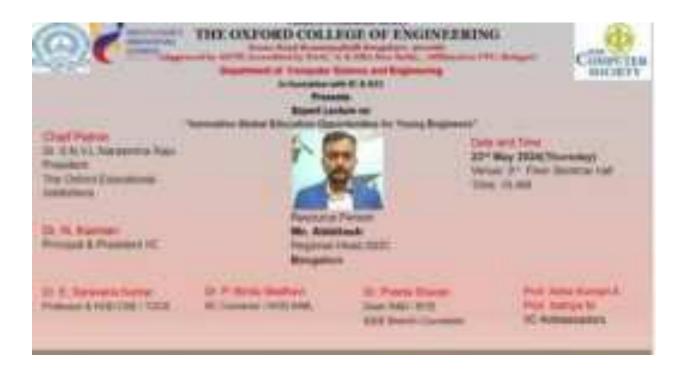




Children's Education Society ® THE OXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaluru-560 068 Website: http://www.theoxford.edu/engineering/ (Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

### EXPERT LECTURE ON

### "Innovative Global Education opportunities for Young Engineers"









The Oxford college of Engineering, Bangalore - Computer Science and Engineering in association with Institution Innovation Council and IEEE organized an Expect Lecture on "Innovative Global Education Opportunities For Young Engineers" on 23<sup>rd</sup> May 2024 from 10:00 AM onwards by Mr. Abhilash, Regional Head,ISDC,Bangalore. ISDCs are typically organized by the National Space Society (NSS) and cover various topics related to space exploration, development, and technology. Bangalore, being a hub for technology and innovation in India, would provide an excellent venue for such a conference, given its expertise in aerospace engineering, research, and development.

### **OBJECTIVE:**

The main objective of the Expect Lecture on "Innovative Global Education Opportunities For Young Engineers "are encourage young engineers to think outside the box and foster a mindset of creativity and innovation in approaching educational opportunities.

The other objectives of the Expert Lecture are

Design Innovation and Human-Centered Design: Discuss educational opportunities that emphasize design innovation and human-centered design principles, empowering young engineers to create products, services, and systems that address real-world needs and enhance user experiences.

- Emerging Fields and Interdisciplinary Studies: Explore educational programs that bridge traditional disciplines and integrate emerging fields such as biotechnology, nanotechnology, renewable energy, and space exploration to foster innovation at the intersection of multiple domains.
- Digital Transformation of Innovation and Industry 4.0 Skills: Highlight the importance of acquiring skills in digital transformation and Industry 4.0 technologies, including data analytics, cyber security, robotics, automation, and smart manufacturing, to prepare young engineers for the future of work and innovation.
- Innovation Ecosystems and Entrepreneurship Education: Explore educational initiatives that cultivate innovation ecosystems and entrepreneurship education, providing young engineers with the resources, mentorship, and support networks needed to launch startups, commercialize inventions, and drive economic growth.
- Ethical and Responsible Innovation: Address the ethical considerations and societal implications of innovation, emphasizing the importance of responsible innovation practices, sustainability, and ethical decision-making in engineering education and practice.
- Global Perspective about innovation opportunities: Participants gain a broader understanding of global engineering challenges, solutions, and best practices, enabling them to approach problems from diverse cultural, social, and economic perspectives.
- Understanding of Innovation Principles: Attendees gain a deeper understanding of the principles and dynamics of innovation, including the importance of creativity, collaboration, experimentation, and resilience in the innovation process.

Around 100 students and 8 faculty members are participated in the expert lecture.

### **OUTCOMES:**

The main outcome of the Expect Lecture on **''Innovative Global Education Opportunities for Young Engineers''** would likely be to inspire, inform, and equip young engineers with the knowledge, skills, and resources they need to thrive in a rapidly evolving global landscape. A primary outcome would be the how to train teaching entrepreneurship alongside engineering skills that can empower young engineers to create innovative solutions and start their ventures.

**Inspiration and Motivation**: Encouraging young engineers to think beyond traditional boundaries and embrace innovative approaches to problem-solving and learning.

Awareness of Global Opportunities: Providing insights into the diverse range of global educational opportunities available, such as international exchange programs, collaborative research initiatives, and interdisciplinary projects.

**Skill Development**: Attendees gain insights into the skills and competencies needed to succeed in a globalized engineering industry, including technical skills, communication abilities, adaptability, and cross-cultural competence.

**Promotion of Innovation**: The lecture encourages attendees to embrace innovation and creativity in their educational pursuits and future careers, fostering a culture of innovation within the engineering community.

**Preparation for Global Challenges**: Attendees are better equipped to address global challenges through engineering solutions, such as sustainability, renewable energy, healthcare, and infrastructure development.

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Video Link:

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Department of Computer Science and Engineering

Expert Lecture on ""Innovation global education opportunities for young regimeers "

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Department of Computer Science and Engineering

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Department of Computer Science and Engineering

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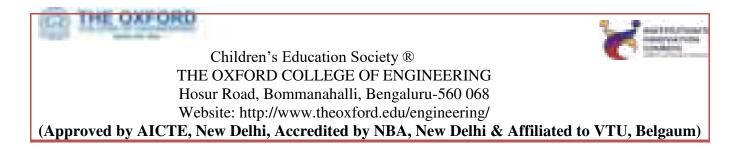
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### Workshopon "Design Thinking opportunities in Software Engineering"



#### Poster

The Oxford college of Engineering, Bengaluru- Institution Innovation Council Department of Information Science and Engineering organized a workshop on "Design Thinking opportunities in Software Engineering" by Mr Rakshith Venkatesh, Software Developer, Google Pvt Ltd.,Banagalore. He is a certified software developer with vast experience in software development. This seminar was organized on on3<sup>rd</sup> November 2023 from 10.00 AM and 4.00 PM. A total of 57 students attended the session. The event was organized with the prior permission and guidance of college authority. The speaker has explained the key stages and principles of design thinking in software engineering. The speaker also explained how students can utilize the various tools used in implementation of a software using design thinking and the career opportunities in it for students to take up their career. The speaker had vast knowledge in design thinking and software development.

interactive. By doing this workshop the students got an understanding of design thinking in software development.

Student's feedback: Students were satisfied with the content and the session.

**Faculty feedback:** The speaker discussed the questions with current technology trends with the students which will help the students for their placements. The overall the training was good.

### **OBJECTIVES:**

1. To introduce participants to the key principles of design thinking and its relevance in software engineering

2. To identify specific challenges in the software development process and explore potential solutions using a design thinking approach.

3. To foster cross-disciplinary collaboration and encourage creative problem-solving.

4. To provide participants with practical tools and techniques for incorporating design thinking into their software development practices.

### **OUTCOMES:**

1. Increased the understanding of design thinking principles.

- 2. User Centric challenges has been identified.
- 3. Enabled Creative problem solving and ideation.
- 4. Prototyping proficiency has increased.
- 5. Practical tool implementation was introduced.
- 6. Innovative solutions were presented.

### PHOTO COLLAGE



No. of Students participants: **48** No. of Faculties: **4** 

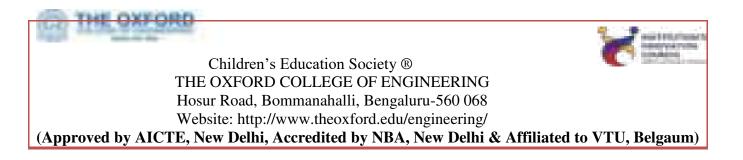
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### Expert talk on"Design Thinking and career opportunities in Power BI"



Poster

The Oxford College of Engineering

**Event Details** 

- Date: November 11, 2023
- Time: 10:00 AM Onwards
- Venue: 4th Floor Seminar Hall
- Department: Information Science and Engineering
- In Association With: Institution's Innovation Council (IIC)
- Resource Person: Ms.Varsha Lokesh, Power BI developer, Societe Generale Pvt Ltd, Bangalore.

### **OBJECTIVES:**

The workshop on Design Thinking and career opportunities in Power BI in Information science and engineering is meticulously crafted to inspire and equip participants with essential skills and knowledge. The key objectives include:

- 1. Introduce participants to the principles and significance of design thinking in problemsolving and innovation within the field of Information Science and Engineering, leveraging Power BI's capabilities for data-driven decision-making and insights generation.
- 2. Provide insights into the career opportunities and applications of Power BI in data analysis, visualization, and decision-making processes, empowering participants to harness its potential for impactful data-driven solutions.
- 3. Foster a deep understanding of the entrepreneurial ecosystem surrounding Power BI, highlighting the role of innovation in business development and market success, thereby enabling participants to explore entrepreneurial ventures leveraging Power BI.
- 4. Equip participants with practical skills and tools to navigate startup culture, incubation processes, and entrepreneurial endeavors within the realm of Power BI and data analytics, preparing them to leverage Power BI effectively in entrepreneurial ventures.
- 5. Cultivate entrepreneurial qualities such as creativity, adaptability, and resilience, essential for success in the dynamic field of Information Science and Engineering, and particularly in leveraging Power BI for innovative and impactful solutions.

### **OUTCOMES:**

Upon completion of the workshop on Design Thinking and career opportunities in Power BI in Information Science and Engineering, participants are expected to have gained:

- 1. A heightened understanding of the potential career opportunities in utilizing Power BI within the field of Information Science and Engineering, recognizing it as a valuable tool for data analysis and decision-making.
- 2. The ability to critically analyze data and leverage Power BI's capabilities to derive meaningful insights, enabling them to address real-world problems and make data-driven decisions.
- 3. Insights into the entrepreneurial journey within the context of Power BI, drawing on the experiences of successful practitioners and entrepreneurs in leveraging Power BI for business development and innovation.
- 4. A comprehensive view of the entrepreneurial landscape surrounding Power BI, including insights into incubation support, funding strategies, and business model formulation tailored to the data analytics domain.
- 5. Inspiration from success stories and case studies, fostering a mindset oriented towards innovation, sustainability, and ethical practices in utilizing Power BI for impactful solutions within Information Science and Engineering.

### PARTICIPATION

The workshop witnessed enthusiastic participation from:

- Students: 53
- Faculty Members: 4

### SOCIAL MEDIA LINKS:

https://m.facebook.com/story.php?story\_fbid=pfbid0p3KxFm1N29pLe4A7k3acDqr72Rbb HU6yUiEZN2AqWGUmgvkiBjPnmN7FetPffXCyl&id=100076261560657&mibextid=Nif5o

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### PHOTO COLLAGE



### List of attendees of the session



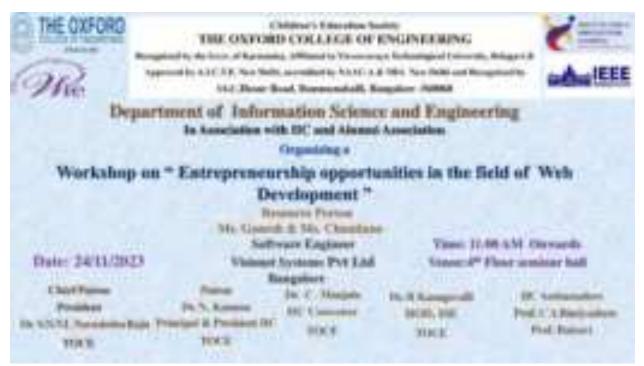


CHILDREN'S EDUCATION SOCIETY (REGD) THE OXFORD COLLEGE OF ENGINEERING Bommanahalli, Hosur Road, Bangalore – 68 080-30219601, Fax: 080-25730551, 30219629, Website: http://www.theoxford.edu/engineering/

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### Work shop Report on

### "Entrepreneurship opportunities in the field of Web Development"



The Oxford College of Engineering

Event Details

- Date: November24, 2023
- Time: 11:00 AM Onwards
- Venue: 4th Floor Seminar Hall
- Department: Information Science and Engineering
- In Association With: Institution's Innovation Council (IIC)

- Resource Person: Mr. Ganesh & Ms. Chandana, Software Engineer, Visionet Systems Pvt. Ltd., Bangalore.

### **OBJECTIVES**

The workshop is meticulously designed to cultivate entrepreneurship opportunities within the field of web development, tailored for aspiring engineers specializing in Information Science and Engineering. The key objectives are:

- 1. Enlighten participants about the pivotal role of innovation in the entrepreneurial ecosystem of web development, emphasizing its significance in driving business growth and market disruption.
- 2. Provide practical insights into the dynamics of startup culture specific to web development, including incubation processes, industry trends, and best practices for fostering innovation.
- 3. Impart comprehensive knowledge on the challenges and rewards inherent in web development entrepreneurship, covering critical aspects such as ideation, market validation, funding acquisition, scalability, and sustainability.
- 4. Foster the cultivation of entrepreneurial qualities such as resilience, creativity, adaptability, and strategic thinking, essential for navigating the competitive landscape of web development entrepreneurship and achieving sustainable success in Information Science and Engineering domains.
- 5. Empower participants with practical skills and tools necessary for web development entrepreneurship, including technical proficiency in web development frameworks, digital marketing strategies, user experience design principles, and effective project management methodologies, ensuring they are well-equipped to turn innovative ideas into successful ventures.

# OUTCOMES

Upon completion of the workshop on entrepreneurship opportunities in web development for Information Science and Engineering, participants are expected to have gained:

- 1. An enriched understanding of entrepreneurship within the context of web development, recognizing it as a viable career path brimming with innovation and growth potential.
- 2. Enhanced capabilities to assess market opportunities within the web development sector critically, enabling them to identify gaps and implement innovative solutions to real-world problems.
- 3. Deeper insights into the entrepreneurial journey specific to web development, from ideation to execution, drawing upon the experiences and best practices shared by successful entrepreneurs in the field.
- 4. A comprehensive grasp of the entrepreneurial landscape within web development, including an understanding of incubation support mechanisms, funding strategies tailored to the tech industry, and formulation of effective business models.
- 5. Inspiration from success stories of entrepreneurs in web development, fostering a mindset oriented towards continuous innovation, sustainable business practices, and ethical conduct, thereby equipping participants with the mindset and skills necessary to thrive in the dynamic world of web development entrepreneurship.

# PARTICIPATION

The workshop witnessed enthusiastic participation from:

- Students: 48
- Faculty Members: 4

This report captures the workshop's significance in shaping the entrepreneurial trajectory of young engineers at The Oxford College of Engineering. Emphasizing innovation, its objectives and outcomes reflect a commitment to nurturing a conducive environment for entrepreneurial growth. Through fostering innovation and practical insights, the workshop ensures a lasting impact on the technology sector's entrepreneurial landscape.

### Social Media Link:

https://m.facebook.com/story.php?story\_fbid=pfbid0voijYR3oLKwu4JXFQ4oVvT539FNNLss V77iHoRGqioLcdQrWqSxKj1fPim9ApKDrl&id=100076261560657&mibextid=Nif5oz

### Video Link:

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Website: <u>http://www.theoxford.edu/engineering</u>/ (Approved by AICTE, Accredited by NAAC A Grade& Affiliated to VTU, Belgaum) **DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING** 

Workshop Report on

# "Innovation And Design Thinking By Building interactive UIs with React Fundamentals"



Poster

Department of Information Science and Engineering, in association with IIC, The Oxford College of Engineering, Bangalore organized a workshop on "Innovation And Design Thinking By Building interactive UIs with React Fundamentals" on 11.05.2024(Saturday), 10:00 AM Onwards by Mr. Yogendra K, Software Engineer,KreditBee , Bangalore at ISE Seminar hall.

**OBJECTIVES:** 

The primary objective of the workshop on "Innovation And Design Thinking By Building interactive UIs with React Fundamentals" was to and guide undergraduate students and faculty members in recognizing and harnessing innovation and design thinking opportunities in the realm of technology and web development Fundamentals . The session, led by Mr. Yogendra, a distinguished engineer from KreditBee Technologies, aimed to:

1. Empower participants to grasp the fundamental principles of web development and its role in fostering innovative design solutions.

2. Facilitate hands-on exploration of web development, to cultivate a deep understanding and doing projects innovatively with entrepreneurial perspective.

3. Inspire creative problem-solving by integrating design thinking methodologies with development practices, encouraging participants to approach challenges with a fresh perspective.

4. Promote collaboration and knowledge exchange by providing a platform for participants to share insights, exchange ideas, and collaborate on design projects with innovation.

5. Encourage participants to leverage their newfound knowledge to address real-world challenges and opportunities, fostering a mindset of innovation and forward-thinking in design and development.

### **OUTCOMES:**

The workshop successfully achieved its objectives, as evidenced by the following outcomes:

1. **Deepened Understanding of Innovative Design**: Participants achieved a deeper understanding of innovative design principles, particularly in the context of web development fundamentals, fostering a solid foundation for future endeavors.

2. **Practical Application in Tech Solutions**: The session bridged theoretical knowledge with practical applications, empowering attendees to apply web development skills to real-world scenarios, thereby expanding their problem-solving capabilities beyond theoretical constructs.

3. **Inspired Design Thinking Approach**: Attendees were inspired to adopt a design thinking approach in their development process, drawing inspiration from real-world challenges and solutions discussed during the event.

4. **Fostering Entrepreneurial Mindset**: The workshop instilled an entrepreneurial mindset among participants, igniting their interest in leveraging web development to create innovative solutions and explore entrepreneurial opportunities in the tech industry.

5. **Empowered to Prototype Innovative Solutions**: Attendees left the event with the skills and confidence to prototype innovative solutions using web development, equipped with the tools to iterate, refine, and implement their creative ideas effectively.

6. **Seeding Future Innovators**: The event laid the groundwork for nurturing future innovators indesign and web development, inspiring participants to continue exploring innovative approaches and pushing the boundaries of design excellence.

### **PARTICIPATION:**

The session witnessed enthusiastic participation from approximately 40 students and 4 faculty members, indicating a strong interest in the subject matter and the speaker.

This workshop stands as a testament to The Oxford College of Engineering's commitment to fostering an environment of innovation. The insights and experiences shared by Mr. Yogendra, is expected to have a lasting impact on the participants, guiding them in their future endeavors in the realm of technology and innovation..

### SOCIAL MEDIA LINKS:

- 1. <u>https://www.facebook.com/share/p/TRGSjy7qFkf6rPqz/?mibextid=oFDknk</u>
- 2. https://www.youtube.com/watch?v=40EflDA9pwk

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# DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

# Workshop Report on

# "Critical Thinking and Problem Solving Using Selenium"



POSTER

Department of Information Science & Engineering in association with IIC, The Oxford College of Engineering, Bengaluru organized a workshop on Critical Thinking and Problem solving Using Selenium on 24.05.2024 (Friday), 10:00 AM Onwards by Ms. Bindyashree CA, Assistant Professor, Dept Of ISE, TOCE, Bangalore.

### **OBJECTIVES:**

The primary objective of the "Critical Thinking and Problem solving Using Selenium" workshop was to inspire and guide undergraduate students and faculty members in recognizing and harnessing innovation opportunities in the realm of problem solving and critical designing. The session, led by Ms. Bindyashree of ISE department ,isaimed to:

1. Highlight the role of critical thinking in mastering Selenium, teaching participants how to analyze and break down complex web automation tasks into manageable components.

2. Provide interactive sessions on problem-solving strategies within Selenium, guiding attendees through real-world scenarios that require innovative thinking and methodical troubleshooting.

3. Showcase the application of critical thinking in integrating Selenium with various testing frameworks and tools, demonstrating how to develop robust, scalable, and efficient automated testing solutions.

4. Encourage a proactive approach to identifying and solving common challenges in Selenium automation, fostering the development of strategic problem-solving skills and resilience in the face of testing issues.

5. Create opportunities for collaborative critical thinking and problem-solving exercises, enabling participants to share diverse perspectives, brainstorm solutions, and learn from industry experts and peers.

### **OUTCOMES:**

The Expert lecture successfully achieved its objectives, as evidenced by the following outcomes:

1. Enhanced Critical Thinking Skills: Participants developed a stronger ability to think critically about automation challenges, improving their capacity to deconstruct and solve complex problems using Selenium.

2. Practical Problem-Solving Experience: Attendees gained hands-on experience in applying problem-solving techniques to real-world scenarios, equipping them with practical skills directly applicable to their work in web automation.

3. Increased Proficiency with Selenium: The event significantly boosted participants' proficiency in using Selenium, enabling them to create more effective and efficient automated tests.

4. Strategic Approach to Automation: The workshop encouraged a strategic mindset in approaching automation tasks, teaching participants how to anticipate, identify, and resolve common issues methodically.

5. Enhanced Networking and Collaboration: The event facilitated valuable connections among students, faculty, and industry professionals, fostering a community of practice and collaboration that supports ongoing learning and innovation in test automation.

**Participation**: The session witnessed enthusiastic participation from approximately 41 students and 4 faculty members, indicating a strong interest in the subject matter and the speaker.

This expert talk stands as a testament to The Oxford College of Engineering's commitment to fostering an environment of innovation and entrepreneurship. The insights and experiences shared by Ms. Bindyashree are expected to have a lasting impact on the participants, guiding them in their future endeavors in the realm of critical thinking and Problem solving by innovative ideas.

### SOCIAL MEDIA LINKS:

- 1. https://www.facebook.com/photo?fbid=472001032018612&set=a.177418398143545
- 2. https://youtu.be/jWqt9N4Rw60

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Website: <u>http://www.theoxford.edu/engineering</u>/ (Approved by AICTE, Accredited by NAAC A Grade& Affiliated to VTU, Belgaum)

## DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

# Workshop Report on

# "Design Thinking Opportunities through various software tools and Algorithms"



### POSTER

Department of Information Science & Engineering in association with IIC, The Oxford College of Engineering, Bengaluru organized a workshop on Design Thinking Opportunities through various software tools and Algorithms on 28.05.2024 (Tuesday), 10:00 AM Onwards by Dr. R. Kanagavalli, Professor and Head, Dept Of ISE, TOCE, Bangalore.

### **OBJECTIVES:**

The primary objective of the " Design Thinking Opportunities through various software tools and Algorithms " workshop was to inspire and guide undergraduate students and faculty members in recognizing and harnessing design thinking opportunities in the realm of problem solving and technology. The session, led by Dr. R. Kanagavalli of ISE department, is aimed to:

1. Highlight the Role of Design Thinking in Mastering Software Tools and Algorithms: Teach participants how to apply design thinking principles to deconstruct complex software and algorithmic challenges into manageable, user-centric components.

2. Provide Interactive Sessions on Design Thinking Strategies within Software Development: Guide attendees through real-world scenarios that require creative ideation, prototyping, and iterative testing to develop innovative software solutions.

3. Showcase the Application of Design Thinking in Integrating Various Software Tools and Algorithms: Demonstrate how to employ design thinking to develop cohesive, user-friendly, and efficient software solutions by seamlessly integrating multiple tools and algorithms.

4. Create Opportunities for Collaborative Design Thinking Exercises: Enable participants to share diverse perspectives, brainstorm solutions, and learn from industry experts and peers through hands-on, collaborative design thinking workshops.

5. Facilitate the Exploration of Design Thinking in Enhancing User Experience and Interface Design: Guide participants in applying design thinking methodologies to improve the usability and overall user experience of software applications.

6. Encourage Continuous Learning and Adaptation through Design Thinking: Highlight the importance of an iterative approach, encouraging participants to continuously refine their software tools and algorithms based on user feedback and testing outcomes.

7. Foster a Culture of Innovation and Creativity: Cultivate an environment where participants feel empowered to think outside the box, experiment with new ideas, and drive innovation in software development through design thinking.

### **OUTCOMES:**

The Expert lecture successfully achieved its objectives, as evidenced by the following outcomes:

1. Enhanced Design Thinking Skills: Participants developed a robust ability to apply design thinking principles, improving their capacity to deconstruct and solve complex software and algorithmic challenges through user-centric approaches.

- Practical Design Thinking Experience: Attendees gained hands-on experience in using design thinking techniques in real-world scenarios, equipping them with practical skills directly applicable to their work in software development and algorithm design.
- 3. Increased Proficiency with Software Tools and Algorithms: The event significantly boosted participants' proficiency in utilizing various software tools and algorithms, enabling them to create more innovative and effective solutions.
- 4. Improved User Experience Design Skills: Participants improved their ability to design intuitive and engaging user interfaces, applying design thinking to enhance the overall user experience of their software applications.
- 5. Integration of Design Thinking in Agile and DevOps: Attendees learned how to incorporate design thinking into Agile and DevOps practices, promoting more effective collaboration, innovation, and efficiency in their development processes.
- 6. Fostering a Culture of Innovation: The workshop cultivated an environment where participants felt empowered to think creatively, experiment with new ideas, and drive innovation in their software development projects through design thinking.

**Participation**: The session witnessed enthusiastic participation from approximately 41 students and 4 faculty members, indicating a strong interest in the subject matter and the speaker.

This expert talk stands as a testament to The Oxford College of Engineering's commitment to fostering an environment of design thinking and innovation. The insights and experiences shared by Dr. R. Kanagavalli are expected to have a lasting impact on the participants, guiding them in their future endeavors in the realm of critical thinking and Problem solving by innovative ideas.

### SOCIAL MEDIA LINKS:

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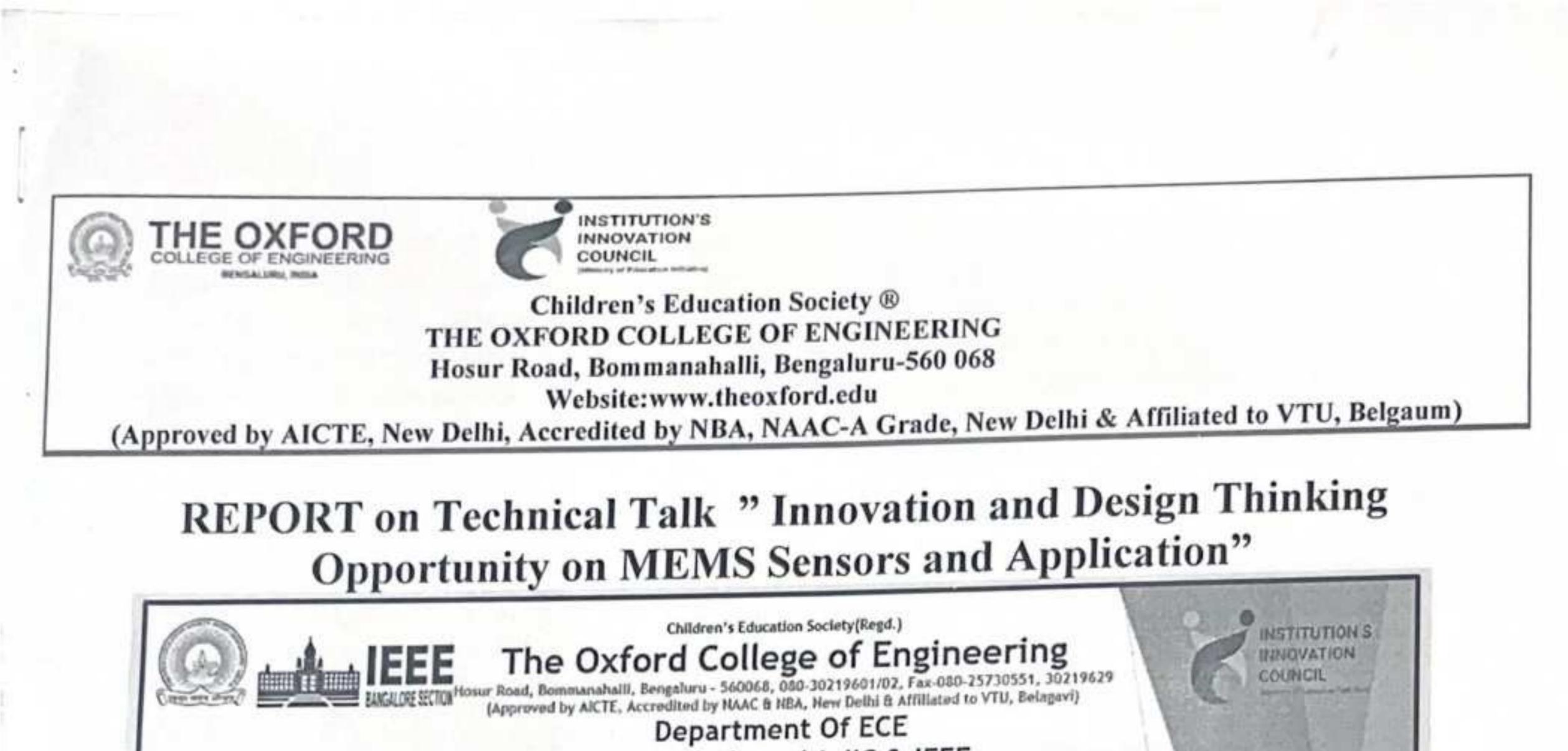
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In Association with IIC & IEEE Presents Technical Talk on "Innovation and Design Thinking Opportunity on MEMS Sensors and Applications"

# Resource Person Pradyumna J Scientist, Central Manufacturing Technology Institute, Bengaluru



# Date & Time

29.11.2023 (Wednesday) VENUE: 5th Floor Seminar Hall 11 AM- 1 PM

Chief Patron Dr. S.N.V.L Narasimha Raju CHAIRMAN The Oxford Educational Institutions, The Bangalore

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

Dr. Manju Devi HOD ECE The Oxford College of Engineering IEEE Branch Councellor Faculty Coordinator

Dr. Preeta Sharan DEAN RESEARCH The Oxford College of Engineering Dr. Gayathri H N IEEE Co-ordinator

Iffat Fatima, Assistant Professor Suchandana Mishra, Assistant Professor

The Oxford college of Engineering, Bengaluru- Institution Innovation Council in association with Department of Electronics & Communication Engineering organized a Technical talk on "Innovation and Design Thinking Opportunity on MEMS Sensors and Application" on 29<sup>th</sup> November 2023 at 11.00am in 5<sup>th</sup> floor Seminar hall offline mode.

# **Objectives of the Event:**

- To make the participants aware of various MEMS Sensors.
- To help the students to update gain knowledge in designing Sensor technologies which has improved everyday life of human being through their applications in almost all fields.
- To Learn modern MEMS Sensors and design using different methods.
- To provide exposure to the participants in gaining knowledge on concept and applications of sensor technology.



The resource persons started the presentation with the detailed about the MEMS Sensors and its Applications. He also explained about design thinking is an approach to innovation that produces more-comprehensive solutions than other process-improvement strategies. And also design thinking involves four main components: empathy, multidisciplinary thinking, rapid solutions deployment and continual improvement.students from various years participated in the activity of presentation. The session was great and motivates the students.

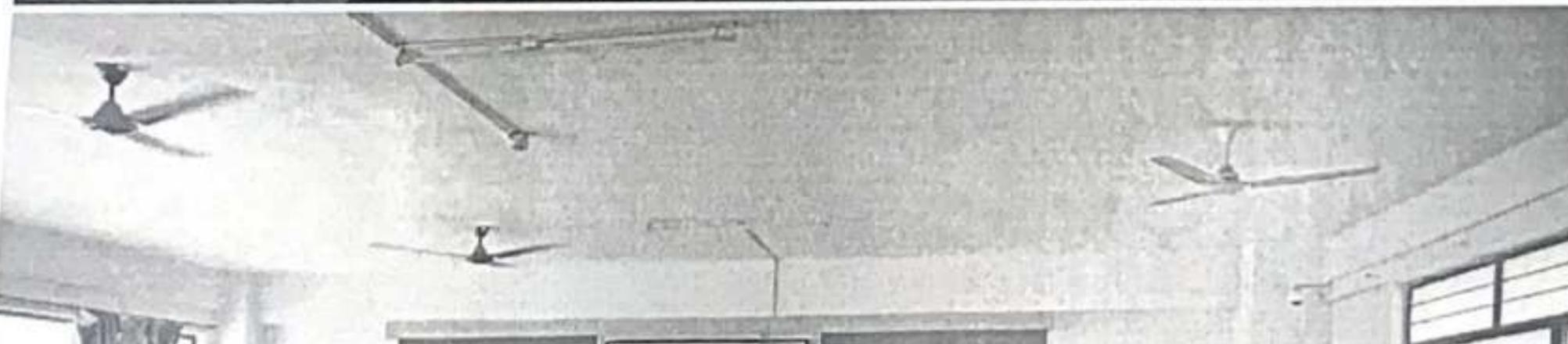
Around 50 students of various departments and 3 faculty members were participated in the above event. The event was very useful and encouraging for the students.



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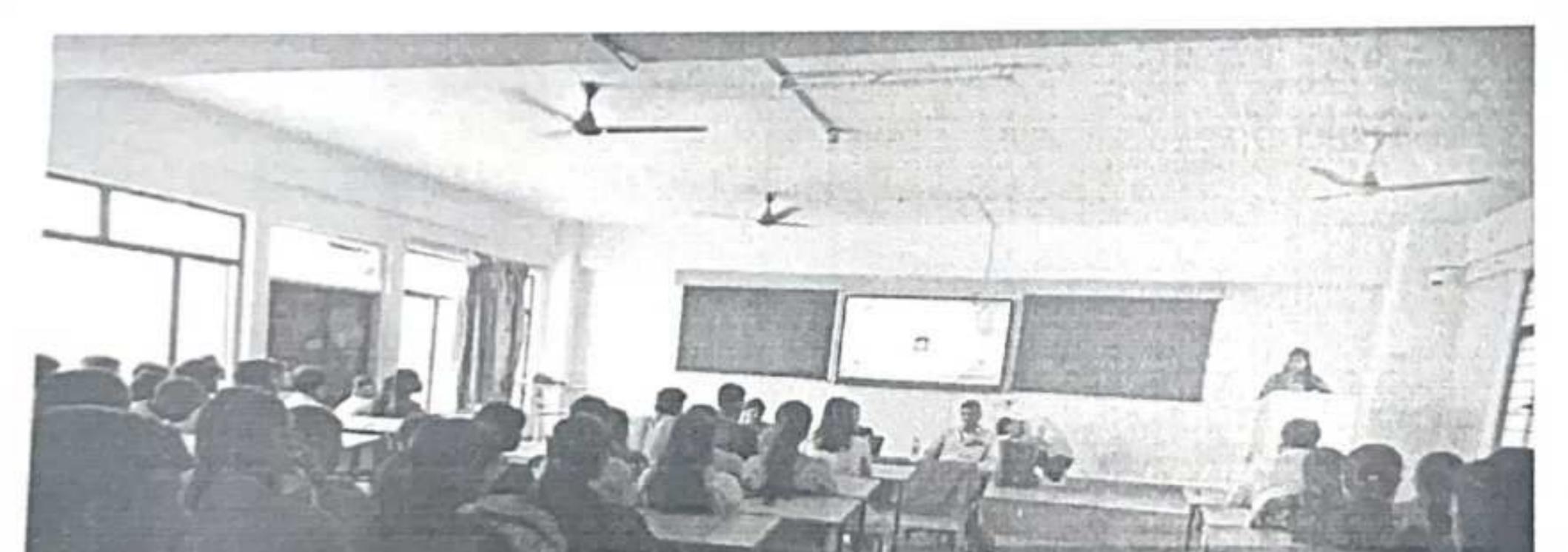
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# **Outcomes of the Event:**

The Participants are able to

- To aware of various MEMS Sensors.
- To help the students to update gain knowledge in designing Sensor technologies which has improved everyday life of human being through their applications in almost all fields.
- To Learn modern MEMS Sensors and design using different methods. ٠
- To provide exposure to the participants in gaining knowledge on concept and applications ٠ of sensor technology.

# **Recording Link:-**

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

**Department of Electronics & Communication Engineering** Technical talk on "Innovation and Deign Thinking Opportunityon MEMS Sensors and Applications"

on 29th November 2023 11.00 AM 1.00 PM

# **Attendance Sheet**

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| 4.        | Sudishna Chakeaborty | Student     | ECE        | S. Chakabory |
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| 6.        | Vaerhe. V            | Student     | ECE-3B     | Varihen      |
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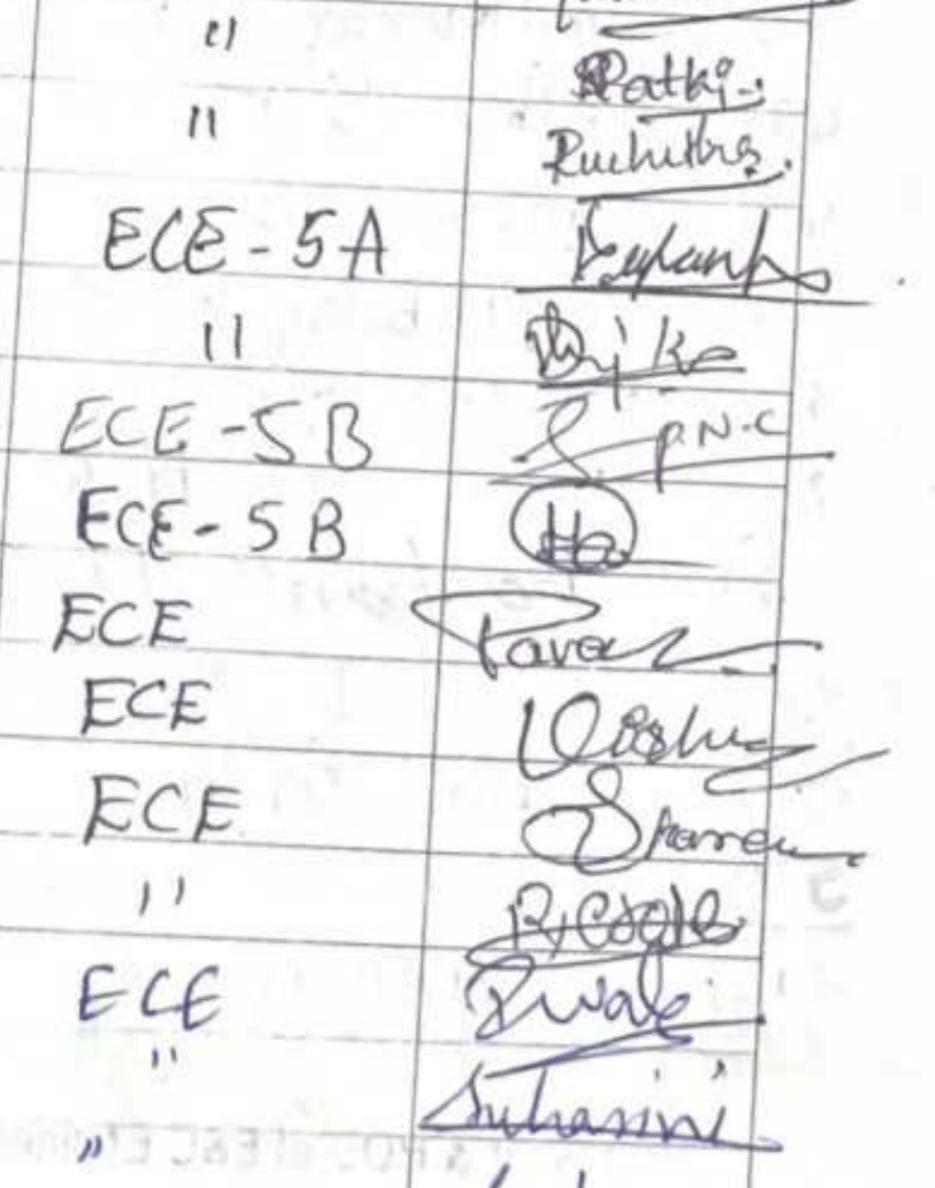
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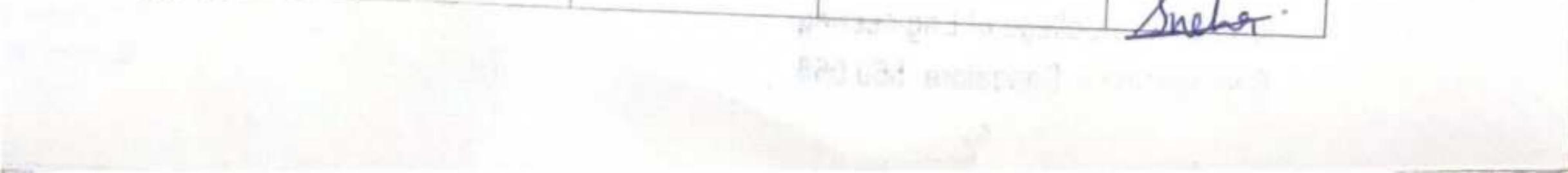
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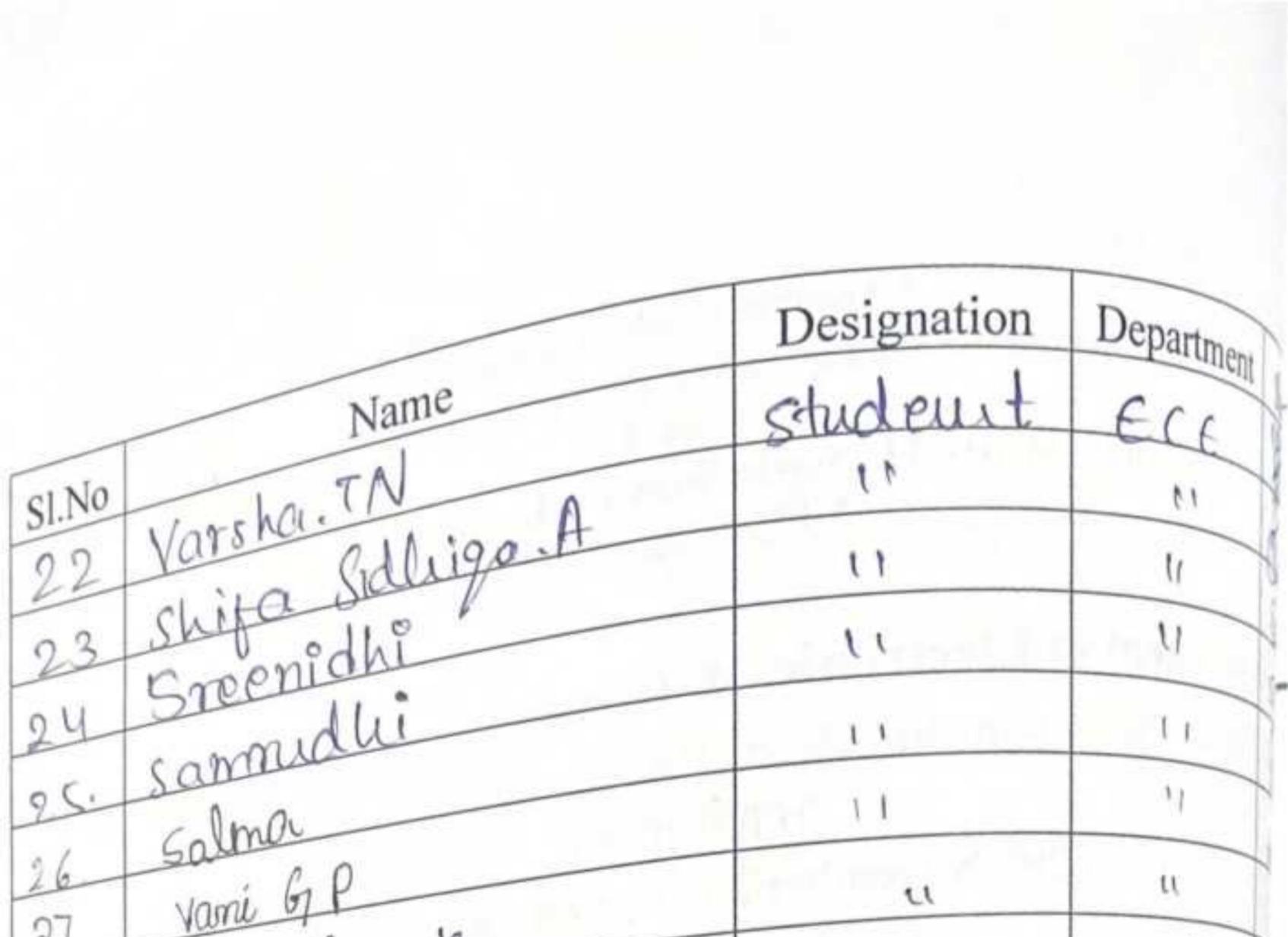
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# Department of Electronics and Communication Engineering

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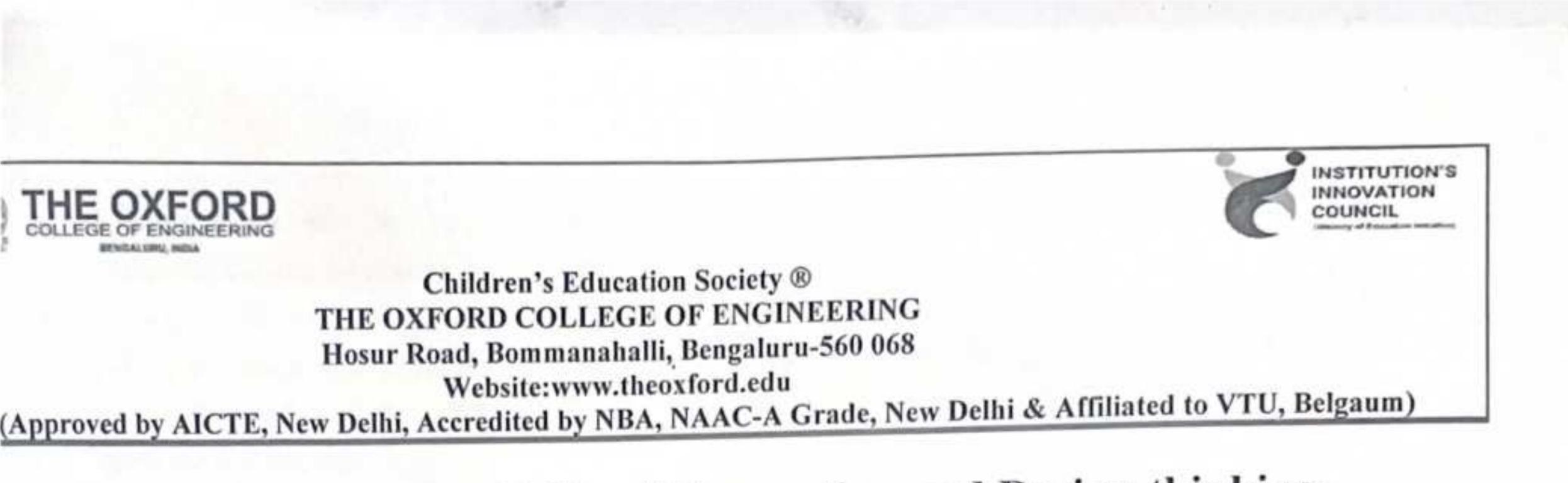
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# **REPORT** on Expert Talk on" Innovation and Design thinking **Opportunities Through Embedded Systems**"



The Oxford college of Engineering, Bengaluru- Institution Innovation Council in association with Department of Electronics & Communication Engineering organized a Expert Talk "Innovation and Design thinking Opportunities Through Embedded Systems " on 17th May 2024 at 11.00 am in ECE department smart board room 401 offline mode.

**Objectives of the Event:** 

- The main objective is to provide an Innovation and Design Thinking Opportunities on 2 embedded systems, including past and current solutions and present challenges.
- 2
- The goal of design thinking is to come up with solutions that are both resourceful and practical. To develop an advance innovation and growth mindset form of problem identification and reframing, foresight, hindsight and insight generation.
- To recognize and specify the best problem to solve and restate the problem as a function of its mutually exclusive and collectively exhaustive different dimensions.



- To motivate and educate the participants about an emerging area is that of embedded devices, and
- decision-making in real-time applications.
   To know the Challenges such as the necessity for fast and effective algorithms and the restricted resources available in embedded systems to cover the computational and storage demands need to be confronted to successfully integrate machine learning models into embedded systems.
- The resource persons started the presentation with the detailed about overview of the use of embedded systems, including past and current solutions and present challenges. He explained that the innovation means developing a new idea in coloration with the team members, identifying the need of customer. He further added emerging area is that of embedded devices, where innovative

need of customer. He further added emerging area is that of embedded derivery of the details of embedded derivery of the design is deployed to efficiently carry out tasks like data analysis, prediction, and decision-making in real-time applications. Students from various years were participated in the event. The session was great and motivates the students.

Around 72 students were participated in the above event. The event was very useful and encouraging for the students.

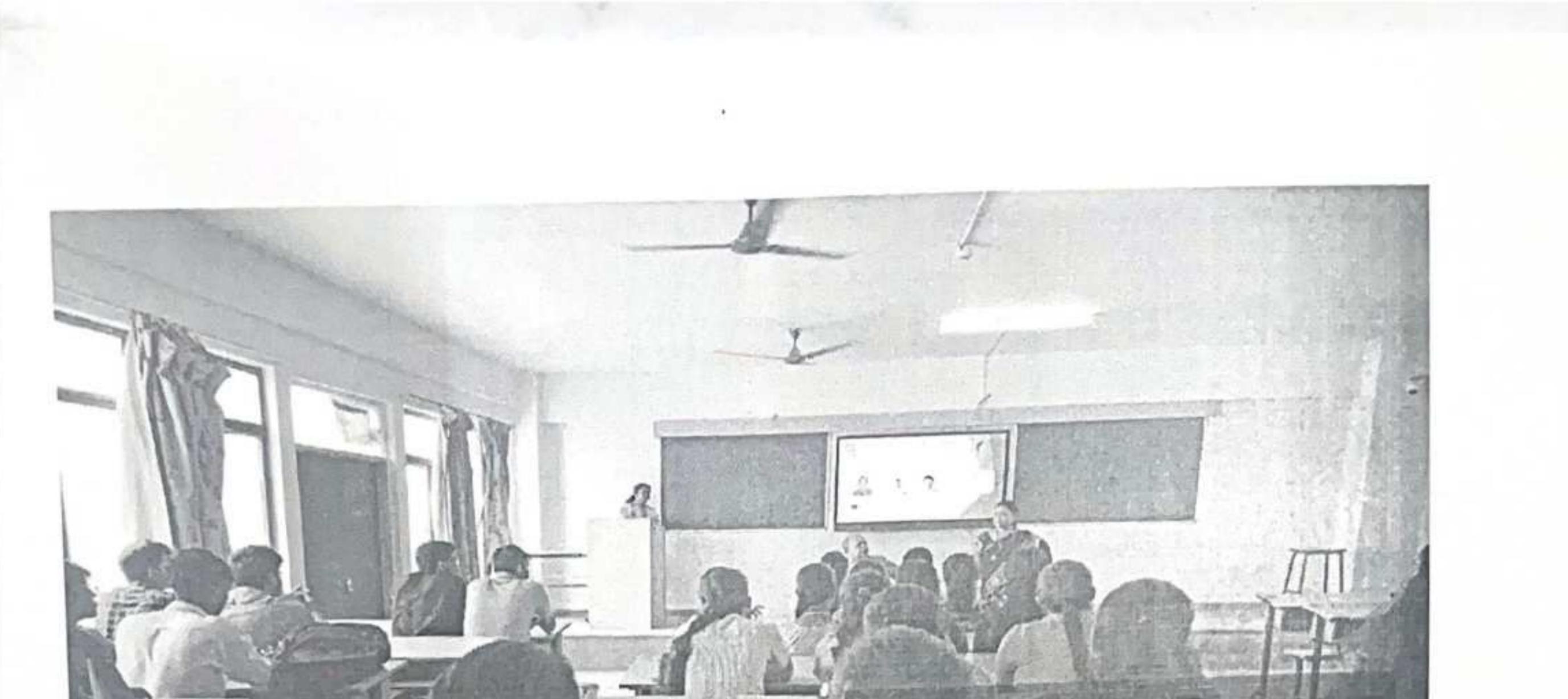


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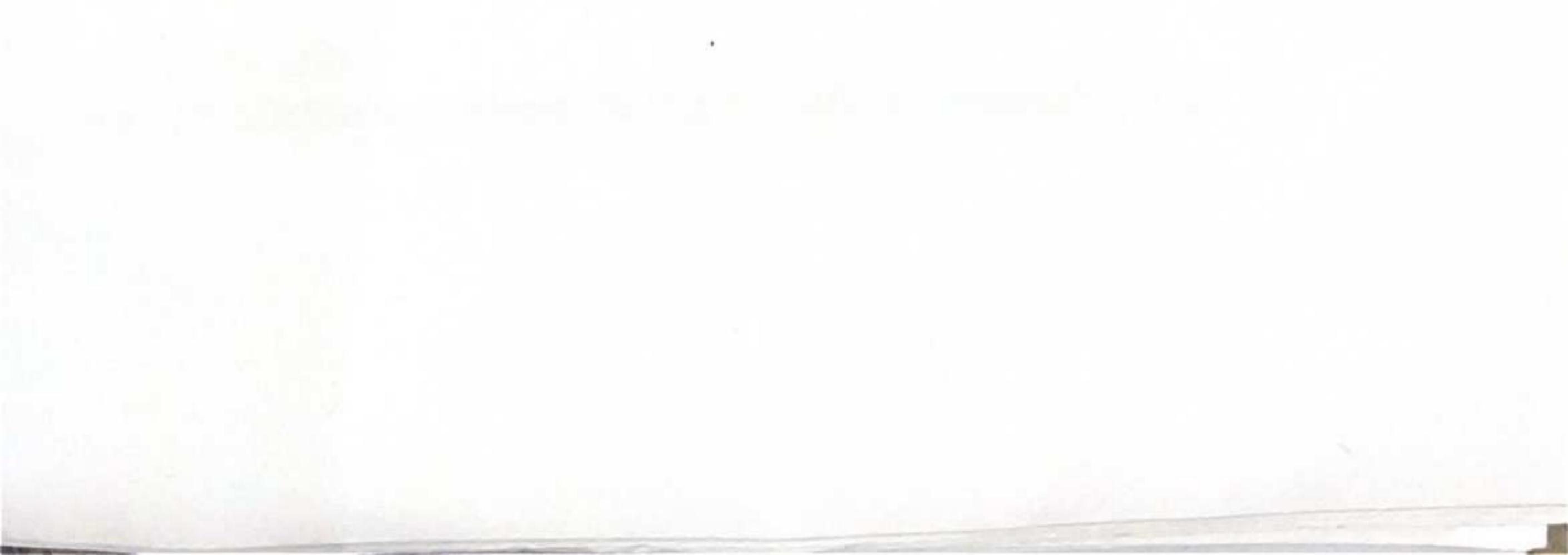
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# **Outcomes of the Event:**

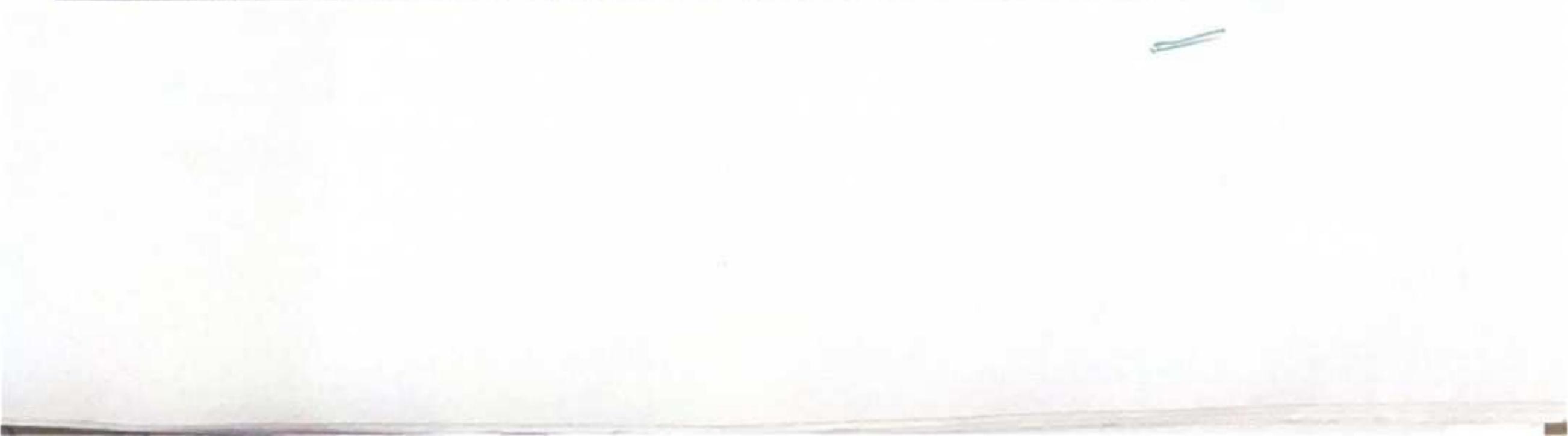
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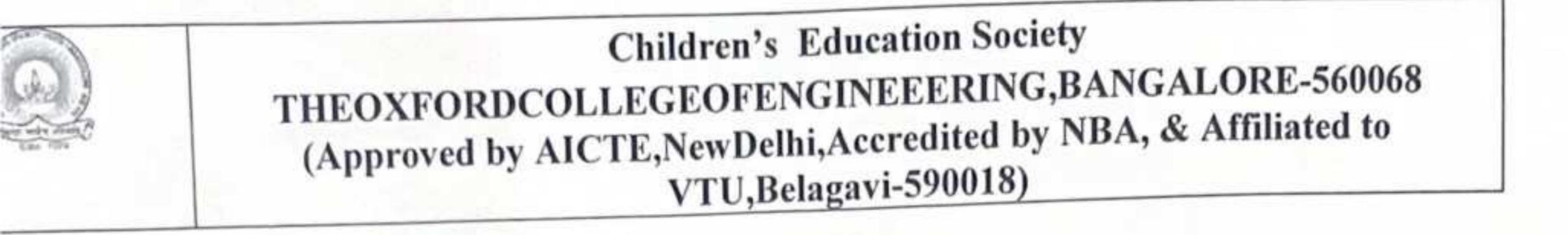
> To understand the Innovation and Design Thinking Opportunities in embedded

- systems, including past and current solutions, and present challenges.
- The goal of design thinking is to come up with solutions that are both resourceful and practical was achieved.
- Advance innovation and growth mindset form of problem identification and reframing, foresight, hindsight and insight were developed.
- The data analysis, prediction, and decision-making in real-time applications was understood.
- Familiarize the Challenges such as the necessity for fast and effective algorithms and the restricted resources available in embedded systems to cover the computational and storage demands need to be confronted to successfully integrate machine learning models into embedded systems.

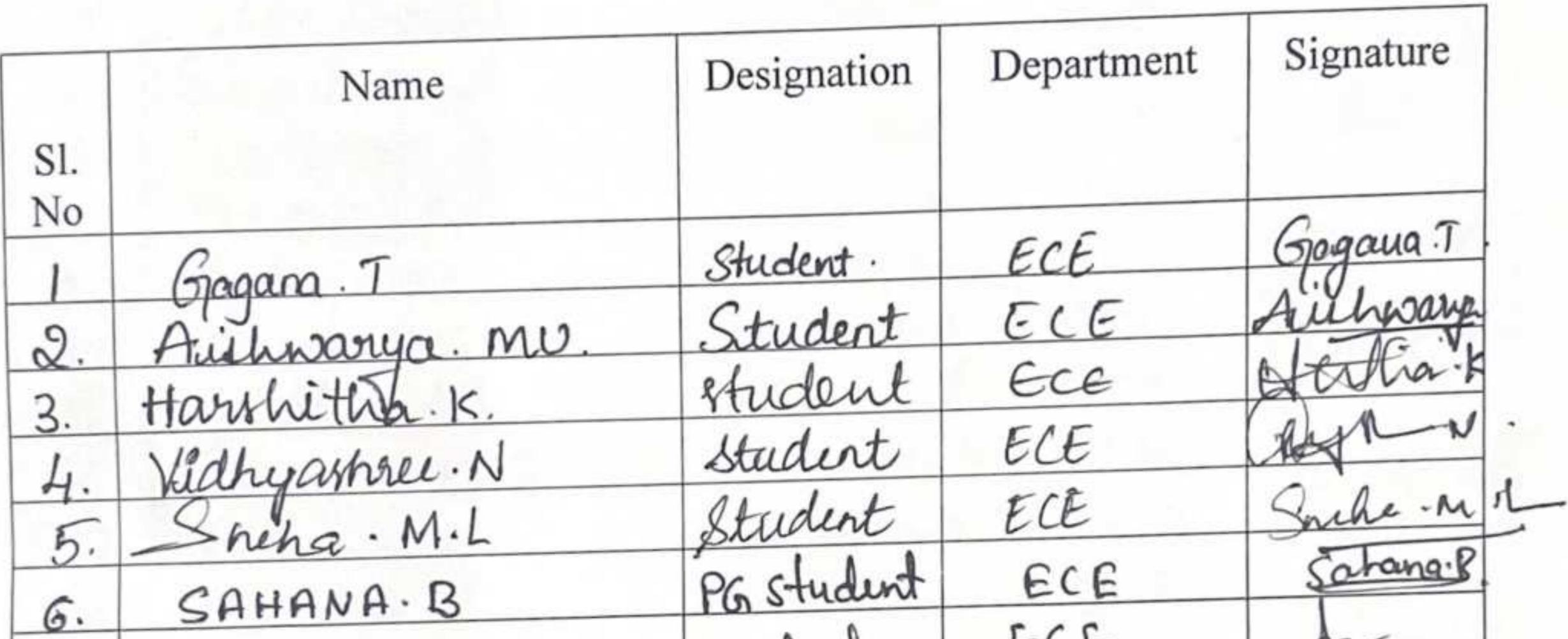
# Recording Link:- https://youtu.be/FvU1u hBjSQ

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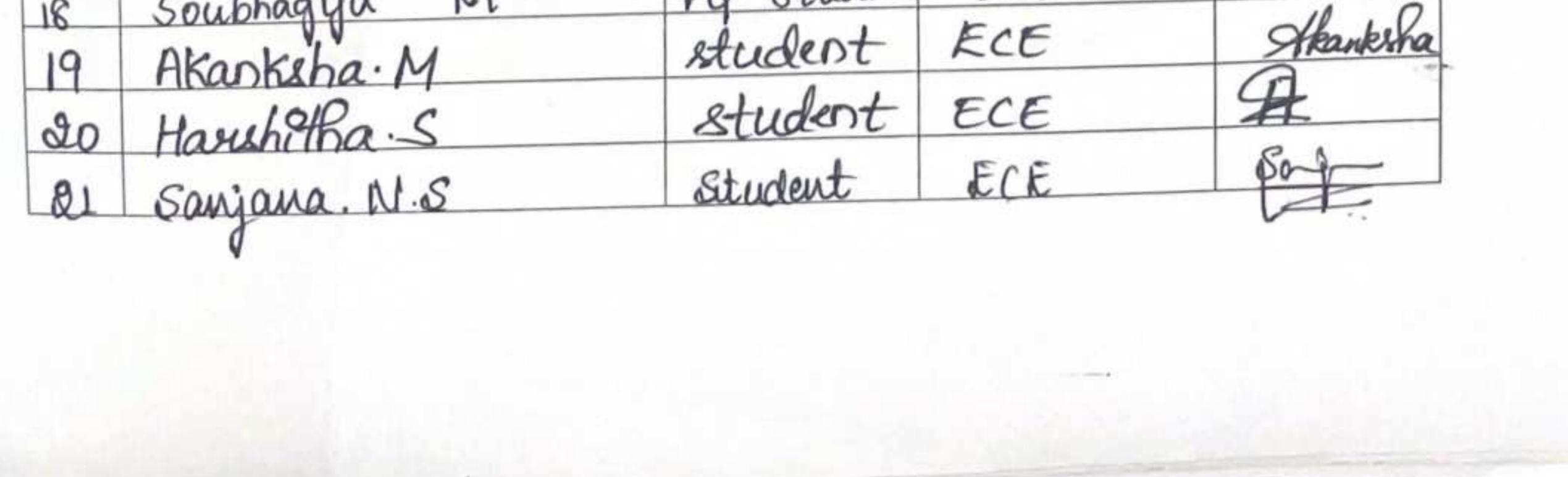




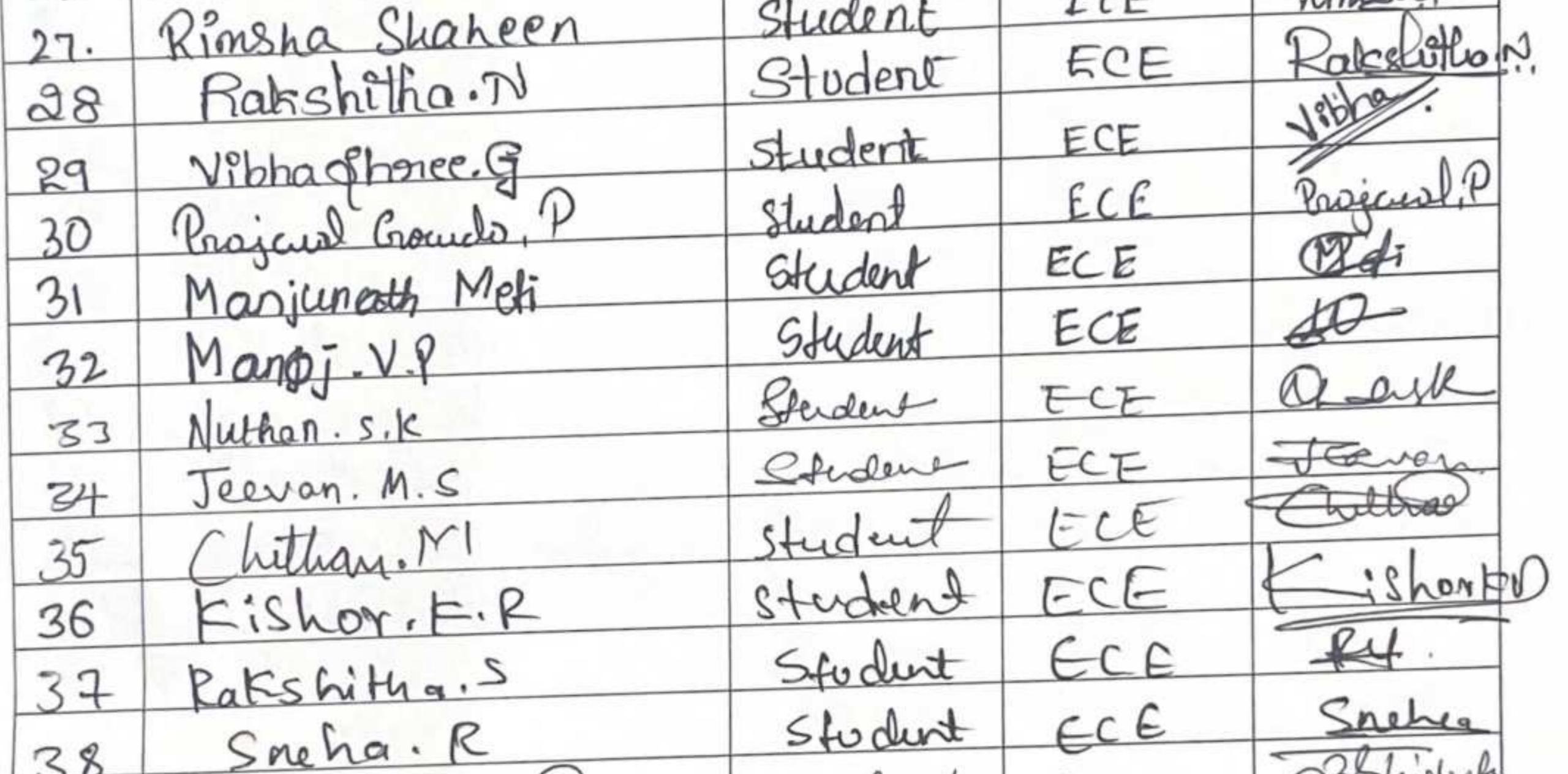
Department of Electronics & Communication Engineering Expert talk on "Innovation and Design thinking Opportunities Through Embedded Systems" on 17<sup>th</sup> May 2024 11.00 AM Attendance Sheet



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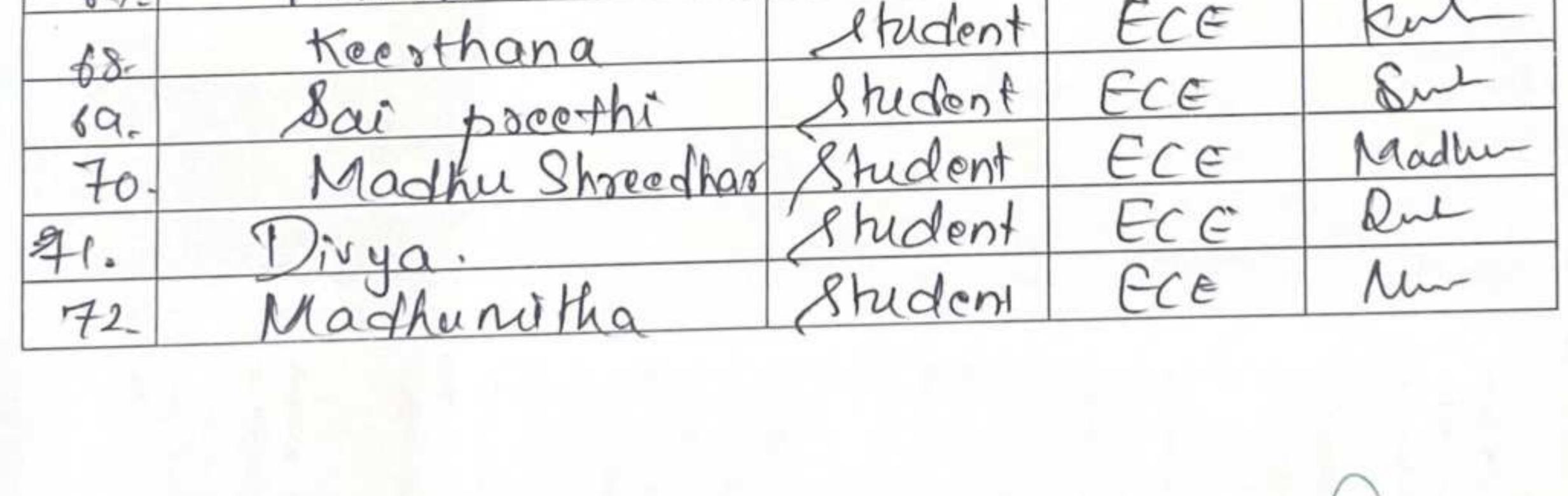


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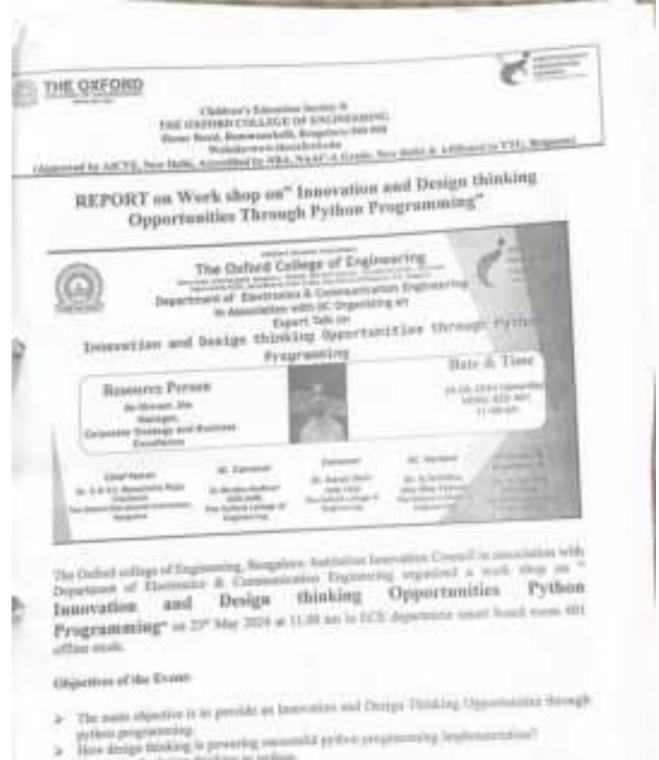
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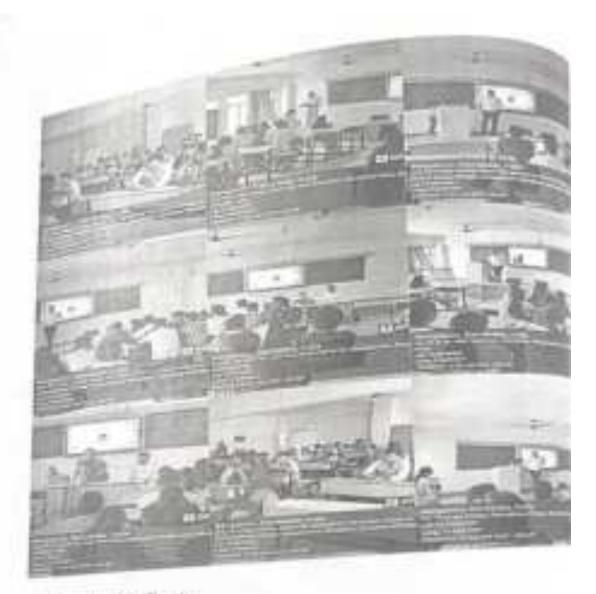
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# Outcome of the Result

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- Students are able to learn engineering design methodology for internation of for Advance innovation and growth mindom form of problem destination echanical, location, histologist and insight were developed.

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# Department of Electronics & Communication Engineering

Experi tolk on "Innovation and Dudge thinking Opportunities Through Python Programming" on 25" May 2004 11.00 AM.

# Attenilance Sheet

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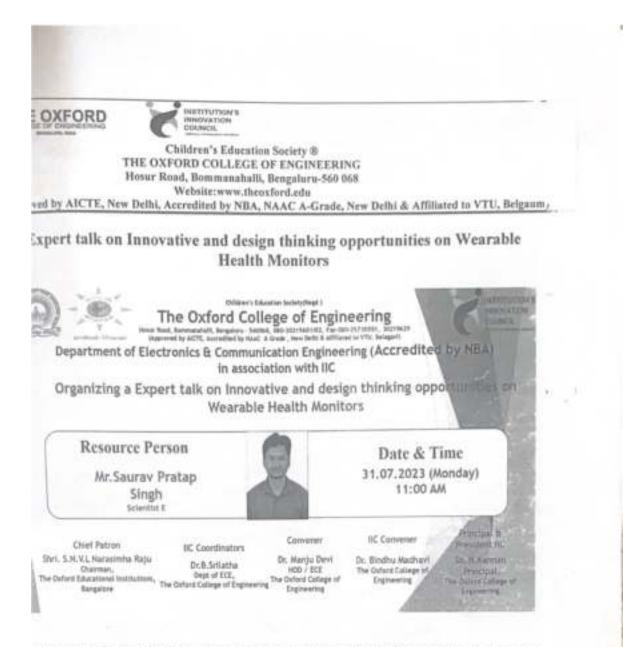
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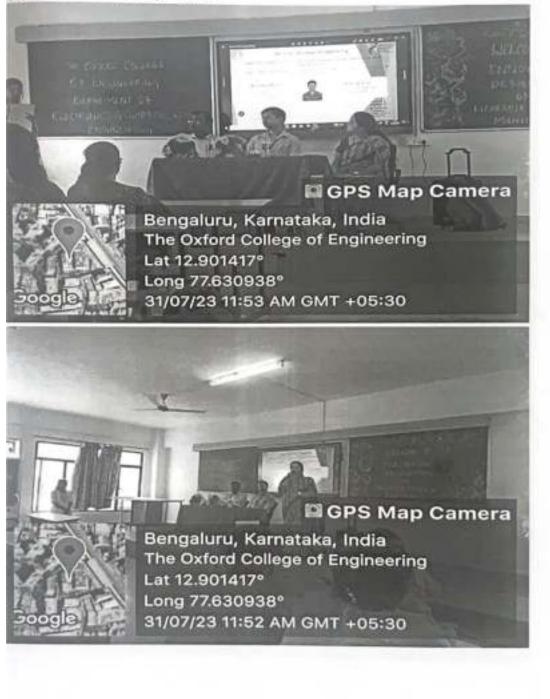


he Oxford College of Engineering, Bengaluru- Institution Innovation Council and IEEE in sociation with Department of Electronics & Communication Engineering organized an " "xpert talk on Innovative and design thinking opportunities on Wearable lealth Monitors" by Mr.Saurav Pratap Singh Scientist E on 31st june 2023 11.00 AM at CE Seminar Hall Room no: 405.

bjectives of the Event:

- To make the participants aware of various Wearable Health Monitors.
- To help the students to update gain knowledge in designing Wearable Health Monitors.
- To Learn modern Health Monitors and design using different tools.
- · The participants learnt about the different Health Monitoring systems.

se resource persons started the presentation with the detailed about the Wearable Health onitors. He also explained about design thinking is an approach to innovation that produces ore-comprehensive solutions than other process-improvement strategies. And also design inking involves four main components: empathy, multidisciplinary thinking, rapid solutions ployment and continual improvement.



He explained Wearable healthcare technology such as health monitoring devices worn on the body, such as the wrist, to help monitor the wearer's health data. He further explained Most Common Wearable Devices in Healthcare and in detail about these devices they are Activity and Fitness Trackers, Smartwatches, ECG Monitors, Blood Pressure Monitors, Pregnancy Monitors, Skin Patches with Embedded Biosensors, Smart Clothing or Integrated Activewear, Smart Contact Lenses and Glasses. The session was great and motivates the students.

Around 44 students of the entire department along with faculty members attended the meeting. The session was very useful and encouraging for the students.

#### Outcomes of the Event:

The Participants are able to

- · To aware of various Wearable Health Monitors.
- · To update gain knowledge in designing Wearable Health Monitors.
- To learn modern Health Monitors and design using different tools.
- · To learn about the different Health Monitoring systems.

Presentation videos link:-

https://youtu.be/idfdFmEtSRA

# Seminar Attendance:

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# Department of Electronics & Communication Engineering

Expert talk on "Innovative and design thinking opportunities on Wearable Health Monitors"

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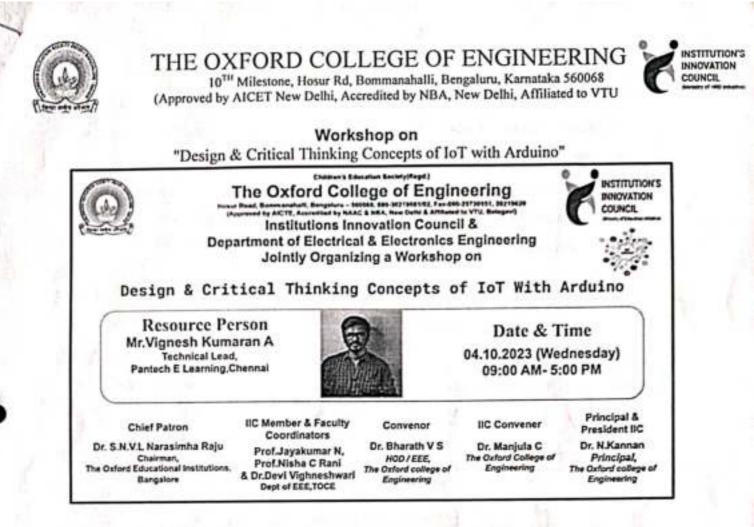
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On 319 July 2023 11.00 AM

# Attendance Sheet

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The Oxford College Of Engineering Bengaluru – Institutions Innovation Council in association with Department of Electrical and Electronics Engineering organized a workshop titled "Design & Critical Thinking Concepts of IoT With Arduino" by Mr. Vignesh Kumaran. A, on 04.10.2023 from 09:00 AM -5:00 PM in offline mode.

In this interactive and engaging workshop, participants will delve into the fascinating world of the Internet of Things (IoT) While exploring the principles of design thinking and critical thinking. Through hands on experience with arduino, a versatile microcontroller platform, participants will learn how to harness IoT technologies to solve real world problems, foster creativity and develop a critical mindset.

Venue: 5th floor Room No N 513 & Lab , New Building TOCE EEE

## **OBJECTIVES:**

- · To have an better understanding about IoT Fundamentals
- To get familiarization of Arduino Platform
- To get knowledge about the various sensors, actuators and to understand its interfacing with IoT
- Hands on Training was also given in IoT simulator ×.

The Key Concepts Covered in the workshop:

- Introduction to IoT
- Introduction to Embedded C Software
- Introduction to Arduino Coding
- Introduction to Sensors and also sending data to cloud

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| Session | Time        | Class Topics  |
| 1       | 930-1030    | INTRODUCTION TO IOT  IIISTORYOF IOT OVERVIEW APPLICATIONS ARDUINO ARCHITECTURE  |
| H       | 1030-1130   | INTRODUCTION TO SOFTWARE<br>BASICS OF EMBEDDED C AND SOFTWARE INSTLATION<br>INTRODUCTION TO IOT AND BASICS CODES<br>CREATE CLOUED ACCOUNT |
| 8.423   | 11.30-11.45 | Break   |
| ш       | 11.45-1.00  | INTRODUCTION TO ARDUINO CODING<br>• CONNECTING ARDUINO TO MONITOR<br>• ARDUINO BASIC PROGRAMMING<br>• LED BLINKING<br>• BUZZER            |
| (1).13F | 1.00-2.00   | Lunch Brenk   |
| īv      | 2.00-3.00   | INTRODUCTION TO SENSORS<br>IR SENSOR<br>FIRE SENSOR   |
| v       | 3.00-04.15  | NENDING BATA TO CLOUD<br>• THINGSPEAK SETUP<br>• WRITING DATA TO CLOUD  |

#### **Resource Details:**

VIGNESH KUMARAN A

Mobile no: 9940811630

Mail id : vigneshkumaran1626@gmail.com

West Mambalam, Chennai - 17

## Specialization:

- Embedded System
- Internet of Things & Computer Vision

#### Education:

- M.E in Embedded System, KEC. 2020
- B.E (ECE) under Anna University, 2017

#### **Technical Skills:**

Industry Knowledge: Computer Vision, Machine Learning, Deep Learning & IOT Software Tools: Anaconda Navigator, Python IDLE, Arduino IDE, Proteus, MATLAB Languages Known: C, html, css, JavaScript, Python and Embedded C Library and Framework: OpenCV, TensorFlow, Pytorch, CUDA. Hardware: BCI Sensor, ESP32/8266, Arduino, Raspberry Pi and Robotics

#### Work Experience:

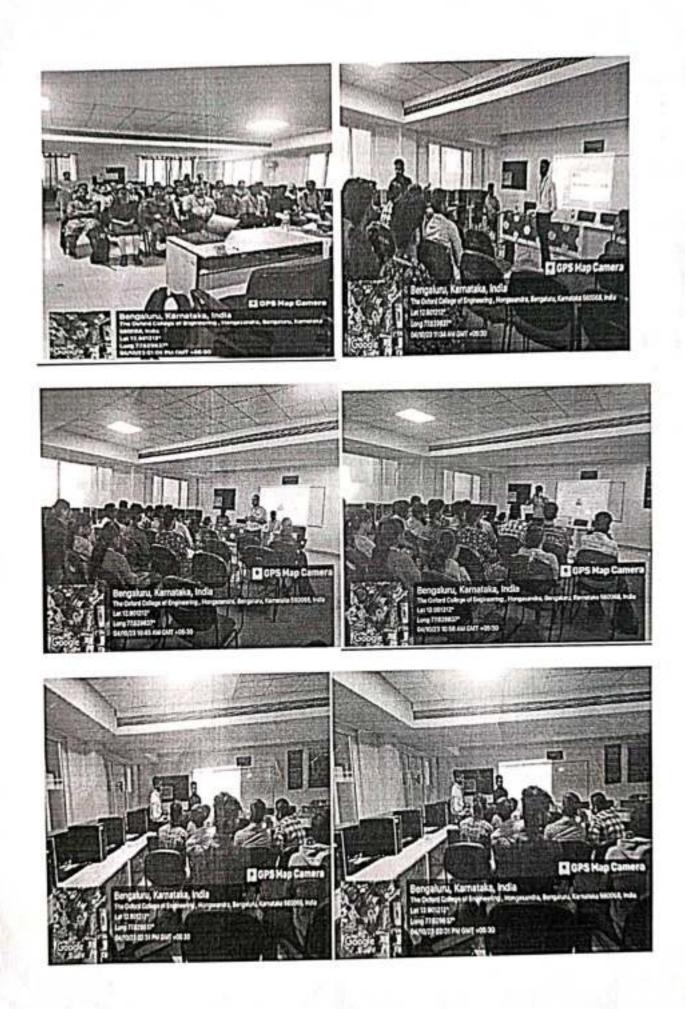
- Technical Lead, Pantech E Learning, Jan 2023 till date Provide technical expertise and guidance to the team
- Lead the team, fostering collaboration and growth.
   Manage projects, from objectives to timelines.
- IOT Engineer, Pantech E Learning, Aug 2020 Dec 2022
- Deep Learning Engineer, Pantech E Learning, May 2019 Aug 2020
- Computer Vision Intern, Pantech E Learning, Jan '19 April '19

#### **Recording link:**

#### https://youtu.be/Fh5AoZ6dyKY

<u>Facebook Link:</u> <u>https://m.facebook.com/story.php?story\_fbid=pfbid02ekZmZj4XD8JoZ3sS</u> <u>GvnFffyspw7r8pxNm1sGKKQbkoisZaq2QbBbKfhMEgdJRVqKl&id=100</u> 076261560657&mibextid=Nif5oz

No of Students participated = 40 Facultier = 08.



# Outcomes of the workshop:

The workshop "Design & Critical Thinking Concepts of IoT with Arudino" was mainly focussing on the Design opportunities and steps in designing various sensors and actuators. Students could learn about how to do small projects interfacing IoT, Cloud and other sensors. Also Arudino coding and Embedded C were introduced. Students got an exposure to innovation and Design ideas through the hands on training session. Mu Held H. Jo The participants are able to

To identify the different opportunities in the area IoT.

 To get knowledge on various Sensors, Actuators, Programming of Arduino and Embedded C

To develop design ideas in the smart automation using IoT

Faculty Coordinator

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

President IIC PRINCIPAL The Oxford College of Engineerin Bommanahalli, Hosur Road Bengeluru-560 068



## THE OXFORD COLLEGE OF ENGINEERING

10<sup>TH</sup> Milestone, Hosur Rd, Bommanahalli, Bengaluru, Karnataka 560068 (Approved by AICET New Delhi, Accredited by NBA, New Delhi, Affiliated to VTU



Workshop on "Innovation & Design Thinking Opportunities in Physical Layout Design For Logic Gages"

| O<br>In   | The Oxfor<br>Institut<br>Department of E<br>Org<br>novation & Desi  | rd College of Er<br>tions Innovation Co<br>Electrical & Electron<br>anizing a Worksho<br>gn Thinking Op<br>ut Design For | ngineering<br>buncil &<br>nics Engineering<br>p on<br>oportunities i | INSTITUTION:<br>INNOVATION<br>COUNCIL  |
|---|---|--|--|--|
| Resource<br>Mr.Sa<br>Design E<br>Mediatek, I  | gar D<br>Ingineer   | Contraction of the second  | Date &<br>18.11.2023 (<br>10:00 AM o                                 | Saturday)  |
| CHIEF PATRON<br>Dr.S.N.V.L. Narasimba<br>Baju<br>Dhairman,<br>The Oxford Group of<br>Distinctions,<br>Bangalore | BC Member & Faculty<br>Coordinators<br>Prof Sandta TL<br>Prof Stohe C Ras<br>& Dr.Dent Vignessbean<br>Dept of EEE, TOCE | Convenor<br>Dr. Bharath V S<br>HOD / EEE,<br>The Oxford college of<br>Engineering  | BC Convener<br>Dr. Marguia C<br>The Caford College of<br>Engineering | Principal &<br>President BC<br>Dr. N.KANNAN<br>Principal<br>The Oxford college of<br>Engineering |

The Oxford College Of Engineering Bengaluru – Institutions Innovation Council in association with Department of Electrical and Electronics Engineering organized a workshop titled "Innovation & Design Thinking Opportunities in Physical Layout Design for Logic Gates" by Mr. Sagar D, on 18/11/2023 from 10:00 AM -4:00 PM in offline mode.

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

## **OBJECTIVES:**

This workshop aims at fostering creativity, problem solving, and skill development in the field of digital circuit design.

- To provide a solid understanding of the fundamental concepts of logic gates, including their types, functions and applications.
- To familiarize participants with the basics of physical layout design for logic gates, covering topics such as transistor – level design, placement and routing.
- To encourage participants to think creatively about innovative approaches to logic gate design. This could involve exploring alternative circuit topologies, novel materials, or unconventional design paradigms.

innovation side.

 A hand on Training was also given in Cadence Virtuoso – A comprehensive suite of tools for analog and digital IC design. It Includes a powerful simulation environment that can be used for logic gate simulation, layout design and verification

Cadence Virtuoso is a comprehensive suite of tools widely used in the semiconductor and electronics industry for designing and verifying custom integrated circuits. It is a part of the cadence design systems portfolio and is particularly popular for analog and mixed signal IC design. Virtuoso environment provides a feature rich and user friendly design environment for creating custom IC layouts and schematics. It supports both analog and digital design, making it suitable for a wide range of applications. The tool allows designers to create and edit electronic schematics. Engineers can use Virtuoso's schematic editor to capture the functional aspects of their circuits Virtuoso supports physical layout design, enabling designers to create the actual chip layout based on the schematic. This includes placing and routing transistors and other components to meet performance and reliability requirements. The suite includes simulation tools for various analysis types, such as analog, digital, mixed-signal, and RF simulations. Designers can perform pre-layout and post-layout simulations to validate their designs and ensure they meet specifications. Virtuoso includes tools for parasitic extraction, which helps in understanding and mitigating the effects of parasitic elements in the layout. It also supports the generation of models for simulation at different levels of abstraction. Virtuoso provides capabilities for physical verification to ensure that the layout adheres to design rules and constraints. This is crucial for avoiding manufacturing issues and ensuring the manufacturability of the chip. Virtuoso is often integrated with other Cadence tools and EDA (Electronic Design Automation) tools, creating a seamless workflow for IC design. This integration includes tools for digital design, custom IC design, and verification.

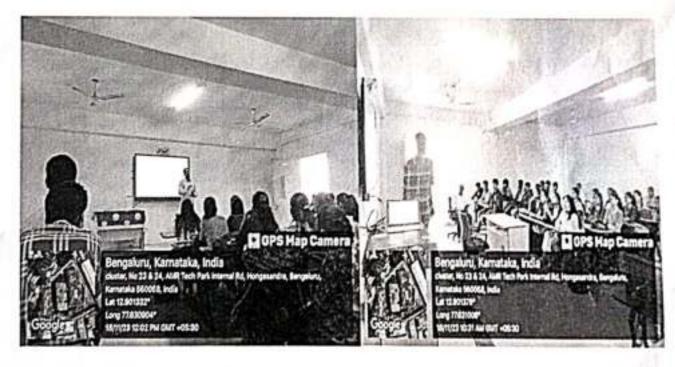
It was an interactive session. The workshop was attended by 34-participants including 8faculties.

The Key Concepts Covered in the workshop:

- Logic Gates fundamentals.
- Physical Layout Design Basics.
- Innovative Circuit Topologies
- Emerging Technology Integration
- Prototyping and Simulation /

- Industry Insights
- Optimization Metrics
- Simulation of all basic and Universal gates
- Networking and collaboration opportunities





# Resource Person Details:

Mr. Sagar D Design Engineer Mediatek, Bangalore

Mr Sagar D is a graduate in Electronics Engineering from the Department of EEE ,The Oxford College of Engineering from 2021 batch. He has done his masters in VLSI Design and Embedded Systems from RV College of Engineering , Bangalore . Currently he is working as a Design Engineer in Mediatek , Bangalore. MediaTek is a global fabless semiconductor company that enables more than 2 billion consumer products.

#### Recording link:

## https://youtu.be/ F8V-7FXaTI Facebook link: https://www.facebook.com/100076261560657/posts/pfbid02WRtB7H9p2nJqF226rh7sW vA2G22vw5eErEtopF1VxQrH698Y1H22d7e7tGuRmPxCl/?app=fbl Outcomes of the Workshop:

The workshop "Innovation & Design Thinking Opportunities in Physical Layout Design for Logic Gates" aim to empower participants with a holistic skill set, combining technical knowledge with a creative and innovative mind-set, positioning them well for success in the field of physical layout design for logic gates. Students got an exposure to innovation and Design ideas through the hands on training session.

The participants are able to

 Participants should gain proficiency in physical layout design, understanding how to translate logical schematics into practical and optimized physical layouts for logic gates.

- Develop participants' creative thinking skills by encouraging them to explore innovative approaches to logic gate design. This may involve unconventional circuit topologies, materials, or integration of emerging technologies.
- Gain hands-on experience using simulation tools for prototyping and validating logic gate designs. Participants should be able to simulate and analyse the performance of their designs before implementation.
- Develop skills in optimizing logic gate layouts based on key performance metrics, such as speed, power consumption, and area.

**Faculty Coordinator** 

HOD/EEI IIC convener

Professor & Head EEE The Oxford College of Engg Bommanahalli, Hosur Road Pag 1072 - 590 - 368

President IIC

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



# CHILDREN'S EDUCATION SOCIETY (REGD) THE OXFORDCOLLEGE OF ENGINEERING



Bommanahalli, Hosur Road, Bangalore – 68 080-30219601, Fax: 080-25730551, 30219629, Website: <u>http://www.theoxfordengg.org/</u>Email: <u>engprincipal@theoxford.edu</u> Estd.1974 (Approved by AICTE, Accredited by NAAC & NBA, New Delbi & Affiliated to VTU, Belgaum)

# Department of Electrical & Electronics Engineering

&

# Institutions Innovation Council

# Organizing a Workshop on

# "Innovation & Design Thinking Opportunities in Physical Layout Design For Logic Gates"

## Attendance Sheet

Date: 18-11-2023 (Saturday)

Time: 10:00 AM - 04:00 PM

| SI.No    | Name                 | USN ·        | Dept | Signature  |
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| 9.       | Lishanth. J.R        | 101022EE014  | EEE  | lishant    |
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# Department of Electrical & Electronics Engineering

## Institutions Innovation Council

## Organizing a Workshop on

# "Innovation & Design Thinking Opportunities in Physical Layout Design For Logic Gates"

## Attendance Sheet

Date: 18-11-2023 (Saturday)

Time: 10:00 AM - 04:00 PM

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| 2.    | Bhavya. G       | 10X22 EE005   | EEE         | Course       |
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CHILDREN'S EDUCATION SOCIETY (REGD) THE OXFORDCOLLEGE OF ENGINEERING Bommanahalli, Hosur Road, Bangalore - 68 080-30219601, Fax: 080-25730551, 30219629, Website: http://www.theoxfordengg.org/Email: engprincipal@theoxford.edu (Approved by AICTE, Accredited by NAAC & NBA, New Delbi & Amilated to VTU, Belgaum)



Department of Electrical & Electronics Engineering & Institutions Innovation Council

## Organizing a Workshop on

# "Innovation & Design Thinking Opportunities in Physical Layout Design For Logic Gates"

## Attendance Sheet

Date: 18-11-2023 (Saturday)

Time: 10:00 AM - 04:00 PM

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# THE OXFORD COLLEGE OF ENGINEERING

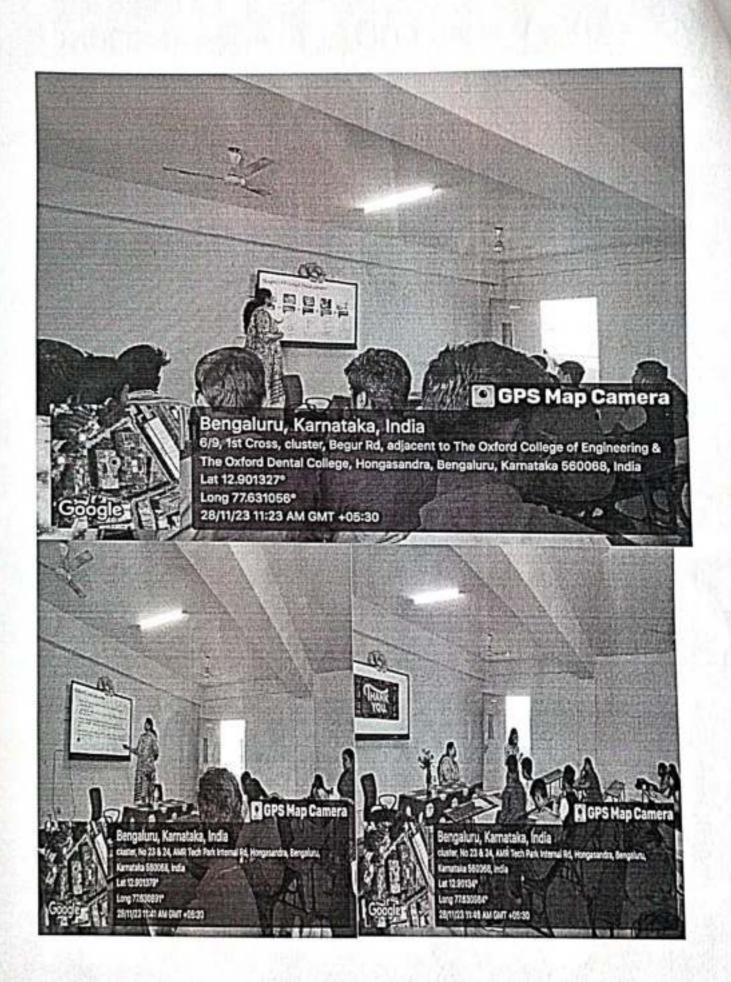
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## Guest Lecture on "Recent Trends in Sustainable Energy(Solar Rooftop)"

|  | The Oxford Colle<br>Department of Electrical<br>Organizing a G          | uest Lecture on   | 82 - C  |
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| Recer  | t Trends in Su<br>(Solar Ro   |   | ergy  |
| Resource I<br>Dr. Shru   | thi   | 28.11.202   | & Time  |
| Technical Project<br>ARKA Energy Pvt Lto                       | Manager<br>I, Bangalore   |   | 1 - 12:30 PM<br>Seminar Hall                                      |
| CHIEF PATRON<br>SNVL Narasimha Raju                            | Faculty Coordinators  | Convenor  | Principal   |
| Chairman,<br>The Oxford Group of<br>Institutions,<br>Bangatore | Prof Resne S R<br>Prof Resne S R<br>Prof Resne S R<br>Dept of EEE, YOCE | Dr. Bharath V S<br>HOD / EEE,<br>The Oxford college of<br>Engineering | Dr. N.KANNAN<br>Principal,<br>The Oxford college o<br>Engineering |

The Department of Electrical and Electronics Engineering of The Oxford College of Engineering, Bangalore conducted a guest lecture titled "Recent Trends in Sustainable Energy(Solar Rooftop)"" on 28/11/2023 from 11:00 AM - 12:30 PM. The guest speaker is Dr.Shruthi, Technical Project Manager, ARKA Energy Pvt. Ltd, Bangalore Venue: 4<sup>th</sup> floor, Seminar Hall, New Building, TOCE.





#### **OBJECTIVES:**

- To enhance the knowledge of students in sustainable Energy Source
- To understand concept of Solar Rooftop

Sustainable energy include considerations of environmental aspects such as greenhouse gas emissions and social and economic aspects such as energy poverty. Renewable energy sources such as wind, hydroelectric power, solar, and geothermal energy are generally far more sustainable than fossil fuel sources. Energy sources differ from their main competitor, fossil fuels, in several important ways. The energy from fossil fuels resides in chemical bonds embodied in matter, enabling fossil fuels to be stored above ground, or left underground until needed. On the other hand, RE energy (except for bioenergy and to some extent for geothermal energy) exists only as flows—so RE energy not used is lost forever, and with it the chance to reduce carbon emissions.

But RE has important advantages over fossil fuels. As shown earlier, there are two major question marks over the future of fossil fuels. First, there are doubts about how long present, let alone increased production levels, can be maintained at anywhere near present unit costs. Second their combustion produces the long-lived major greenhouse gas, CO<sub>2</sub>, much of which

will remain in the atmosphere for thousands of years.

Finally, the combustion products NOx, SOx, and particulates produce serious air health problems, particularly in the densely populated megacities of the world. While RE sources can also produce GHGs and air pollutants, their emissions output per unit of energy are far smaller than for fossil fuels.

Roof top solar energy is the energy generated by panels installed on the roof of a house, a business, or a factory to produce electricity and solar thermal energy. In most cases, house systems do not use all of the energy generated by the panels, it creates Superabundance.

Solar roof top panels rely on photovoltaic cells within the panels to absorb the energy emitted by the sun and converts it into electricity. These cells are made of conductive materials like silicon, acting as a semiconductor.

- Saving on bills. While regular electricity is powered through fuel across the country, it becomes an expensive ordeal, especially with rising fuel prices.
- Accessibility

- Low maintenance.
- Reduced carbon footprint
- Green Business

## **Resource Person Details:**

Dr.Shruthi,

Technical Project Manager,

ARKA Energy Pvt. Ltd, Bangalore

Dr.Shruthi, V has done her Graduation in instrumentation technology from RNSIT, Bangaluru .She has done Post Graduation in power electronics BMSCE, Bangaluru. She is a Doctorate in solar irradiance modelling and data analysis ,done in Central Power Research Institute, Bengaluru.

Currently she is working as a technical project manager in power conversion engineering department.

Her interested research topics are dc-dc converters, digital electronics, power electronics simulation and modeling, applications of power electronics converter in renewable energy, solar forecast modelling and data analysis.

#### Kooapp link:

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#### Facebook link:

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linkedin link

https://www.linkedin.com/posts/the-oxford-college-of-engineering-bangalore-92634394\_toce-a-guest-lecture-on-recent-trends-in-activity-7135225549169324032-0EBp?utm\_source=share&utm\_medium=member\_ios

#### Outcomes of the guest lecture:

The guest lecture titled "Recent Trends in Sustainable Energy(Solar Rooftop)" was mainly focussing on brief history of sustainable Energy Source and prior art and presented various

technologies involved in Solar Rooftop. Solar Rooftop concept was discussed.. This session will be useful to the students and Faculty for their research.

The participants are able to

- Understand the concept of sustainable Energy Source ٠
- Explain the concept of Solar Rooftop.

**Faculty Coordinators** 

Professor & Head EEE Bommanahalli, Hosur Road Bangalore-560 068

Principal

PRINCIPAL The Oxford College of Enc The Oxford College of Engineering Bommanahalli, Hosur Road Bendaloru-580 PS8

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# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

# Guest Lecture on "Recent Trends in Sustainable Energy(Solar Rooftop)"

# DATE: 28-11-2023

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# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

# Guest Lecture on "Recent Trends in Sustainable Energy(Solar Rooftop)"

## DATE: 28-11-2023

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# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

# Guest Lecture on "Recent Trends in Sustainable Energy(Solar Rooftop)"

#### DATE: 28-11-2023

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|---|--|---|---|----------------|
| "Innovation & I<br>D                              | Design Thinking<br>evelopment for          | Seminar on<br>Opportunities<br>Web and Mobile   | in the area of I<br>Application"                | Usor Interface |
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| Resource<br>Mr.Bikash<br>Engineering<br>Komprise, | Pattnaik<br>Manager,                       | Q.  | 13.01.2024 (<br>10:00 AM c                      | Saturday)      |

The Oxford College Of Engineering Bengaluru – Institutions Innovation Council in association with Department of Electrical and Electronics Engineering organized a seminartitled "Innovation & Design Thinking Opportunities in the area of User Interface Development for Web and Mobile Application" by Mr BikashPattnaik, on 13/01/2024 from 10:00 AM onwards in offline mode.

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

#### OBJECTIVES:

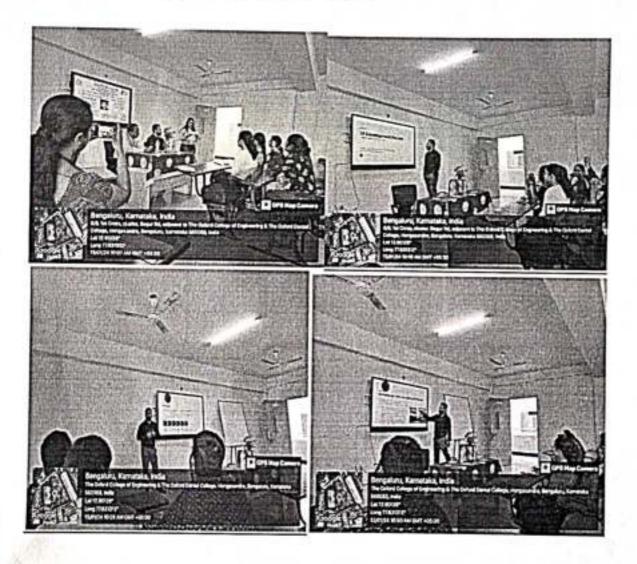
This seminar aims at

- Investigate the latest trends in UI development for web and mobile applications.
- Explore emerging technologies, design patterns, and interaction models.
- Embrace a user-centric design thinking approach to empathize with users and involve them in the design process
- Explore opportunities to enhance consistency and coherence in UI design across different platforms (web, iOS, Android).
- Focus on optimizing the performance of UI elements to provide a smooth and responsive user experience.

It was an interactive session. The seminar was attended by 54 participants including 4 faculties.

The Key Concepts Covered in the workshop:

- Importance of UI/UX in Modern Applications
- · Trends in UI Development
- Innovative Interaction Models
- Performance Optimization Strategies
- Gamification and UI Engagement
- Security and Privacy in UI Development
- Understanding the Business Impact of UI/UX



CHILDREN'S EDUCATION SOCIETY (REGD) THE OXFORDCOLLEGE OF ENGINEERING Bommanahalli, Hosur Road, Bangalore – 68 080-30219601, Fax: 080-25730551, 30219629, Website: http://www.thcoxfordengg.org/Email: engprincipal@thcoxford.edu Estd 1974 (Approved by AICTE, Accredited by NAAC & NBA, New Delhi & Affiliated to VTU, Belgaum)



## Department of Electrical & Electronics Engineering Se.

## Institutions Innovation Council

#### Organizing a Seminar on

## "Innovation & Design Thinking Opportunities in the area of User Interface Development for Web & Mobile Application"

#### Attendance Sheet

Date: 13-01-2024 (Saturday)

Time: 10:00 AM Onwards

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## Department of Electrical & Electronics Engineering &

## Institutions Innovation Council

## Organizing a Seminar on

## "Innovation & Design Thinking Opportunities in the area of User Interface Development for Web & Mobile Application"

## Attendance Sheet

Date: 13-01-2024 (Saturday)

Time: 10:00 AM Onwards

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## Department of Electrical & Electronics Engineering

#### Institutions Innovation Council

#### Organizing a Seminar on

## "Innovation & Design Thinking Opportunities in the area of User Interface Development for Web & Mobile Application"

#### Attendance Sheet

Date: 13-01-2024 (Saturday)

Time: 10:00 AM Onwards

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## Department of Electrical & Electronics Engineering &

## Institutions Innovation Council

## Organizing a Seminar on

## "Innovation & Design Thinking Opportunities in the area of User Interface Development for Web & Mobile Application"

## Attendance Sheet

Date: 13-01-2024 (Saturday)

Time: 10:00 AM Onwards

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#### **Resource Person Details:**

Mr.BikashPattnaik is a graduate in Computer science Engineering.He has worked as Engineer, Web App at i-nable Solutions Pvt. Ltd in 2010,Senior Software Engineer at MindTree Ltd in 2011, Senior Software Engineer at Wipro Technologies in 2012, Software Development Engineer at McAfee from 2012 to 2015, Senior Software Engineer at FireEye, Inc from 2015 to 2017. Currently he is working as Engineering Manager at Komprise,Bangalore

#### Recording link:

## https://drive.google.com/file/d/1BIyKqWwi5qGRXtVNyMvoCrIstxGufhsl/ view?usp=sharing

#### Facebook link:

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#### Twitter Link:

https://twitter.com/TheOxfordColle2/status/1747624834819883326?s=20

#### Outcomes of the Seminar:

The Seminar on "Innovation & Design Thinking Opportunities in the area of User Interface Development for Web and Mobile Application" aims to increase awareness among participants about the importance of innovation and design thinking in the field of User Interface (UI) Development.Encourage the generation of innovative ideas for improving UI/UX in web and mobile applications.Help participants identify existing challenges and opportunities in UI development.Share real-world case studies that demonstrate the positive outcomes of incorporating innovation and design thinking.Promote a culture of continuous learning and adaptation to industry changes.

#### Also,

Participants will explore and experiment with innovative interaction models, including technologies such as voice commands, augmented reality, and gesture-based interfaces

Participants will be equipped with knowledge on designing scalable UI solutions that can adapt to future technological advancements.

The seminar will encourage participants to adopt a culture of continuous learning, providing resources and strategies for ongoing skill development in UI development.

Participants will recognize the direct impact of effective UI/UX on user satisfaction, retention, and overall business success.

**Faculty Coordinator** 

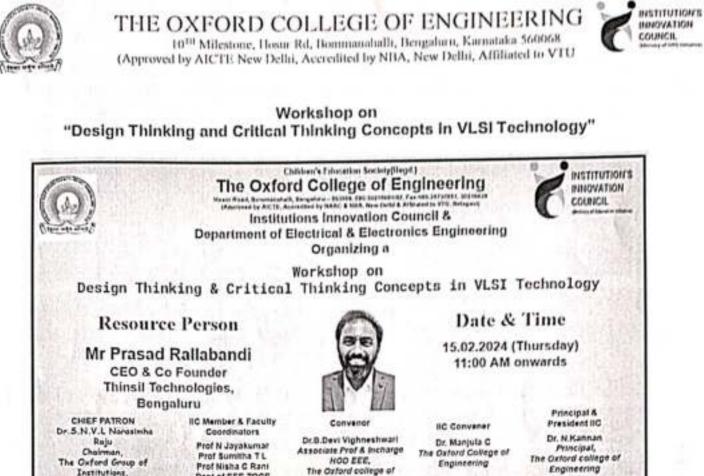
HOD/ EEE

**IIC Convenor** 

President IIC

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

PRINCIPAL ....e Oxford College of Engineering Bommanchalk/Hosur Road Bengaluru-860 068



The Oxford College of Engineering, Bengaluru – Institutions Innovation Council in association with Department of Electrical and Electronics Engineering organized a workshop titled "Design Thinking and Critical Thinking Concepts in VLSI Technology" by Mr. Prasad Rallabandi on 15 02-2024 from 11:00 AM - 01:00 PM in offline mode.

Engineering

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

Dept of EEE, TOCE

#### **OBJECTIVES:**

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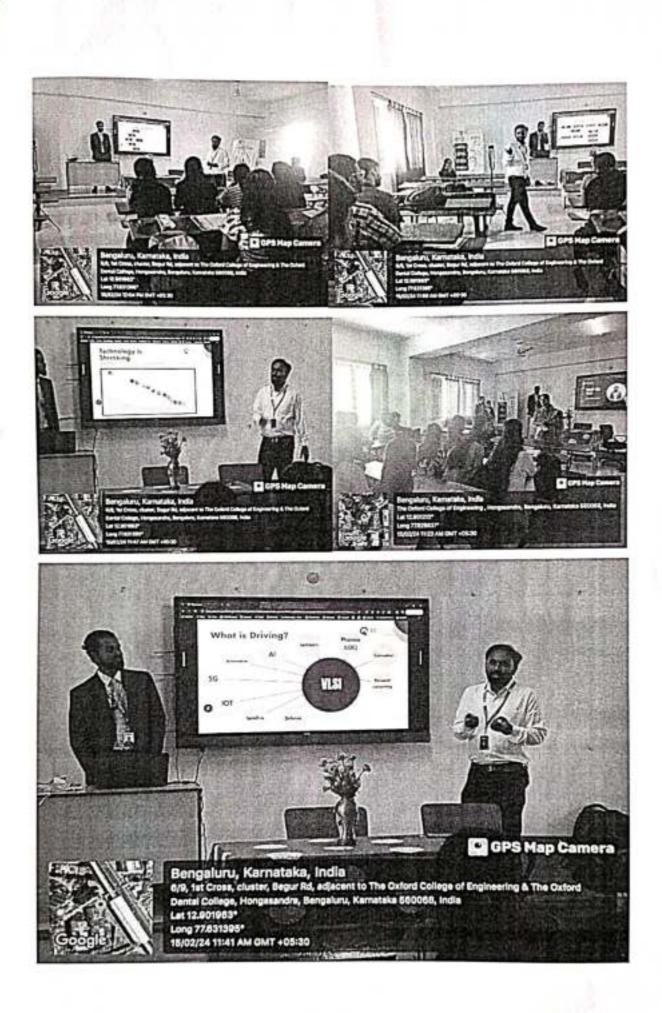
This workshop aims at fostering creativity, programming and skill development in the field of VLSI technology.

- To provide students with a solid introductory knowledge of VLSI design principles and their practical application.
- To learn about CMOS inverter characteristics, logic design, transistor-level schematics, and layouts.
- To encourage the students to learn about integrated circuit (IC) design, chip manufacturing, and the intricacies of Very-Large-Scale-Integration.

- To stimulate interest and develop aptitude in VLSI design.
- To make the students explore about gate delays, logical effort, and trade-offs between delay and power consumption for logic gates.
- To make the students aware about the use of open-source simulation platforms like PSPICE or LT-SPICE to carry out practical simulations.
- To make the students understand the advances in artificial intelligence (AI), electric vehicles (EVs), and smartphone technologies and the role of VLSI technology in these cutting-edge fields.

The workshop on "Design Thinking and Critical Thinking Concepts in VLSI Technology" was organized to equip the participants with a profound understanding of how design and critical thinking principles can be applied in the field of VLSI technology. It is aimed to provide a platform to the students to learn about the latest advancements in VLSI technology and implementation of digital circuits and to enhance their knowledge of VLSI circuits and learn from industry experts. Very-large-scale integration (VLSI) is the process of creating an integrated circuit (IC) by combining hundreds of thousands of transistors or devices into a single chip. VLSI began in the 1970s when complex semiconductor and communication technologies were being developed. The microprocessor is a VLSI device. Before the introduction of VLSI technology most ICs had a limited set of functions they could perform. An electronic circuit might consist of a CPU, ROM, RAM and other glue logic. VLSI lets IC designers add all of these into one chip. The future scope of VLSI engineers is very high as the world is full of electronics devices that consist of microcontrollers, microprocessors, etc. To design these chips or integrated circuits the VLSI engineers are required. Over the years there has been an increased demand for skilled VLSI engineers at IC design companies. This is due to the tremendous advances in AI, EV, and smartphone technologies, all of which rely on smart ICs. Chip design and manufacturing are collectively called VLSI design where VLSI stands for Very-Large-Scale-Integration. The workshop is a great opportunity for the students to gain hands-on experience with VLSI circuits and learn from industry experts. The resource person has highlighted on the basics of VLSI technology and its application in various fields like artificial intelligence, smartphone technologies, electric vehicles.

It was an interactive session. The workshop was attended by 58 participants including 12 faculties.



#### **Resource Person Details:**

Mr. Prasad Rallabandi CEO & Co- Founder Thinsil Technologies Bangalore.

Mr. Prasad Rallabandi has completed B.Tech in Electronics and Communication from Jawaharlal Nehru Technological University. He worked as Senior Engineer in Tata Elxsi for 3 years 2 months. He worked as the Lead Engineer in Sasken. His work experience includes Senior Design Methodology Engineer in PMC-Sierra. He also worked as a Project Manager in UST Global.

He is the Co-Founder and CEO of Thinsil Technologies with 20+ years of industry experience in ASIC development. He has worked on all aspects of the ASIC backend flow from Synthesis to GDSII. He worked with international customers such as Intel, AMD, Samsung, Microchip, Emm and Siliconch systems. He is currently building THINSIL in a fast pace to provide strategic solutions to the esteemed clients ranging from product engineering services, IoT and AI. He is also the chief trainer in IC Labs.

#### Recording link:

https://www.youtube.com/watch?v=720IimnNNrY

#### Facebooklink:

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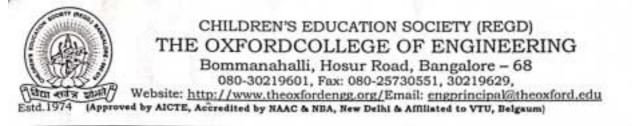
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## Department of Electrical & Electronics Engineering &IIC "Design Thinking and Critical Thinking Concepts in VLSI <u>Technology</u>"

## Attendance Sheet

Date: 15-02-2024 (Thursday)

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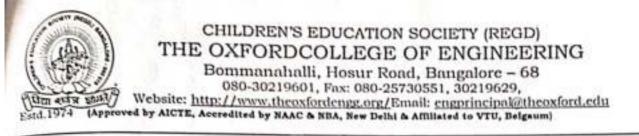


## Department of Electrical & Electronics Engineering &IIC "Design Thinking and Critical Thinking Concepts in VLSI <u>Technology"</u>

## Attendance Sheet

Date: 15-02-2024 (Thursday)

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## Department of Electrical & Electronics Engineering &IIC "Design Thinking and Critical Thinking Concepts in VLSI Technology"

## Attendance Sheet

Date: 15-02-2024 (Thursday)

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## Outcomes of the Workshop:

The workshop "Design Thinking and Critical Thinking Concepts in VLSI Technology" aim to empower participants with a holistic skill set, combining technical knowledge with a creative and innovative mind-set, positioning them well for success in the field of VLSI. Students got an exposure to innovation and Design ideas through the programming session.

- Students are able to understand the fundamental principles of VLSI circuit design in digital and analog domain.
- Students are made aware about the use of open-source simulation platforms like PSPICE or LT-SPICE to carry out practical simulations.
- Students are made aware about the opportunities of VLSI domain in the field of artificial intelligence, smartphone technologies, electric vehicles.
- The workshop not only provided a platform for learning but also fostered a sense of community among participants, paving the way for future collaborations and advancements in VLSI design.

Faculty Coordinator

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

IIC Convenor

PRINCIPAL

President IIC

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

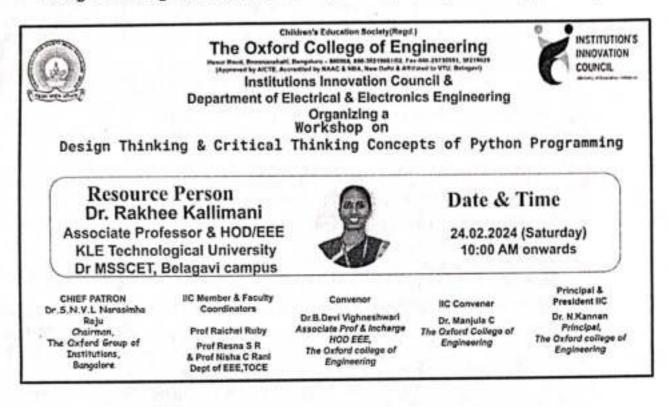


## THE OXFORD COLLEGE OF ENGINEERING

10<sup>TH</sup> Milestone, Hosur Rd, Bommanahalli, Bengaluru, Karnataka 560068 (Approved by AICTE New Delhi, Accredited by NBA, New Delhi, Affiliated to VTU



Workshop on "Design Thinking and Critical Thinking Concepts of Python Programming"



The Oxford College of Engineering, Bengaluru – Institutions Innovation Council in association with Department of Electrical and Electronics Engineering organized a workshop titled "Design Thinking and Critical Thinking Concepts of Python Programming" by Dr.Rakhee Kallimani ,Associate Professor&HOD/EEE,KLE Technological University ,Dr MSSCET ,Belagavi Campus on 24- 02-2024 from 10:00 AM - 01:00 PM in offline mode.

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

#### **OBJECTIVES:**

The "Design Thinking and Critical Thinking Concepts of Python Programming" workshop aims to equip participants with the skills and knowledge necessary to leverage design thinking and critical thinking in their Python programming endeavors.

Introduction to Design Thinking in Python Programming:

Understand the principles of design thinking and its relevance in Python programming. Learn how to apply design thinking methodologies to analyze problems, empathize with users, and develop user-centric solutions in Python.

Exploration of Critical Thinking Skills in Python Development:

Discuss the significance of critical thinking in writing efficient and maintainable Python code.

Learn techniques for problem decomposition, code review, refactoring, and optimization to enhance code quality and performance.

 Hands-on Exercises and Activities: Engage participants in interactive exercises to apply design thinking and critical thinking concepts to real-world Python programming scenarios. Provide practical coding examples and challenges to reinforce understanding and skill

development.

Collaborative Learning and Knowledge Sharing:

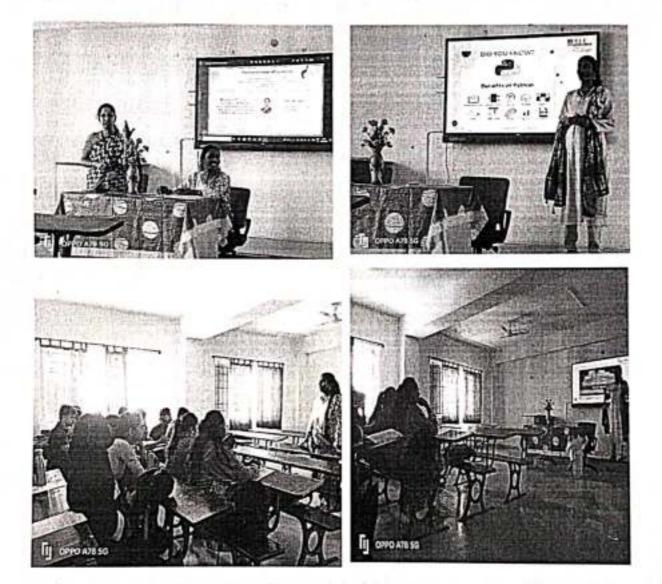
Foster a collaborative learning environment where participants can share insights, experiences, and best practices in applying design thinking and critical thinking to Python programming.

Encourage networking and collaboration among participants to exchange ideas and support each other's learning journey.

The workshop commenced with an introduction to design thinking and critical thinking concepts, emphasizing their relevance and importance in Python programming. Participants engaged in lively discussions, sharing insights and experiences on how these methodologies can be applied to tackle real-world programming challenges effectively.

Throughout the workshop, participants actively participated in hands-on exercises and coding challenges designed to reinforce key concepts and practical skills. In groups, they tackled real-world programming challenges using design thinking methodologies, conducting user interviews, creating personas, and developing prototypes to address user needs and pain points. These exercises not only provided practical application of design thinking principles but also fostered teamwork, creativity, and innovative problem-solving approaches.

In addition to design thinking activities, participants also delved into critical thinking skills essential for writing efficient, maintainable, and optimized Python code. They learned techniques for problem decomposition, code review, refactoring, and optimization through coding challenges and group discussions. By applying critical thinking strategies, participants gained insights into improving code quality, readability, and performance, enhancing their overall coding proficiency.





The workshop also provided a platform for collaborative learning and knowledge sharing among participants. Group presentations and feedback sessions allowed participants to showcase their solutions, share their design thinking approaches, and receive constructive feedback from facilitators and peers. This collaborative environment fostered peer-to-peer learning, networking, and community engagement, creating a supportive ecosystem for ongoing professional growth and development.

It was an interactive session. The workshop was attended by 55 participants including 12 faculties.

#### **Resource Person Details:**

Dr.Rakhee Kallimani, Associate Professor&HOD/EEE,KLE Technological University, Dr MSSCET, Belagavi Campus.

Dr. Rakhee Kalliman has completed B.E. in EEE from B. V. Bhoomraddi College of Engineering and Technology affiliated to VTU in 2003. She has done M. Tech degree in Embedded Systems from Calicut University, in 2007. She received Ph.D. degree from Visvesvaraya Technological University in February 2023. She worked at BVBCET as Lecturer from 2003-2009. Currently, she serves as an Associate Professor and Head of Department at KLE Technological University Dr MSSCET, Belagavi campus. She has more than 20 years of experience. Her area of Interest are Embedded Systems, Electrical Vehicles, Wireless Sensor Network.

## CHILDREN'S EDUCATION SOCIETY (REGD) THE OXFORDCOLLEGE OF ENGINEERING Bommanahalli, Hosur Road, Bangalore – 68 080-30219601, Fax: 080-25730551, 30219629, Website: http://www.theoxfordence.org/Email: engprincipal@theoxford.edu (Approved by AICTE, Accredited by NAAC A Grade, New Delbi & Affiliated to VTU, Belgaum)

## Department of Electrical & Electronics Engineering &IIC "Design Thinking & Critical Thinking Concepts of Python Programming"

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Attendance Sheet . DV UN

105

Date: 24-02-2024 (Saturday)

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## **Recording link:**

Youtubelink: https://youtu.be/gj8rkQJ966k

Facebook link:

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InstagramLink:

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LinkedinLink: https://www.linkedin.com/feed/update/activity:7167828077216038913

Twitter Link: https://x.com/TheOxfordColle2/status/1762109667931488453?s=20

## **Outcomes of the Workshop:**

 Enhanced Problem-Solving Skills: Participants will gain a deeper understanding of design thinking principles and how to integrate them into Python programming projects.

They will develop the ability to identify user needs, generate innovative solutions, and iterate on prototypes to address complex problems effectively.

 Improved Code Quality and Efficiency: Participants will learn critical thinking skills essential for writing clean, maintainable, and optimized Python code.

They will acquire techniques for problem decomposition, code review, refactoring, and performance tuning to enhance code quality, readability, and efficiency.

Practical Application of Concepts:

Through hands-on exercises and coding activities, participants will apply design thinking and critical thinking concepts to real-world Python programming scenarios. They will gain practical experience in applying these methodologies to analyze problems, develop solutions, and optimize code for better performance and usability.

Community Engagement and Collaboration:

The workshop will facilitate networking and knowledge sharing among participants, fostering a supportive community of Python programmers committed to continuous learning and improvement.

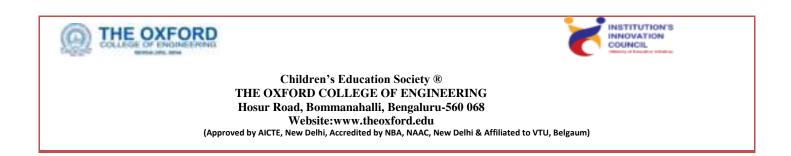
Char Hay **Faculty Coordinator** 

Professor & Head EEE The Oxford College of Epon Bommanahalli, Hosur Ros. Bangalora-560 088

**IIC Convenor** 

PRINCIPAL

& President IIC PRINCIPAL The Oxford College of Engineering Bontmanahalli, Hosur Road Bengaluru-560 068



# Workshop on "OptiPress: Innovating the Future of Pressure Sensing with Light"



The Oxford College of Engineering, Bengaluru – Institutions Innovation Council in association with Department of Mechanical Engineering organized a Workshop on "OptiPress: Innovating the Future of Pressure Sensing with Light" by Dr. Yashaswini P R, Faculty, EC Department, Malnad College of Engineering, Hassan on 9<sup>th</sup> November 2023 at 10.30AM.

#### **Objective:**

The objective of the workshop is to explore innovative approaches to pressure sensing using optical technology.

- Participants will gain insights into the latest advancements in the field and learn practical applications of optical pressure sensing.
- The workshop aims to foster creativity and critical thinking among engineering students and professionals in the domain of pressure sensing.

During the workshop, participants delved into a comprehensive overview of the then-current state of pressure sensing technology, placing a special emphasis on utilizing optical methods for accurate and efficient pressure measurement. The session seamlessly combined theoretical insights with practical demonstrations and hands-on exercises, providing participants with a holistic understanding of OptiPress technology.

The topics covered encompassed fundamental principles of pressure sensing, the intricate workings of optical sensors, diverse applications across industries, and potential future advancements in the field. Through interactive discussions and Q&A sessions, participants had the unique opportunity to directly engage with Dr. Yashaswini P R, enhancing their understanding and clarifying any queries.

#### **Outcome:**

Upon the successful completion of the workshop, participants understood underlying principles behind pressure sensing with optical technology. They have gained valuable insights into the practical applications of OptiPress technology in real-world scenarios. Furthermore, participants acquired hands-on experience through live demonstrations and exercises, enabling them to apply the newfound knowledge to their academic or professional projects.

The workshop not only served as an educational platform but also facilitated networking and collaboration among participants. It created a community of individuals passionate about exploring innovative approaches to engineering challenges. As a token of recognition, participants likely received certificates of attendance, acknowledging their active participation in this enlightening and collaborative educational event.

Number of participants: 57

Registration Link: https://forms.gle/iJNuraEn18oC7WB69

**Event Link:** 

https://drive.google.com/file/d/1HoA2NnmPJiyHZzXFfiVUwtEevhaJL16a/view?usp=drive\_link

#### Facebook Link:

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WhatsApp Link: <a href="https://whatsapp.com/channel/0029Va961RDAzNbxmmR6lY3p">https://whatsapp.com/channel/0029Va961RDAzNbxmmR6lY3p</a>

LinkedIn Link:

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Youtube Link: https://www.youtube.com/channel/UCKF\_4NHK-MfSoFtqV2uEfbQ

Instagram Link:

https://www.instagram.com/p/C0OJplCLaNW/?igshid=ZjI0YTZmZTMwMg==

Twitter Link:

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Koo Link:

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#### **Resource Person Details:**

Name: Dr. Yashaswini P R Contact Number: 9483822111 Email ID: <u>yashupr1992@gmail.com</u>

## Attendance:

| 1. Summary         |            |             |             |              |             |             |
|--------------------|------------|-------------|-------------|--------------|-------------|-------------|
| ,<br>Meeting title | Workshop   | on "OptiPr  | ess: Innova | ting the Fut | ure of Pres | sure Sensin |
| Attended partie    |            | •           |             |              |             |             |
| Start time         | 11/09/23,  | 9:47:44 AN  | 1           |              |             |             |
| End time           | 11/09/23,  | 11:08:49 AI | M           |              |             |             |
| Meeting durati     | 1h 21m 5s  |             |             |              |             |             |
| Average attend     | 48m 47s    |             |             |              |             |             |
|                    |            |             |             |              |             |             |
| 2. Participants    |            |             |             |              |             |             |
| Name               | First Join | Last Leave  | In-Meeting  | Email        | Participant | Role        |
| FARAH FATHIN       | 11/09/23,  | 11/09/23,   | 1h 20m 59   | anupmu@      | anupmu@     | Organiser   |
| G N KARTIK         | 11/09/23,  | 11/09/23,   | 59m 38s     |              |             | Attendee    |
| KESHAVAN S         | 11/09/23,  | 11/09/23,   | 59m 29s     |              |             | Attendee    |
| KRISHNA KUM        | 11/09/23,  | 11/09/23,   | 58m 56s     |              |             | Attendee    |
| PREETAM            | 11/09/23,  | 11/09/23,   | 58m 44s     |              |             | Attendee    |
| DEENADHAYAL        | 11/09/23,  | 11/09/23,   | 58m 26s     |              |             | Attendee    |
| VIVEK R P          | 11/09/23,  | 11/09/23,   | 58m 26s     |              |             | Attendee    |
| ANJAN B V          | 11/09/23,  | 11/09/23,   | 57m 26s     |              |             | Attendee    |
| KIRAN KUMAR        | 11/09/23,  | 11/09/23,   | 57m         |              |             | Attendee    |
| LALJITH T          | 11/09/23,  | 11/09/23,   | 56m 44s     |              |             | Attendee    |
| mukkara hema       | 11/09/23,  | 11/09/23,   | 55m 53s     |              |             | Attendee    |
| NAGARAJ            | 11/09/23,  | 11/09/23,   | 55m 16s     |              |             | Attendee    |
| NIKIHIL JONAT      | 11/09/23,  | 11/09/23,   | 55m 10s     |              |             | Attendee    |
| PRITHVI REJI       | 11/09/23,  | 11/09/23,   | 54m 51s     |              |             | Attendee    |
| SAGAR M            | 11/09/23,  | 11/09/23,   | 54m 46s     |              |             | Attendee    |
| THARUN SAI G       | 11/09/23,  | 11/09/23,   | 53m 34s     |              |             | Attendee    |
| SHAMS MEHDI        | 11/09/23,  | 11/09/23,   | 53m 22s     |              |             | Attendee    |
| C NISCHITHA N      | 11/09/23,  | 11/09/23,   | 53m 17s     |              |             | Attendee    |
| DAANISH MAT        | 11/09/23,  | 11/09/23,   | 51m 51s     |              |             | Attendee    |
| DHARMA TEJA        | 11/09/23,  | 11/09/23,   | 41m 39s     |              |             | Attendee    |
| IMRAN ALI WA       | 11/09/23,  | 11/09/23,   | 12m 15s     |              |             | Attendee    |
| KIRAN P R          | 11/09/23,  | 11/09/23,   | 49m 21s     |              |             | Attendee    |
| LOKESH G           | 11/09/23,  | 11/09/23,   | 46m 1s      |              |             | Attendee    |
| MALLIKARJUN        | 11/09/23,  | 11/09/23,   | 38m 47s     |              |             | Attendee    |
| MOHAMMED H         | 11/09/23,  | 11/09/23,   | 1m 7s       |              |             | Attendee    |
| NIKHIL R           | 11/09/23,  | 11/09/23,   | 36m         |              |             | Attendee    |
| PRASHANT RAI       | 11/09/23,  | 11/09/23,   | 27m 20s     |              |             | Presenter   |
| SANDEEP J          | 11/09/23,  | 11/09/23,   | 19m 26s     |              |             | Attendee    |

| 3. In-Meeting Activities |               |              |            |             |           |
|--------------------------|---------------|--------------|------------|-------------|-----------|
| Name                     | Join Time     | Leave Time   | Duration   | Email       | Role      |
| Anup M Upadhyaya         | 11/09/23, 9:4 | 11/09/23, 11 | 1h 20m 59s | anupmu@theo | Organiser |
| Prashant                 | 11/09/23, 10: | 11/09/23, 11 | 59m 38s    |             | Attendee  |
| Mohammed Ummair.k        | 11/09/23, 10: | 11/09/23, 11 | 59m 29s    |             | Attendee  |
| Prerana D K              | 11/09/23, 10: | 11/09/23, 11 | 58m 56s    |             | Attendee  |
| Praveen                  | 11/09/23, 10: | 11/09/23, 11 | 58m 44s    |             | Attendee  |
| mandara                  | 11/09/23, 10: | 11/09/23, 11 | 58m 26s    |             | Attendee  |
| Nagesh Udgire            | 11/09/23, 10: | 11/09/23, 11 | 58m 26s    |             | Attendee  |
| akash                    | 11/09/23, 10: | 11/09/23, 11 | 57m 26s    |             | Attendee  |
| Praneetha A              | 11/09/23, 10: | 11/09/23, 11 | 57m        |             | Attendee  |
| Ńagendra Š Gowda         | 11/09/23, 10: | 11/09/23, 11 | 56m 44s    |             | Attendee  |
| Maltesh. A. M            | 11/09/23, 10: | 11/09/23, 11 | 55m 53s    |             | Attendee  |
| sachin                   | 11/09/23, 10: | 11/09/23, 11 | 55m 16s    |             | Attendee  |
| Mohd Imran               | 11/09/23, 10: | 11/09/23, 11 | 55m 10s    |             | Attendee  |
| Ramya                    | 11/09/23, 10: | 11/09/23, 11 | 54m 51s    |             | Attendee  |
| Prasanna Kumar .R        | 11/09/23, 10: | 11/09/23, 11 | 54m 46s    |             | Attendee  |
| Pooja.R                  | 11/09/23, 10: | 11/09/23, 11 | 53m 34s    |             | Attendee  |
| Prithviraj               | 11/09/23, 10: | 11/09/23, 11 | 53m 22s    |             | Attendee  |
| Ramesh                   | 11/09/23, 10: | 11/09/23, 11 | 53m 17s    |             | Attendee  |
| Manoj                    | 11/09/23, 10: | 11/09/23, 11 | 51m 51s    |             | Attendee  |
| raghavendra              | 11/09/23, 10: | 11/09/23, 10 | 17m 33s    |             | Attendee  |
| raghavendra              | 11/09/23, 10: | 11/09/23, 11 | 24m 6s     |             | Attendee  |
| Nandha Kumar S           | 11/09/23, 10: | 11/09/23, 10 | 12m 15s    |             | Attendee  |
| Navarathna               | 11/09/23, 10: | 11/09/23, 11 | 49m 21s    |             | Attendee  |
| Punitha                  | 11/09/23, 10: | 11/09/23, 11 | 46m 1s     |             | Attendee  |
| Deenadhayalan S          | 11/09/23, 10: | 11/09/23, 11 | 38m 47s    |             | Attendee  |
| Nanda Kumar              | 11/09/23, 10: | 11/09/23, 10 | 1m 7s      |             | Attendee  |
| Nandha Kumar S           | 11/09/23, 10: | 11/09/23, 11 | 36m        |             | Attendee  |
| Dr. Yashaswini P. R      | 11/09/23, 10: | 11/09/23, 11 | 27m 20s    |             | Presenter |
| Raghavendra N            | 11/09/23, 10: | 11/09/23, 11 | 19m 26s    |             | Attendee  |

## Feedback

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IIC Member

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**IIC Convenor** 

HC/President





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)

# Workshop on "MechDesign Mastery: Crafting Excellence in Product Innovation"



The Oxford College of Engineering, Bengaluru – Institutions Innovation Council in association with Department of Mechanical Engineering organized a workshop on **"MechDesign Mastery: Crafting Excellence in Product Innovation"** Mr. Kushal, Quality Engineer, Rotary Electronics Pvt Ltd, Bangalore on 23<sup>rd</sup> November 2023.

#### **Objective:**

- The primary objective of the workshop was to empower participants with advanced skills in mechanical design, specifically focusing on the utilization of CATIA software.
- The workshop aimed to provide participants with a comprehensive understanding of CATIA and its application in achieving excellence in product innovation.

The workshop commenced with an introduction to CATIA, outlining its features and capabilities in the context of mechanical design. Mr. Kushal, leveraging his extensive industry experience, guided participants through the application of CATIA in various stages of the design process. Topics covered included 3D modeling, assembly design, kinematics, and simulations, providing a holistic view of CATIA's capabilities.

Participants actively engaged in hands-on sessions, applying CATIA to solve practical design challenges. The workshop encouraged collaborative learning, enabling participants to share insights and problem-solving approaches. Real-world case studies from Mr. Kushal's experience illustrated how CATIA is employed in a professional setting, offering participants a glimpse into industry best practice

#### **Output:**

**Proficiency in CATIA**: Participants could have gained proficiency in using CATIA software for mechanical design, covering essential features such as 3D modeling, assembly design, and simulations.

**Applied Design Skills**: The workshop aimed to equip participants with applied design skills, allowing them to implement CATIA in their academic and professional projects.

**In-Depth Understanding of CATIA Features:** Participants might have acquired an in-depth understanding of the features and functionalities of CATIA, enabling them to leverage the software for intricate design tasks.

**Problem-Solving in CATIA**: Hands-on exercises focused on problem-solving, providing participants with practical experience in using CATIA to address design challenges commonly encountered in the industry.

Number of Participants:

Registration Link: https://forms.gle/N91aq3pGLH4Crcte7

#### **Event Link:**

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YouTube Link: <u>https://www.youtube.com/channel/UCKF\_4NHK-MfSoFtqV2uEfbQ</u>

Instagram Link:

https://www.instagram.com/p/C0OIfTcL7-t/?igshid=ZjI0YTZmZTMwMg==

**Twitter Link:** 

https://x.com/TheOxfordColle2/status/1729814930164003271?s=20

Koo Link:

https://www.kooapp.com/koo/guest\_RB6VS4/3458486d-bcdd-4d70-8f11-27b59d93a40e

#### **Resource Person Details:**

Name: Mr. Kushal Contact Number: 9535493394 Email ID: kushalkushal969@gmail.com

#### Children's Education Society \* THE OXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaluru-560.068 Website:www.theoxford.edu

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Selgaum)

Department of Mechanical Engineering

Workshop on "MechDesign Mastery: Crafting Excellence in Product Innovation"

23" November 2023

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## Feedback

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## Workshop on "Innovative Interfaces: Mastering Design Software in Product Development"



The Oxford College of Engineering, Bengaluru – Institutions Innovation Council in association with Department of Mechanical Engineering organized a workshop on **"Innovative Interfaces: Mastering Design Software in Product Development"** Mr. Naveen Jaishwal, Associate Engineer, Alten India Pvt Ltd, Bangalore on 2<sup>nd</sup> February 2024.

#### **Objective:**

- > To enhance participants' proficiency in design software relevant to product development.
- > To explore innovative interfaces that streamline the product design process.

To provide hands-on experience and practical insights into utilizing design software effectively

The speaker delved into the intricacies of user-centric design, illustrating its importance through real-world examples and case studies. They articulated the nuances of aligning software interfaces with the cognitive processes and preferences of end-users, stressing the need for empathy-driven design approaches. Attendees were encouraged to empathize with their target audience and consider their needs and expectations when designing interfaces for their products.

Throughout the workshop, the speaker showcased cutting-edge design software tools tailored specifically for product development. Attendees were guided through a comprehensive exploration of features such as parametric modeling, simulation, and virtual prototyping. Through live demonstrations, participants gained practical insights into harnessing these tools to accelerate design iterations, optimize product performance, and ultimately, bring innovative concepts to fruition.

### **Output:**

**Enhanced Proficiency:** Participants developed enhanced proficiency in utilizing design software tools relevant to product development, enabling them to create more sophisticated and innovative designs.

**Improved Collaboration**: Attendees learned strategies for fostering collaboration between design and engineering teams, leading to more cohesive and efficient product development processes.

**Streamlined Workflow:** By implementing workflow optimization techniques learned during the workshop, participants were able to streamline their design workflows, reducing time-to-market and enhancing overall productivity.

Number of Participants: 45

Registration Link: https://forms.gle/A7xbjgBGzFcM5w5F7

### **Event Link:**

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Instagram Link:

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Twitter Link: https://x.com/TheOxfordColle2/status/1755899427300966563?s=20

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**Resource Person Details:** 

Name: Naveen Kumar Jaishwal Contact Number: 9164232341 Email ID: iamnaveenjaishwal@gmail.com

## Attendance:

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### Children's Education Society \* THE OXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaturu-560 068 Website:www.theoxford.edu

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

Workshop on "Innovative Interfaces: Mastering Design Software in Product Development" 2" February 2024

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## Feedback

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## Expert Talk on "Smart Manufacturing: Exploring Innovative Opportunities in Mechanical Engineering"



The Oxford College of Engineering, Bengaluru – Institutions Innovation Council in association with Department of Mechanical Engineering organized a Expert Talk on "Smart Manufacturing: Exploring Innovative Opportunities in Mechanical Engineering" by Dr. Shivanna D M, CEO, ARRKS INOVTECH Pvt Ltd, Bangalore on 24th January 2024 at 11.00AM

### **Objective:**

**Introduce Smart Manufacturing Concepts:** To introduce students to the principles, technologies, and applications of smart manufacturing within the context of mechanical engineering.

**Explore Innovative Opportunities:** To explore innovative opportunities and emerging trends in smart manufacturing that have the potential to revolutionize traditional manufacturing processes.

**Inspire and Motivate Students:** To inspire and motivate students by showcasing real-world examples, case studies, and success stories of smart manufacturing implementation in various industries.

The lecture kicked off with an enlightening introduction to the concept of smart manufacturing. The speaker elucidated how advancements in digital technologies, automation, and connectivity are revolutionizing traditional manufacturing processes, paving the way for increased efficiency, flexibility, and customization.

The highlight of the event was the keynote address delivered by a distinguished guest speaker renowned for their expertise in smart manufacturing. With a captivating presence and profound insights, the speaker captivated the audience, shedding light on the significance of embracing innovation and leveraging cutting-edge technologies to drive industrial transformation. Throughout the lecture, attendees were treated to a series of compelling case studies and industry examples showcasing real-world applications of smart manufacturing across diverse sectors. From predictive maintenance in the automotive industry to additive manufacturing in aerospace, these examples illustrated the tangible benefits and competitive advantages of adopting smart manufacturing technologies.

### **Output:**

**Enhanced Understanding:** Students gained a deeper understanding of smart manufacturing concepts, technologies, and applications within the context of mechanical engineering.

**Inspiration and Motivation:** The guest lecture inspired and motivated students to explore innovative opportunities in smart manufacturing and consider careers in this rapidly evolving field.

**Skill Development**: Students developed critical thinking, problem-solving, and interdisciplinary skills essential for success in smart manufacturing and related industries

Number of Participants: 45

Registration Link: <u>https://forms.gle/5DjkAA22KzwXqiPs8</u>

**Event Link:** 

https://drive.google.com/file/d/1h\_V8mDgFduyfFXfDFEbQYzzv7d0vW9xm/view?usp=drive\_link

Facebook Link:

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WhatsApp Link: <a href="https://whatsapp.com/channel/0029Va961RDAzNbxmmR6lY3p">https://whatsapp.com/channel/0029Va961RDAzNbxmmR6lY3p</a>

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YouTube Link: <u>https://youtu.be/Nqv4zs7gEUg</u>

Instagram Link:

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### **Resource Person Details:**

Name: Dr. Shivanna D M Contact Number: 9900506684 Email ID: dmshivu@gmail.com

## Attedance

Children's Education Society \*

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu

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Department of Mechanical Engineering

"Smart Manufacturing: Exploring Innovative Opportunities in Mechanical Engineering"

24th January 2024

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### Children's Education Society \* THE DXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaluru 360 068

Website www.theoxfort.edu

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

Department of Mechanical Engineering

"Smart Manufacturing: Exploring Innovative Opportunities in Mechanical Engineering"

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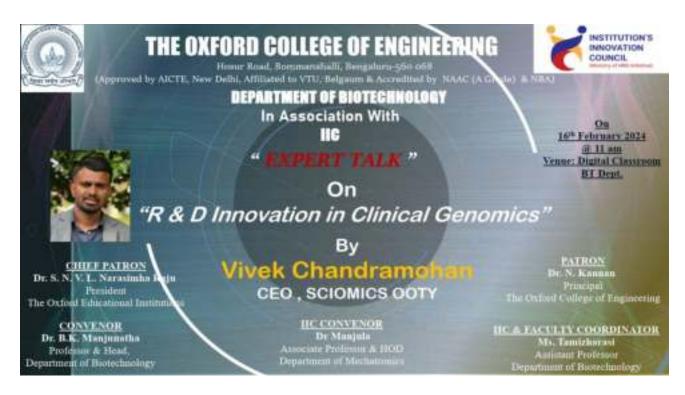
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### Children's Education Society ® THE OXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaluru-560 068 Website: http://www.theoxford.edu/engineering/ (Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

## EXPERT TALK ON "R & D INNOVATION IN CLINICAL GENOMICS"

INSTITUTION?



The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with the Department of Biotechnology, TOCE organized an expert talk on "R& D Innovation in Clinical Genomics" on 16<sup>th</sup> February 2024 from 11.00 AM in the Department of Biotechnology.

The Resource person was Vivek Chandramohan, CEO of SCIOmics, Ooty. Vivek Chandramohan is currently heading Sciomics company at Ooty , prior to this, he worked as an Assistant Professor in the Department of Biotechnology of SIT, Tumkur. He was working as Senior Bioinformatics Analyst at Aetitea Life Sciences Research Ltd, Chennai. His area of interests is Genomics and Proteomics (Cancer Genomics and Metabolomics), Next Generation Sequencing and Big data analysis (Cloud Computing), Molecular modelling and Drug designing. He has received several awards and has 51 publications with a noted publication of reputed

journals like Nature scientific report, Journal of structure and dynamics and 1 patent filed to his credit. He is working with people from many national and international universities. He has delivered more than 50 guest lectures from various colleges. He has attended and participated in more than 12 national and international conferences, He received travel award and won 3rd prize at The 13<sup>th</sup> Annual MCBIOS (MidSouth Computational Biology and Bioinformatics Society) Conference – March 3-5, 2016 organized by Memphis University, Memphis, Tennessee, United States of America (USA). He received a travel award for Oral Presentation at First UAEU Symposium on Biological Sciences, United Arab Emirates University, Dubai on November 13-15 2016. He has a professional membership of Chemical Science Transactions and Human proteome organization (HPO).

#### **OBJECTIVES:**

- 1. To develop innovative genomic technologies and analytical tools, R&D in clinical genomics aims to enhance diagnostic accuracy and efficiency, leading to earlier and more accurate disease diagnosis.
- 2. To improve our understanding of the genetic basis of diseases, enabling the development of more precise and personalized treatments tailored to individuals genetic makeup.
- 3. To identify genetic biomarkers associated with disease risk, progression, and response to therapy.
- 4. To focus on addressing the ethical, legal, and social implications associated with genomic data, such as privacy concerns, data security, and equitable access to genetic testing and therapies.

The Department of Biotechnology, TOCE organized an Expert Talk on "R& D Innovation in Clinical Genomics" on 16<sup>th</sup> February 2024 from 11.00 AM in the Department of Biotechnology. His major contributions include *In silico* identification, molecular docking and dynamic simulations. His expertise includes genomics, big data analysis and bioinformatics. He gave a brief introduction about omics data analysis and clinical genomics where he had discussed about Genome Informatics, Next Generation Sequencing (NGS) and his project related to genome informatics in detail. He clearly stated the multidisciplinary nature of Genome informatics between the fields of genomic data, computer science and statistics. An overview of Earth Biogenome project highlighted the need of genomesequencing. The timeline events of sequencing starting from Sanger sequencing which was employed in the Human Genome Project

(2001), NGS 454 (2007), ABI SOLiD (2008), Illumina(2009) to the latest Oxford Nanopore (2016) was discussed.

The session made us realise the potential of bioinformatics in the future days due to abundant data that's available. Biotechnology is a branch where both wet lab and dry lab go hand in hand. The results of the wet lab are crucial to dry lab work. Similarly, results obtained from dry lab has to be verified experimentally in wet lab. The emergence of dry lab is the actual application of wet lab. The guest gave a glimpse of his project work wherein they worked with Clinical Exome Data to confirm the presence of two most commonly observed cancer genes, namely, CDKN2A and NOTCH1 in 12 oral cancer samples by Molecular Docking and Dynamic Simulations. At the end, a questionnaire session was conducted where the students and teachers discussed their queries. He also informed the students about the projects and internships provided in SCIOmics. Overall, the guest lecture had ignited the young minds to think broadly and move forward in accomplishing various inventions in the field of bioinformatics and computational biology, there by contributing in drug design and other *in silico* applications.

67 Students participated in the expert talk and made the event successful.

### **OUTCOME:**

The main agenda of the talk was to make the students understanding of the current state of clinical genomics, including technologies, methodologies, and applications. Participants learnt about recent advancements in clinical genomics, such as new sequencing technologies, analytical methods, and discoveries in genomic medicine. The talk may facilitated networking and collaboration among attendees, including researchers, clinicians, industry professionals, and policymakers, fostering partnerships to address challenges and advance the field. The talk served as an educational opportunity for healthcare professionals and researchers to stay updated on the latest developments in clinical genomics and incorporate genomic information into their practice or research. Overall, the outcome of an expert talk on clinical genomics is to disseminate knowledge, stimulate discussion, and catalyze advancements in genomic medicine for improved patient care and public health.



### **Instagram:**

https://www.instagram.com/p/C3aMCBQLpD7/?igsh=MWpjaTRkN3dmejhycg== Youtube Link: https://youtu.be/G0asQNBASGA Facebook: https://www.facebook.com/share/p/ALS65iTAUUngZP1S/?mibextid=xfxF2i Recording link: https://youtu.be/G0asQNBASGA

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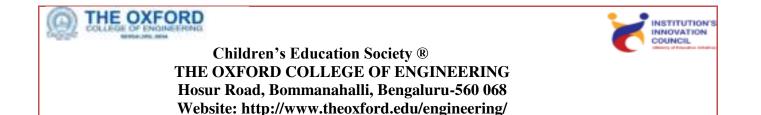
## ATTENDANCE SHEET

## Event: "R & D Innovation in Clinical Genomics"

Resource Person: Vivek Chandramohan Designation: CEO, SCIOMICS, Ooty Date: 16/02/2024 Time: 11.00 AM

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**National StartUp Day** 

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



The Oxford College of Engineering, Bangalore- Institution Innovation Council with Department of Biotechnology, TOCE organized National StartUp Day on 17<sup>th</sup> January 2024 from 11.00 A.M in the Department of Biotechnology.

### **OBJECTIVES:**

• To promoting entrepreneurship, fostering innovation, and providing resources and networking opportunities for new and aspiring entrepreneurs.

- To bring out the innovative and creative ideas of students and understand the Start-up opportunities in the field of biotechnology
- To celebrating the spirit of entrepreneurship and recognizing the contributions of startups to the economy.
- To highlight the importance of innovation in business and technology, encouraging entrepreneurs to develop creative solutions to existing challenges.
- To provide a platform for startups to network, collaborate, and share experiences.

National StartUp Day was organized by The Department of Biotechnology in Association with Institution Innovation Council (IIC) on 17/01/24. The session featured, Mr. Anand Kannan, National Director of the India chapter of the International Federation of Inventors Association (IFIA) and Dr. Satish M. Bhavankar, Director of Avas DigiTech, the Director of the Yenilik Foundation, and is part of the IFIA BHARAT advisory board, renowned experts in the field of biotechnology and entrepreneurship. The event aimed to provide insights into providing resources and networking opportunities for new and aspiring entrepreneurs.

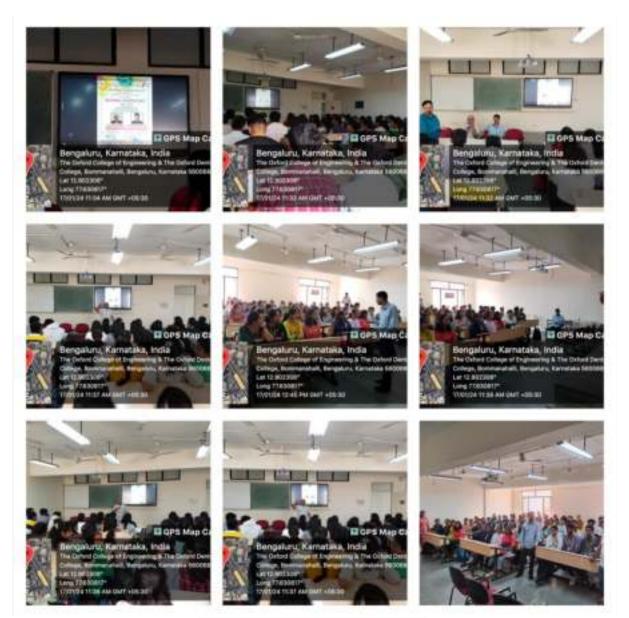
The event began with an Inaugural Ceremony where the overview of the rapidly evolving field of biotechnology and its potential to drive innovation in various sectors, including healthcare, agriculture, and biotechnology was given by Dr. B. K. Manjunath, Professor & Head, Department of Biotechnology, The Oxford College of Engineering. During the National Start-Up Day workshop, Mr. Anand Kannan and Dr. Satish M shed light on the pivotal role of a supportive startup ecosystem in driving the success of StartUp ventures. The duo emphasized the critical elements of this ecosystem, including essential facets such as securing funding, accessing mentorship, and fostering collaboration opportunities.

The workshop was enriched with the presentation of real-life case studies, offering tangible examples of triumph within the realm of Bioinnovation Startups. These case studies served as compelling narratives, showcasing innovative products and services that have left an indelible mark on the industry. In addition to celebrating success stories, the speakers candidly addressed the challenges encountered by Startups, ranging from regulatory hurdles to fierce market competition. Despite these obstacles, both Mr. Anand Kannan and Dr. Satish M underscored the immense opportunities awaiting those courageous enough to confront and navigate these challenges.

National Start-Up Day served as a platform for extensive networking, providing attendees with valuable opportunities to connect with like-minded individuals, potential investors, and mentors. The event actively encouraged collaborative efforts among participants, fostering an environment conducive to shared growth and success. The workshop's culmination was marked by an interactive Q&A session, allowing the audience to seek clarifications and glean further insights from the expertise of Mr. Anand Kannan and Dr. Satish M. Overall, the session not only imparted knowledge but also inspired and equipped aspiring StartUp entrepreneurs with the tools and perspectives needed to navigate the complex yet promising landscape of the industry, aligning with the broader objectives of National Start-Up Day.

Overall, The National Start-Up event proved to be both enlightening and motivational, leaving attendees, particularly students, with a profound understanding of the immense possibilities associated with National Start-Up Day. The discussions provided valuable insights into the essential steps required to embark on successful startup journeys within the dynamic entrepreneurial landscape. Students, in particular, were equipped with a deeper comprehension of the opportunities that National Start-Up Day presents. The practical guidance offered during the event laid a foundation for aspiring entrepreneurs, empowering them with the knowledge and motivation needed to navigate the intricacies of the startup ecosystem.

69 students participated in the National StartUp Day and made the event successful.



Glimpes of National StartUp Day

## ATTENDANCE SHEET

## Event: "National Startup Day"

Resource Person: Mr. Anand Kannan Designation: National Director of the India chapter of the International Federation of Inventors Association (IFIA) Date: 17/01/2024 Time: 11.00 AM

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#### **OUTCOME:**

The main agenda of the National Start-Up Day contributed to raising awareness about the importance of startups in driving innovation, economic growth, and job creation. It can help highlight the contributions of startups to various industries. The National Start-Up Day yielded a significant outcome centered around the exploration of innovative ideas for designing products and models within the biotechnology sector. The event played a crucial role in enhancing students' understanding of startup dynamics specifically within the realm of biotechnology.

### Facebook

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Principal & President IIC

PRINCIPAL The Oxford College of Engineering Bommanuhalit, Hosur Read Benghbru 510 568





### Children's Education Society ® THE OXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaluru-560 068 Website: http://www.theoxford.edu/engineering/

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# EXPERT TALK ON R&D INNOVATION IN NEXT GENERATION SEQUENCING



The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with the Department of Biotechnology, TOCE organized an Expert Talk on **"RND Innovations in Next Generation Sequencing"** on 5<sup>th</sup> February 2024 from 10.30 A. M in the Department of Biotechnology.

The resource person was Dr. Viswanathan. C, Senior Scientific Officer, Mediomix diagnosis and Bioresearch Pvt. Ltd., Bangalore. The Senior Scientific Officer at Mediomix plays a crucial role in advancing research and innovation within the company. Worked as a scientist at Sristi Biosciences Pvt Ltd have provided valuable opportunities for research and professional growth. He has experience in different sectors like Molecular cloning & vector designing using basic and advanced techniques (Synthetic Biology), Recombinant protein expression, purification & characterization in E. coli platform. He has experience in computational biology and invitro diagnostic kit development. Currently, He is working on the next generation sequencing on the Oxford Nanopore Technologies and Illumina platform. He has published 3 book chapters and presented research papers in various national (16) and international conferences (6).

### **OBJECTIVES:**

1. To increase awareness and understanding of R&D Innovation in next generation sequencing among the students.

2. To innovate the boundaries of genomic technology, developing more efficient, accurate, and cost-effective methods for analyzing DNA and RNA sequences.

3. Enhancing sequencing platforms, improving data analysis algorithms, and exploring novel applications in fields such as personalized medicine, agriculture, and environmental science.

4. To drive scientific discovery, improve healthcare outcomes, and address societal challenges through cutting-edge genomic research and innovation.

The Department of Biotechnology, The Oxford College of Engineering, Bangalore had organized an expert talk on the domain "**Next Generation Sequencing**" by Dr. Viswanathan. C, Senior Scientific Officer, Mediomix diagnosis and Bioresearch Pvt. Ltd., Bangalore on 05/02/2024. Next-generation sequencing (NGS) has revolutionized the field of genomics, offering high-throughput and cost-effective methods for sequencing DNA and RNA molecules. This technology has transformed biomedical research, clinical diagnostics, and personalized medicine. This perspective summarizes insights, recent developments observed in next generation sequencing, workflow of NGS library preparation and sequencing and NGS data analysis. Dr. Viswanathan gave many innovative ideas to solve problems pertaining to whole genome sequencing with the help of new instruments of second generation i.e, illumina and some diagnostic kits. He emphasized on improvements in sequencing chemistry, read lengths, throughput, and bioinformatics analysis pipelines, have further enhanced its accuracy, efficiency, and cost-effectiveness.

He explained about Understanding the basics of genomics involves grasping concepts such as DNA structure, gene expression, genetic variation, and the relationship between genotype and phenotype. With this knowledge, one can apply solutions to whole genome sequencing by employing advanced sequencing technologies, bioinformatics tools, and analytical methods to decode and interpret the entire genetic blueprint of an organism. This approach enables comprehensive exploration of genetic variations, disease mechanisms, evolutionary insights,

and personalized medicine applications. He provided insights into the designing a solution for diagnostic testing and precision medicine requires a deep understanding of genetics, molecular biology, bioinformatics, and clinical applications. The speaker emphasized that a comprehensive solution merging genetics, technology, and clinical acumen can enhance diagnostic precision, tailor treatments, and ultimately elevate patient outcomes.

### **OUTCOME:**

The main agenda of the talk was to help students grasp how advancements in next-generation sequencing, like novel technologies, better data analysis algorithms, and improved platforms, can drive innovation in fields such as personalized medicine, agriculture, and environmental science. These breakthroughs expand the horizons of genomic research, leading to new discoveries and deepening our comprehension of intricate biological processes. The talk aimed to empower students with a foundational understanding of genomics and its practical application in whole genome sequencing. Additionally, it sought to equip them with insights into biomedical research and clinical practice. By fostering this knowledge base, students are inspired to function effectively both as individuals and as researchers, driving forward advancements in the field with confidence and purpose.



### Instagram:

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**IIC Convener IIC Coordinator** Hol

Principal & President IIC

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## ATTENDANCE SHEET

# Expert Talk on "NEXT-GENERATION SEQUENCING"

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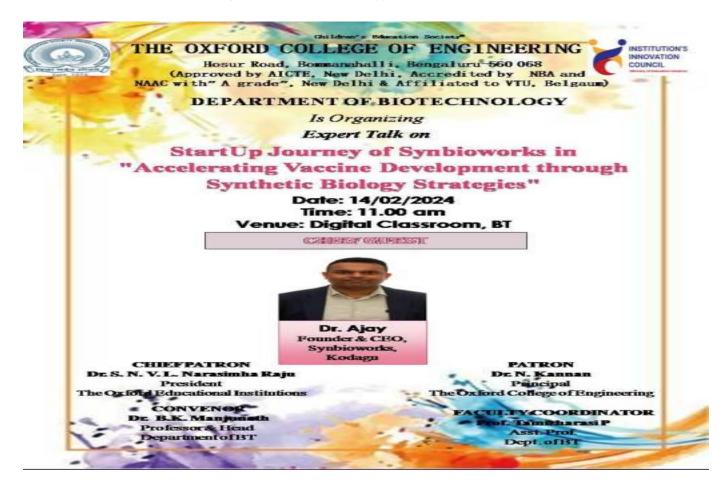
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INSTITUTION?

StartUp Journey of Synbioworks in "Accelerating Vaccine Development through Synthetic Biology Strategies"



The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with the Department of Biotechnology, TOCE organized an Expert Talk on **StartUp Journey of Synbioworks in "Accelerating Vaccine Development through Synthetic Biology Strategies"** on 14<sup>th</sup> February 2024 from 11.00 A.M in the Department of Biotechnology.

The resource person, Dr Ajay is the CEO and founder of Synbioworks. This company is based on Kodagu, they specialize in research and manufacturing of quality and relatively priced supplements. Dr Ajay, is an experienced researcher with a demonstrated history of working in the research industry, he is skilled in microbiology and synthetic biology. He obtained his PhD in Biological Sciences from Ulsan University of Science and Technology in South Korea. He was a researcher in Madrid University in Spain, and an editor for Microbiology Society for five years. He also holds seven international patents and nineteen publications.

#### **OBJECTIVES:**

- 1. To provide insights into Synbioworks' startup journey and their innovative approach to accelerating vaccine development through synthetic biology strategies.
- To provide an overview of synthetic biology principles, techniques, and applications, helping the audience understand the fundamental concepts and current developments in the field.
- 3. To inspire curiosity and interest in synthetic biology by showcasing exciting advancements, groundbreaking research, and potential future applications that could revolutionize various industries, from healthcare to agriculture.
- 4. To highlight key milestones, challenges faced, and the potential impact of their work on the field of biotechnology and public health.

The Department of Biotechnology, The Oxford College of Engineering, Bangalore had organized an expert talk on StartUp Journey of Synbioworks in "Accelerating Vaccine Development through Synthetic Biology Strategies" " by Dr. Ajay,CEO and Founder of Synbioworks, Kodagu on 05/02/2024. Dr Ajay led the seminar by explaining various aspects and principles of synthetic biology. He explained about unnatural molecular reproduction and natural biology. He went ahead to explain reassembling processes of novel systems and other procedures involved in biological cells.

He spoke about how the drug development industry has improved due to more and more advancements in the field of synthetic biology. Generation synthetic genes paved the way for oncology-focused companies to generate cancer vaccines individualised to the specific DNA sequence of a patient's tumour. For the last three years synthetic biology industry has gained advancements due to immense research in production of vaccines against COVID-19 and the development of COVID-19 test kits, which has been generated on a larger scale and utilised by public and private healthcare providers.Synthetic biology plays an important role in Antibody and vaccine production, biofuel production, agricultural bioengineering, microbial engineering, and food production. It is an important field with major developments in this decade.

Dr Ajay also offered insight on his research work at his establishment Biosustain labs, where his domain Synbioworks have held many upcoming research work. His expert talk led us to understand future aspects and prospects of synthetic biology and overall goal for future research. His knowledge on the subject was admirable and gave us enough insight to navigate theoretical reasoning for the said talk.

#### **OUTCOME:**

The main Outcomes from the expert talk on "Accelerating Vaccine Development through Synthetic Biology Strategies" Participants gained a comprehensive understanding of the principles and workings of synthetic biology, including its foundational concepts and techniques. Students acquired detailed knowledge of various applications of synthetic biology in vaccine development. This encompassed the utilization of synthetic biology tools and methodologies to design, engineer, and produce vaccines more efficiently and effectively. The talk provided a thorough exploration and elaboration of synthetic biology strategies specifically tailored for accelerating vaccine development. This included discussions on designing novel vaccine candidates, optimizing production processes, and enhancing vaccine efficacy and safety through synthetic biology approaches.



#### Instagram:

https://www.instagram.com/p/C3VcbjNpcTd/?igsh=MndzangxN3VqcTlp Facebook: https://www.facebook.com/share/p/owRvDbdcFYyvLwj7/?mibextid=xfxF2i Recording link: https://youtu.be/uUHTShux8SE

IIC Coordinator **IIC Convener** Hop

Principal & President IIC

PRINCIPAL The Oxford College of Engineering Bommanyhalli, Hosur Road Bengohru-550 558

# ATTENDANCE SHEET

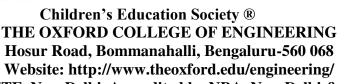
# Event: "Accelerating Vaccine Development through Synthetic Biology Strategies"

Resource Person: Dr. Ajay Designation: Founder & CEO, Synbioworks Date: 14/02/2024 Time: 11.00 AM

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

INSTITUTION?

## EXPERT TALK ON "ENTREPRENEURSHIP OPPORTUNITIES IN IPR"



The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with the Department of Biotechnology, TOCE organized an Expert Talk on "ENTREPRENEURSHIP OPPORTUNITIES IN IPR" on 28<sup>th</sup> March 2024 from 01.30 P.M in the Department of Biotechnology.

The Resource person was Dr. Mary Mangaiyarkarasi M.S is currently working as IP Officer in Bangalore Bioinnovation Centre. She is a qualified Patent Agent. Her job responsibilities include facilitating IP filings, prior art search & FTO search, consultation on patentability of their inventions and Response to FER and Transfer of Technology to startups/ academic and research institutes. She underwent training in Transfer of Technology under "Technology Transfer and Commercialization Training – 2019" by National Biopharma Mission, BIRAC. She recently

coordinated successfully Elevate Women Acceleration Programme by Govt of Karnataka. She underwent training in IPR through the Women Scientist 'C' programme under WOSC – DST programme, Govt. of India for one year. She also has a short teaching experience at Prof. Dhanapalan College of Women, Kelambakkam, Tamilnadu. She completed her doctorate at Loyola College, Chennai in a collaborative project with Indira Gandhi Center for Atomic Research, Kalpakkam in the field of Environmnetal Microbiology. She holds a Diploma in Patent Law from NALSAR University and is UGC-NET qualified in Environmental Scienes.

#### **OBJECTIVES:**

- To raise awareness about the significance of Intellectual Property (IP) in entrepreneurship, including patents, trademarks, copyrights, and trade secrets.
- To empower entrepreneurs with knowledge about different types of IP protection available to them and how to leverage these rights to safeguard their inventions, brands, and creative works.
- Facilitate networking opportunities for entrepreneurs to connect with IP experts, legal professionals, investors, and fellow entrepreneurs.
- Foster a culture of innovation and entrepreneurship within the community by highlighting the role of IP in incentivizing and rewarding innovation.

Biotechnology, TOCE The Department of organized an Expert Talk on "ENTREPRENEURSHIP OPPORTUNITIES IN IPR" on 28th March 2024 from 01.30 P.M in the Department of Biotechnology. The expert talk illuminated the dynamic intersection between entrepreneurship and Intellectual Property Rights (IPR), showcasing the myriad opportunities that emerge when innovative ideas meet strategic protection. By delving into the landscape of IPR, this session aims to inspire, educate, and equip aspiring entrepreneurs with the tools and insights necessary to navigate the intricate world of intellectual property and leverage it as a catalyst for business success.

The speaker provided concrete instances of entrepreneurs who effectively employed IP strategies to drive their ventures forward, demonstrating how IP protection serves as a compelling asset for enticing investors, forging partnerships, and facilitating the growth of businesses. The speaker elaborated on fostering collaboration and knowledge exchange among entrepreneurs, IP specialists, legal practitioners, and industry stakeholders. The expert

discussion delved into ways to harness the combined strength of the innovation ecosystem to propel favorable advancements and expansion.

46 Students and 4 Faculties participated in the expert talk and made the event successful.

#### OUTCOME:

- The talk raised awareness among entrepreneurs about the importance of protecting their intellectual property and leveraging it to create value for their businesses.
- Attendees may have gained insights into different entrepreneurship strategies for managing and protecting their intellectual property, including patents, trademarks, copyrights, and trade secrets.
- The expert speaker shared success stories and examples of how entrepreneurs have effectively used intellectual property to drive innovation, secure funding, and gain a competitive advantage, inspiring attendees to explore similar opportunities.
- The talk has provided a platform for entrepreneurs to network with experts in the field of intellectual property, potentially leading to collaborations, partnerships, or mentorship opportunities.
- The outcome of the expert talk on entrepreneurship opportunities in IPR would ideally empower entrepreneurs with the knowledge and resources they need to protect and leverage their intellectual property assets for business growth and success.



**Glimpses of Expert Talk** 

#### Instagram:

https://www.instagram.com/p/C5DynQxLlzV/?igsh=MXNxMXY0NG9sbmZmcQ==

Youtube Link: https://youtu.be/Q0w4ipfFhKA

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# ATTENDANCE SHEET

# Expert Talk on "Entreprencurship Opportunities in IPR"

Resource Person: Dr. Mary Mangaiyarkarasi M.S.

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Designation: IP Consultant, Bangalore Bio Innovation Centre, Bangalore. Date: 28/03/2024 Time: 01.30 PM

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IIC Coordinator Professor & Head Department of Biotechnology The Oxford College of Engineering Bengaluru-560 058. Language

Principal & President IIC

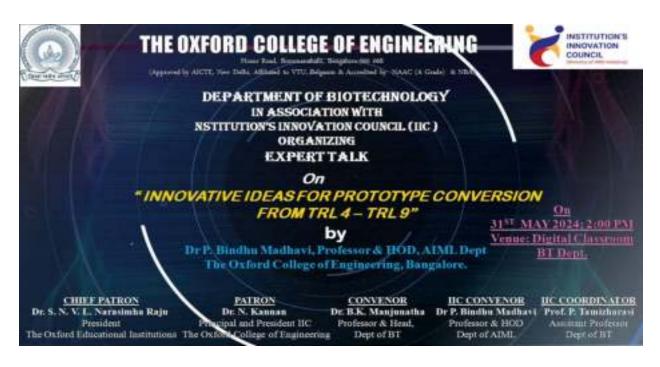
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## EXPERT TALK ON "INNOVATIVE IDEAS FOR PROTOTYPE CONVERSION FROM TRL 4 – TRL 9"



The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with the Department of Biotechnology, TOCE organized an Expert Talk on "INNOVATIVE IDEAS FOR PROTOTYPE CONVERSION FROM TRL 4 – TRL 9" on 31<sup>ST</sup> May 2024 from 02.00 P.M in the Department of Biotechnology.

The Resource person was Dr. P. Bindhu Madhavi is currently working as Professor and Head of the Department, Artificial Intelligence and Machine Learning, The Oxford College of Engineering, Bangalore.

#### **OBJECTIVES:**

 To provide insights and practical strategies for transitioning innovative prototypes from Technology Readiness Level (TRL) 4 (validation in a laboratory environment) to TRL 9 (successful deployment in an operational environment).

- To discuss best practices, challenges, and solutions to advance technology through the stages of development, testing, and commercialization.
- To equip participants with the knowledge and tools needed to navigate the complex journey from laboratory validation to market deployment, ultimately driving innovation and technological advancement.
- To enhance understanding of the process and challenges of advancing prototypes through TRLs and practical strategies and innovative approaches for successful prototype conversion.

The Department of Biotechnology, TOCE organized an Expert Talk on "INNOVATIVE IDEAS FOR PROTOTYPE CONVERSION FROM TRL 4 – TRL 9" on 31<sup>st</sup> May 2024 from 02.00P.M in the Department of Biotechnology. The expert talk illuminated Technology Readiness Levels (TRLs) are a method of estimating the maturity of technologies during the acquisition phase of a program. These are measured on a scale from 1 to 9, with TRL 1 being the lowest and TRL 9 the highest. The transition from TRL 4 (technology validated in a lab) to TRL 9 (actual system proven in operational environment) involves several stages and challenges.

Dr.P.Bindhu Madhavi provided concrete instances of Transitioning from TRL 4 to TRL 9 require a blend of innovative approaches, strategic planning, and collaborative efforts. By adopting agile development, leveraging advanced technologies like digital twins and ensuring early and continuous user involvement, innovators can successfully navigate the complexities of prototype conversion and bring groundbreaking technologies to market. The Speaker successfully moving a prototype from TRL 4 to TRL 9 requires a combination of innovative strategies, collaborative efforts, and strategic planning. By embracing agile development, leveraging digital tools and advanced manufacturing, involving users early, and securing the necessary funding and regulatory approvals, innovators can effectively navigate the complexities of prototype conversion and bring groundbreaking technologies to market.

The session wrapped up with a Q&A segment, allowing participants to pose their questions. 43 Students and 4 Faculties participated in the expert talk and made the event successful.

#### **OUTCOME:**

• Attendees gained a clear understanding of the steps and strategies required to advance their prototypes from TRL 4 to TRL 9.

- The expert talk would serve as a comprehensive guide for innovators, researchers, and entrepreneurs looking to navigate the complex journey of transforming a lab-validated prototype into a fully operational system ready for market deployment.
- The expert speaker shared the emphasis on innovative strategies, practical examples, and actionable insights would equip attendees with the knowledge and tools necessary to successfully progress through the TRLs.
- Attendees gained exposure to tools and methods that can streamline the prototype development process.



**Glimpses of Expert Talk** 

Recording Link: https://youtu.be/FiCFaTyI-Oc

Facebook: https://www.facebook.com/share/p/Utk21QAzUV591Ss2/?mibextid=xfxF2i

### ATTENDANCE SHEET

#### Expert Talk on "Innovative Ideas for Prototype Conversion from TRL 4 – TRL 9"

Resource Person: Dr. P. Bindhu Madhavi

Designation: Professor & HOD, AIMI, Dept. The Oxford College of Engineering, Bangalore, Date: 31/05/2024

| SI. No | USN /<br>Faculty ID | Name                | Department | Signature      |
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**IIC** Coordinator

ther UP. B.K MANJUNATHA Professor & Head Department of Biotechnology (the Oxford College of Engineering Bengaluru-560 068.

Principal & President HC

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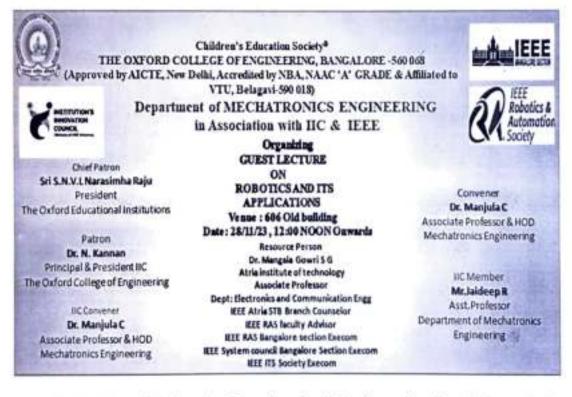




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#### DEPARTMENT OF MECHATRONICS ENGINEERING

#### Guest Lecture on "ROBOTICS AND ITS APPLICATIONS"



The Oxford college of Engineering, Bangalore, Institution Innovation Council in association with Department of Mechatronics Engineering, organized Expert Talk on <u>"ROBOTICS</u> <u>AND ITS APPLICATIONS"</u> by Dr. Mangala Gowri S G Associate Professor Electronics and communication Engineering ATRIA COLLEGE OF ENGINEERING, number of participants attended the session are 55 and faculties attended are 5. Dr. Mangala Gowri S G is an Associate Professor with drive, high energy level, achievementoriented, tireless in the pursuit of personal & Organizational goals, also she is IEEE Atria STB Branch Counsellor, IEEE RAS faculty Advisor, IEEE RAS Bangalore section Execom, IEEE System council Bangalore Section Execom, IEEE ITS Society Execom.

#### Objective:

The objective of the session is to bring the awareness <u>"ROBOTICS AND ITS</u> <u>APPLICATIONS"</u> in real time Applications among the students. Also to get an exposure about applications used in the industry.

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

- The field of robotics develops machines that can automate tasks and do various jobs that a human might not be able to do.
- Robots can be used in many situations for many purposes, but today many are used in dangerous environments including inspection of radioactive materials, bomb detection and deactivation, manufacturing processes, or where humans cannot survive e.g. in space, underwater, in high heat, and clean up and containment of hazardous materials and radiation.
- Robots can take any form, but some are made to resemble humans in appearance. This
  is claimed to help in the acceptance of robots in certain replicative behaviors that are
  usually performed by people.
- All robots contain some level of computer programming code. A program is how a robot decides when or how to do something.
- A robot that needs to move across a muddy road may have the correct mechanical construction and receive the correct amount of power from its battery, but would not be able to go anywhere without a program telling it to move.
- Programs are the core essence of a robot, it could have excellent mechanical and electrical construction.

#### Outcomes:

- Detailed explanation on robotics.
- · Scope of robotics.
- Introduction about Robotic Programming.
- · Latest trends in robotics.
- · Future of robotics.
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## Photos





Facebook link:

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Linkedin link:

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Video link:

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YouTube:

https://studio.youtube.com/video/tZWXFG418\_I/edit

Watsapp:

https://whatsapp.com/channel/0029Va961RDAzNbxmmR6lY3p

Instagram:

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Twitter:

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#### Koo:

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Faculties attended MTE

1) Dr.Manjula C

2) Dr.Madhura S

3) Ms.Seema V

4) Mr.Jaideep R

5) Ms.Annu kumari

### LIST OF PARTICIPANTS

# 3RD SEM

| SL NO | USN        | NAME OF THE STUDENT |
|-------|------------|---------------------|
| 1     | 10X22MT001 | ADARSH              |
| 2     | 10X22MT002 | DELWIN BENSON       |
| 3     | 10X22MT003 | GUNASEELAN V        |
| 4     | 10X22MT004 | LIKITH P            |
| 5     | 10X22MT005 | MANJUNATH R         |
| 6     | 10X22MT006 | MOHAMMED AZHAR      |
| 7     | 10X22MT007 | NACHU MAHESH KUMAR  |
| 8     | 10X22MT009 | RAKSHITH R R        |
| 9     | 10X22MT010 | V N KARTHIKEYA      |

# 5TH SEM

| SL NO | USN        | NAME OF THE STUDENT   |
|-------|------------|-----------------------|
| 1     | 10X21MT001 | ACHYUTHA S S          |
| 2     | 10X21MT002 | AMIN FARAZ AHMED      |
| 3     | 10X21MT003 | ANIRUDDH PRATAP SINGH |
| 4     | 10X21MT004 | ESHU H R              |
| 5     | 10X21MT005 | G K MAANAS            |
| 6     | 10X21MT006 | HARIPRIYA KULKARNI    |

| 7  | 10X21MT007 | JANARDHAN Y V         |
|----|------------|-----------------------|
| 8  | 10X21MT008 | MADHU CHANDAN K CHARI |
| 9  | 10X21MT009 | SATWIK BHATTACHARJEE  |
| 10 | 10X21MT010 | SRIKANTH R            |
| 1  | 10X22MT400 | AKSHAY KRIT K         |
| 2  | 10X22MT401 | GOUTAM D              |
| 13 | 10X22MT402 | HEMANTH C             |
| 4  | 10X22MT403 | LIKITH N              |
| 5  | 10X22MT404 | PRANAV M              |
| 16 | 10X22MT405 | ROHITH N              |
| 17 | 10X22MT406 | SAM S                 |
| 18 | 10X22MT407 | SHAIK SULTHAN A       |
|    |            |                       |

# 7<sup>TH</sup> SEM

| SL NO | USN        | NAME OF THE STUDENT     |
|-------|------------|-------------------------|
| 1     | 10X20MT001 | VISHNU NARAYAN.K        |
| 2     | 10X20MT002 | MOHAMMED MALHAN RABEET  |
| 3     | 10X20MT003 | PRAGNYA RAGHUNANDAN RAG |
| 4     | 10X20MT004 | PRAJWALC SHETTY         |
| 5     | 10X20MT005 | PRAJWAL-H.J             |
| 6     | 10X20MT006 | ROHAN KUMAR.S           |
| 7     | 10X20MT007 | JAYANTH.S               |
| 8     | 10X20MT008 | SOHAN SUNIL JAGJAMPI    |
| 9     | 10X21MT400 | AKSHAY DESHPANDE S A    |
| 10    | 10X21MT401 | AKSHAY KUMAR S          |
| 11    | 10X21MT402 | AMRUTH M C              |
| 12    | 10X21MT403 | BHANUPRASAD             |
| 13    | 10X21MT404 | CHETHAN G M             |
| 14    | 10X21MT405 | DEEPAK N S              |
| 15    | 10X21MT406 | EBENEZER P              |
| 16    | 10X21MT407 | HIREN RALPH FERNANDES   |
| 17    | 10X21MT408 | KRUTIK KURI             |
| 18    | 10X21MT409 | LIKHITHA L D            |
| 19    | 10X21MT410 | LIKITH K                |
| 20    | 10X21MT411 | LOKESH S                |
| 21    | 10X21MT412 | MANTHAN A JADAV         |

| 22 | 10X21MT413 | NIKIL R       |  |
|----|------------|---------------|--|
| 23 | 10X21MT414 | RAAGHUL S     |  |
| 24 | 10X21MT415 | SAGAR S       |  |
| 25 | 10X21MT416 | SIDDARTH S J  |  |
| 26 | 10X21MT417 | SUHAS B       |  |
| 27 | 10X21MT418 | VARUN KUMAR N |  |

IIC CO-ORDINATOR

IEEE CO-ORDINATOR

**IIC CONVERNER** 

HOD/MTE

PRINCIPAL

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Department of Mechatronics The Oxford College Of Engineering Bommanaphalli, Bangalore - 560 008

Prof. & HOD

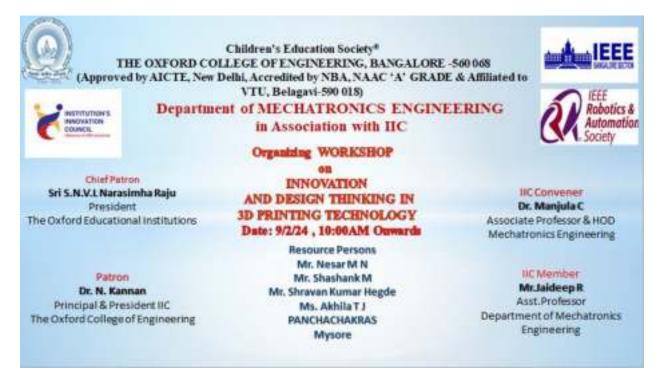




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#### **DEPARTMENT OF MECHATRONICS ENGINEERING**

### WORKSHOP on INNOVATION AND DESIGN THINKING IN 3D PRINTING TECHNOLOGY



The Oxford college of Engineering, Bangalore, Institution Innovation Council in association with Department of Mechatronics Engineering, organized WORKSHOP on INNOVATIONAND DESIGN THINKING IN 3D PRINTING TECHNOLOGY.

The resource persons Mr. Nesar M N, Mr. Shashank M, Mr. Shravan Kumar Hegde, Ms. Akhila T J from PANCHA CHAKRAS, Mysore had high energy level, goal oriented and dedicated personals, number of participants attended the session are 54 and faculties attended are 5.

#### **Objective:**

The objective of the session is to bring the awareness on 3d Printing Technology.

During the session the resource persons explained about the its applications and highlightened the points.

- 3D printing allows for complex geometries and intricate designs that are difficult or impossible to achieve using traditional manufacturing methods. This design freedom enables innovation and customization in product development.
- In design thinking, creativity is used to explore and generate a wide range of solutions to a problem.
- Innovation, on the other hand, is about bringing new and creative ideas to life. It involves taking risks and challenging the status quo to create something new and valuable.
- 3D printing technology provides numerous benefits to the construction industry that traditional manufacturing processes cannot.
- These advantages include the following: Flexible Design and Innovation: Complex shapes and designs are far more possible through 3D printing than with traditional manufacturing processes.
- For industries like aerospace and defense, where highly complex parts are produced in low volumes, 3D printing is ideal. Using the technology, complex geometries can be created without having to invest in expensive tooling equipment.
- 3D printing materials can vary widely, with options that include plastic, powders, resins, metal and carbon fiber.

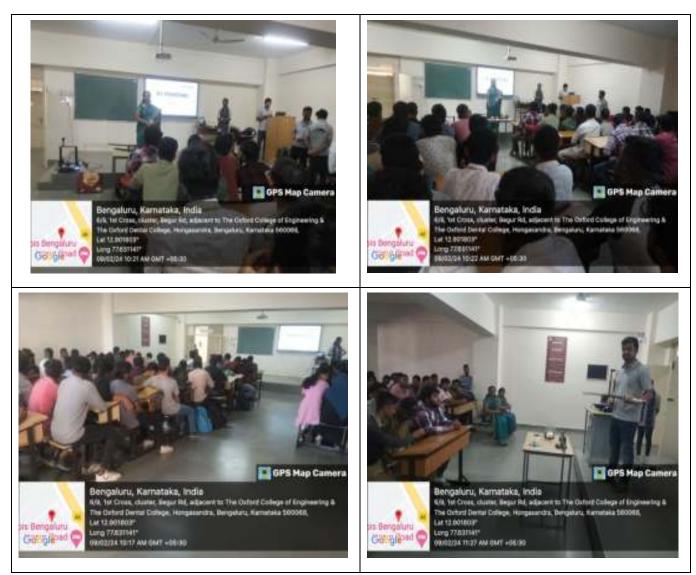
#### **Outcomes:**

- Flexible Design.
- Rapid Prototyping.
- Print on Demand.
- Strong and Lightweight Parts.
- Fast Design and Production.
- Minimising Waste.

#### The session was started with

- Welcome speech.
- Introduction about 3D printing.
- Types of 3D printers.
- Hands on sessions
- Discussion with students
- Vote of thanks

#### **Photos**





#### Facebook link:

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Linkedin link:

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YouTube:

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Instagram:

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Twitter:

https://x.com/TheOxfordColle2/status/1755901029307093413?s=20

Koo:

https://www.kooapp.com/koo/guest\_RB6VS4/06dabd45-4a0e-4df8-b6f4-c371b288c63f

Video link:

https://drive.google.com/file/d/1UqumhSs3TXPPkY\_sbssbIf4cXaExRdw6/view?usp=sharing

Faculties attended from Mechatronics Engineering

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

## LIST OF PARTICIPANTS

# 3<sup>RD</sup> SEM

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| 27    | 10X21MT418 | VARUN KUMAR N           |  |

IIC CO-ORDINATOR

IIC CONVERNER MTE / HOD

PRINCIPAL

Prof. & HOD The Oxford College of Engineering Department of Mechatronics Bommanchalli, Hosur Read The Oxford College Of Engineering Bengaluro -860 668 Bommanahalli, Bangalore - 6

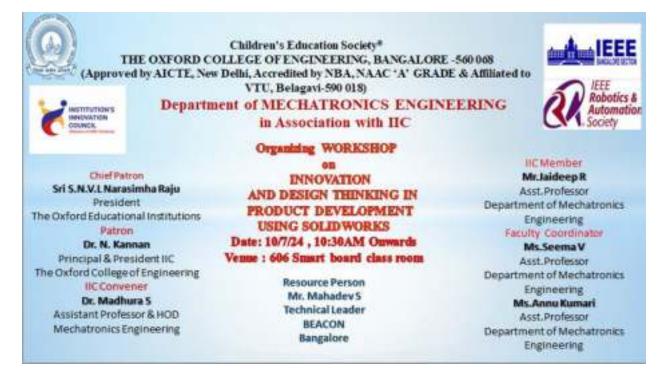




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#### **DEPARTMENT OF MECHATRONICS ENGINEERING**

Workshop on "Innovation and Design thinking in product development using SOLIDWORKS"



The Oxford college of Engineering, Bangalore ,Institution Innovation Council in association with Department of **Mechatronics Engineering organizing** Workshop on "**Innovation and Design thinking in product development using SOLIDWORKS**"

Mr. Mahadev who is an senior software engineering with high drive, high energy level, achievement-oriented, tireless in the pursuit of personal & Organizational goals. Number of students attended the session are 40 and 3 faculty.

#### **Objective:**

The objective of the session is to bring the awareness about and design thinking in Solidworks.

- Product development is evolving rapidly, responding to innovation and user demands.
- The innovative elements in the use of technologies includes designing.
- Designers in the future will have easy tools to make their job easier.
- These innovative tools will help predict how users will behave on product and customize the experience for them.

#### **Outcomes:**

- Apply innovative ideas, information on products.
- Innovative projects using available resource can be made



#### <u>Photos</u>

#### Facebook link:

https://www.facebook.com/photo/?fbid=534008919151156&set=pb.100076261560657.-2207520000

### Videolink:

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# DEPARTMENT OF MECHATRONICS ENGINEERING <u>7<sup>th</sup> SEM</u>

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| 2     | 10X20MT004 | PRAJWAL C SHETTY           | Piktly-     |
| 3     | 10X20MT005 | PRAJWAL.H.J                | Anc         |
| 4     | 10X20MT006 | ROHAN KUMAR.S              | 4 m He      |
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| 6     | 1OX20MT008 | SOHAN SUNIL JAGJAMPI       | R. A. T. de |
| 7     | 10X21MT400 | AKSHAY DESHPANDE S A       | Arcenderin  |
| 8     | 1OX21MT401 | AKSHAY KUMAR S             | Kunda       |
| 9     | 1OX21MT405 | DEEPAK N S                 | Despaic     |
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DEPARTMENT OF MECHATRONICS ENGINEERING

| SL NO | USN        | NAME OF THE STUDENT      | SIGNATURE     |
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| 1     | 1OX21MT001 | ACHYUTHA S S             | Achundt       |
| 2     | 10X21MT002 | AMIN FARAZ AHMED         | Amin P        |
| 3     | 1OX21MT003 | ANIRUDDH PRATAP SINGH    | Anna          |
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| 5     | 10X21MT005 | G K MAANAS               | Mannes        |
| 6     | 10X21MT006 | HARIPRIYA KULKARNI       | AP Ruge       |
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## DEPARTMENT OF MECHATRONICS ENGINEERING <u>3<sup>rd</sup></u> SEM

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| SL NO | USN        | NAME OF THE STUDENT | SIGNATURE   |
|-------|------------|---------------------|-------------|
| 1     | 10X22MT001 | ADARSH              | SIGNATURE   |
| 2     | 10X22MT002 | DELWIN BENSON       | Adard       |
| 3     | 10X22MT003 | GUNASEELAN V        | S Delini    |
| 4     | 10X22MT004 | LIKITH P            | C. Makert   |
| 5     | 10X22MT005 | MANJUNATH R         | S ACTC .    |
| 6     | 10X22MT006 | MOHAMMED AZHAR      | morjurach   |
| 7     | IOX22MT007 | NACHU MAHESH KUMAR  | Mit Alla    |
| 8     | 10X22MT009 | RAKSHITH R R        | Mahant      |
| 9     | 1OX22MT010 | V N KARTHIKEYA      | Anchine_    |
| 10    | 1OX23MT400 | ABHISHEK A M        | Kon Shilena |
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| 12    | IOX23MT402 | ANIL KUMAR S        | Anilken     |

IIC CO-OBDINATOR

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PRINCIPAL

Prof. & HOD Department of Mechatroni The Oxford College Of Engineering Bommisnahalli, Bangalore - 560 640

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PRINCIPAL The Oxford College of Engineering Bommanahalili, Hosur Road Bengniuru -560 068

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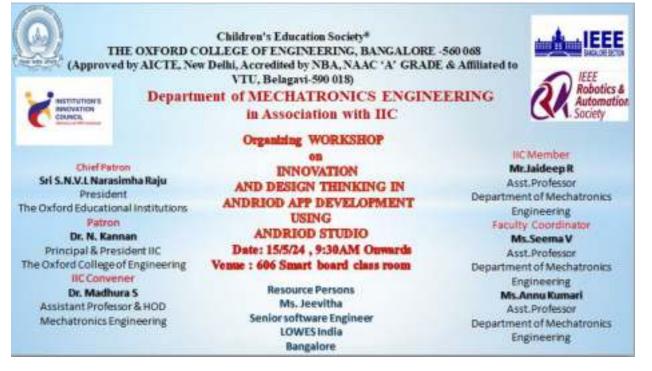




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#### **DEPARTMENT OF MECHATRONICS ENGINEERING**

## WORKSHOP on INNOVATION AND DESIGN THINKING IN ANDRIOD APP DEVELOPMENT USING ANDRIOD STUDIO



The Oxford college of Engineering, Bangalore ,Institution Innovation Council in association with Department of Mechatronics Engineering organizing WORKSHOP on INNOVATION AND DESIGN THINKING IN ANDRIOD APP DEVELOPMENT USING ANDRIOD STUDIO.

Ms. Jeevitha who is an senior software engineering with high drive, high energy level, achievement-oriented, tireless in the pursuit of personal & Organizational goals. Number of students attended the session are 40 and 3 faculty.

#### **Objective:**

The objective of the session is to bring the awareness about and design thinking in android app development using android studio.

#### **Benefits**

- App development is evolving rapidly, responding to innovation and user demands.
- The innovative elements in the use of App development technologies includes AI chatbots.
- This enhances user interaction and automated customer service. Bots help to understand and respond to user queries.
- The increased emphasis on accessibility with Voice UI is one of the leading innovation in web development.
- Users can engage with web applications using voice and natural language commands through a innovative Voice User Interface or Voice UI technology.
- App designers in the future will have AI tools to make their job easier.
- These innovative tools will help predict how users will behave on a website and customize the experience for them.

#### **Outcomes:**

- Apply innovative ideas, information, products, and services on websites.
- Innovative projects using available resource can be made.

#### <u>Photos</u>



Facebook link:

https://www.facebook.com/photo/?fbid=476234368261945&set=a.177418398143545

Linkedin link:

https://www.linkedin.com/feed/update/urn:li:activity:7201137215580626944?utm\_source= share&utm\_medium=member\_desktop

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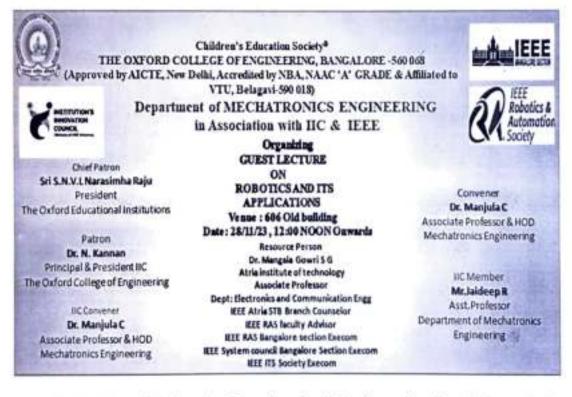




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#### DEPARTMENT OF MECHATRONICS ENGINEERING

#### Guest Lecture on "ROBOTICS AND ITS APPLICATIONS"



The Oxford college of Engineering, Bangalore, Institution Innovation Council in association with Department of Mechatronics Engineering, organized Expert Talk on <u>"ROBOTICS</u> <u>AND ITS APPLICATIONS"</u> by Dr. Mangala Gowri S G Associate Professor Electronics and communication Engineering ATRIA COLLEGE OF ENGINEERING, number of participants attended the session are 55 and faculties attended are 5. Dr. Mangala Gowri S G is an Associate Professor with drive, high energy level, achievementoriented, tireless in the pursuit of personal & Organizational goals, also she is IEEE Atria STB Branch Counsellor, IEEE RAS faculty Advisor, IEEE RAS Bangalore section Execom, IEEE System council Bangalore Section Execom, IEEE ITS Society Execom.

#### Objective:

The objective of the session is to bring the awareness <u>"ROBOTICS AND ITS</u> <u>APPLICATIONS"</u> in real time Applications among the students. Also to get an exposure about applications used in the industry.

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

- The field of robotics develops machines that can automate tasks and do various jobs that a human might not be able to do.
- Robots can be used in many situations for many purposes, but today many are used in dangerous environments including inspection of radioactive materials, bomb detection and deactivation, manufacturing processes, or where humans cannot survive e.g. in space, underwater, in high heat, and clean up and containment of hazardous materials and radiation.
- Robots can take any form, but some are made to resemble humans in appearance. This
  is claimed to help in the acceptance of robots in certain replicative behaviors that are
  usually performed by people.
- All robots contain some level of computer programming code. A program is how a robot decides when or how to do something.
- A robot that needs to move across a muddy road may have the correct mechanical construction and receive the correct amount of power from its battery, but would not be able to go anywhere without a program telling it to move.
- Programs are the core essence of a robot, it could have excellent mechanical and electrical construction.

#### Outcomes:

- Detailed explanation on robotics.
- · Scope of robotics.
- Introduction about Robotic Programming.
- · Latest trends in robotics.
- · Future of robotics.
  - 625

# Photos





Facebook link:

https://www.facebook.com/photo/?fbid=365758855976164&set=a.177418398143545

Linkedin link:

https://media.licdn.com/dms/image/D5622AQFIjojibVKnPA/feedshare-

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Video link:

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YouTube:

https://studio.youtube.com/video/tZWXFG418\_I/edit

Watsapp:

https://whatsapp.com/channel/0029Va961RDAzNbxmmR6lY3p

Instagram:

https://www.instagram.com/p/C0TLM0AJIvr/?igshid=Zj10YTZmZTMwMg==

Twitter:

https://x.com/TheOxfordColle2/status/1729820061488103741?s=20

#### Koo:

## https://www.kooapp.com/koo/guest\_RB6VS4/d2558d72-925e-4dce-8ff5-f87444c55604

Faculties attended MTE

1) Dr.Manjula C

2) Dr.Madhura S

3) Ms.Seema V

4) Mr.Jaideep R

5) Ms.Annu kumari

## LIST OF PARTICIPANTS

# 3RD SEM

| SL NO        | USN                       | NAME OF THE STUDENT |  |
|--------------|---------------------------|---------------------|--|
| 1            | 10X22MT001                | ADARSH              |  |
| 2            | 10X22MT002                | DELWIN BENSON       |  |
| 3            | 10X22MT003                | GUNASEELAN V        |  |
| 4            | 10X22MT004                | LIKITH P            |  |
| 5            | 10X22MT005                | MANJUNATH R         |  |
| 6            | 10X22MT006                | MOHAMMED AZHAR      |  |
| 7 10X22MT007 |                           | NACHU MAHESH KUMAR  |  |
| 8 10X22MT009 |                           | RAKSHITH R R        |  |
| 9            | 10X22MT010 V N KARTHIKEYA |                     |  |

# 5TH SEM

| SL NO                         | USN        | NAME OF THE STUDENT   |  |
|-------------------------------|------------|-----------------------|--|
| 1                             | 10X21MT001 | ACHYUTHA S S          |  |
| 2 10X21MT002 AMIN FARAZ AHMED |            | AMIN FARAZ AHMED      |  |
| 3 10X21MT003                  |            | ANIRUDDH PRATAP SINGH |  |
| 4 10X21MT004                  |            | ESHU H R              |  |
| 5 10X21MT005                  |            | G K MAANAS            |  |
| 6 10X21MT00                   |            | HARIPRIYA KULKARNI    |  |

| 7  | 10X21MT007 | JANARDHAN Y V         |  |  |
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| 8  | 10X21MT008 | MADHU CHANDAN K CHARI |  |  |
| 9  | 10X21MT009 | SATWIK BHATTACHARJEE  |  |  |
| 10 | 10X21MT010 | SRIKANTH R            |  |  |
| 1  | 10X22MT400 | AKSHAY KRIT K         |  |  |
| 2  | 10X22MT401 | GOUTAM D              |  |  |
| 13 | 10X22MT402 | HEMANTH C             |  |  |
| 4  | 10X22MT403 | LIKITH N              |  |  |
| 5  | 10X22MT404 | PRANAV M              |  |  |
| 16 | 10X22MT405 | ROHITH N              |  |  |
| 17 | 10X22MT406 | SAM S                 |  |  |
| 18 | 10X22MT407 | SHAIK SULTHAN A       |  |  |
|    |            |                       |  |  |

# 7<sup>TH</sup> SEM

| SL NO         | USN        | NAME OF THE STUDENT     |  |
|---------------|------------|-------------------------|--|
| 1             | 10X20MT001 | VISHNU NARAYAN.K        |  |
| 2             | 10X20MT002 | MOHAMMED MALHAN RABEET  |  |
| 3             | 10X20MT003 | PRAGNYA RAGHUNANDAN RAG |  |
| 4             | 10X20MT004 | PRAJWALC SHETTY         |  |
| 5             | 10X20MT005 | PRAJWAL-H.J             |  |
| 6             | 10X20MT006 | ROHAN KUMAR.S           |  |
| 7             | 10X20MT007 | JAYANTH.S               |  |
| 8             | 10X20MT008 | SOHAN SUNIL JAGJAMPI    |  |
| 9             | 10X21MT400 | AKSHAY DESHPANDE S A    |  |
| 10            | 10X21MT401 | AKSHAY KUMAR S          |  |
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| 12            | 10X21MT403 | BHANUPRASAD             |  |
| 13            | 10X21MT404 | CHETHAN G M             |  |
| 14            | 10X21MT405 | DEEPAK N S              |  |
| 15            | 10X21MT406 | EBENEZER P              |  |
| 16            | 10X21MT407 | HIREN RALPH FERNANDES   |  |
| 17            | 10X21MT408 | KRUTIK KURI             |  |
| 18            | 10X21MT409 | LIKHITHA L D            |  |
| 19            | 10X21MT410 | LIKITH K                |  |
| 20            | 10X21MT411 | LOKESH S                |  |
| 21            | 10X21MT412 | MANTHAN A JADAV         |  |

| 22 | 10X21MT413 | NIKIL R       |   |
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| 23 | 10X21MT414 | RAAGHUL S     |   |
| 24 | 10X21MT415 | SAGAR S       |   |
| 25 | 10X21MT416 | SIDDARTH S J  |   |
| 26 | 10X21MT417 | SUHAS B       | _ |
| 27 | 10X21MT418 | VARUN KUMAR N |   |

IIC CO-ORDINATOR

IEEE CO-ORDINATOR

**IIC CONVERNER** 

HOD/MTE

PRINCIPAL

Die Oxford College of Engineer Bommanahall, Hosur Road nics Berimeluru-560.068

Department of Mechatronics The Oxford College Of Engineering Bommanaphalli, Bangalore - 560 008

Prof. & HOD



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

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi. Approved by A.I.C.T.E. New Delhi. Recognised by UGC Under Section 2(f) Bommanahalli, Hosur Road, Bangalore - 560 068. Ph: 080-61754601/602, Fax: 080 - 25730551 E-mail: engprincipal@theoxford.edu Web: www.theoxford.engg.org

## 1.My story-Motivational session by successful innovators (25/11/2023)

|   |           | Children's Education Society <sup>4</sup><br>COLLEGE OF ENGINEERING, BANGALORE<br>Yew Delki, Accredited by NBA, NAAC 'A' GRADI<br>VTU, Belagavi-590 015) |   |
|---|-----------|--|---|
|   | Departs   | nent of Computer Science and Engine  | ering and   |
| Canada  | Departmen | at of Artificial Intelligence and Machin   | ie Learning   |
|   |           | Organizing a<br>Expert talk<br>On  |   |
| Chief Patron<br>Dr. S.N.V.L Narasim<br>President<br>The Oxford Educations<br>Patron | nha Raju  | "My Story - Motivational Session<br>by Successful Innovators"<br>Date: 25.11.2023<br>10 am oniwards  | IIC Convener<br>Dr. Manjula C<br>HOD, Mechatronics.<br>Convener<br>Dr. R CH A Naidu<br>HOD, CSE |
| Dr. N. Kanni<br>Principal & Presi<br>The Oxford College of                          | dent IIC  | Venue: N313.<br>Resource Person:<br>Ms. Supriya,   | Dr.Bindhu Madhavi<br>HOD,AIML<br>IIC AMBASSADORS  |
|   | Sen       | ior Engineer, Siemens Healthineers,<br>Bangalore.  | Dr. E Saravana Kumar, CSE<br>Prof. Sathya M,CSE<br>Prof.Subaranjani T,AIML                      |

Hosted by: The Department of Computer Science & Engineering and Department of Artificial Intelligence and Machine Learning, IIC, The Oxford College of Engineering, Bengaluru Resource Person: Ms. Supriya, Senior Engineer, Siemens Healthineers, Bangalore Date and Time: 25.11.2023 (Saturday), 10:00 AM Onwards Venue: N313 (New Building), The Oxford College of Engineering, Bengaluru

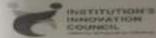
OBJECTIVES: The primary objective of the "My Story - Motivational Session by Successful Innovators" workshop was to inspire and guide undergraduate students and faculty members in recognizing and harnessing innovation opportunities in the realm of technology and entrepreneurship. The session, led by Ms. Supriya, a distinguished engineer from Siemens Healthineers, aimed to: 1. Illuminate the path to innovative thinking and its application in real-world scenarios, particularly in the fields of computer science, artificial intelligence, and machine learning. 2. Provide insights into the journey of becoming a successful innovator, with a focus on the critical aspects of ideation, perseverance, and strategy in the tech industry.

3. Foster an understanding of the synergy between academic knowledge and practical application, emphasizing the role of innovative thought in solving complex problems. 4. Encourage a culture of entrepreneurship within the academic community, highlighting how technological advancements can lead to impactful business ventures. 5. Create a platform for networking and collaboration among students, faculty, and industry experts, fostering an ecosystem of knowledge sharing and mentorship. OUTCOMES: The workshop successfully achieved its objectives, as evidenced by the following outcomes: 1. Enhanced Understanding of Innovation: Participants gained a comprehensive understanding of the innovation process, from ideation to implementation, particularly in the tech sector. 2. Real-World Applications: The session provided valuable insights into applying theoretical knowledge to practical scenarios, encouraging students to think beyond the classroom. 3. Inspirational Learning: Ms. Supriya's journey resonated with the audience, offering a relatable and motivational blueprint for aspiring innovators and entrepreneurs. 4. Entrepreneurial Spirit: The workshop sparked interest in entrepreneurship, with students showing keen interest in exploring startup opportunities and innovative solutions to societal challenges. 5. Networking and Collaboration: The event served as a platform for establishing connections between students, faculty, and industry professionals, laying the groundwork for future collaborations and mentorships. Participation: The session witnessed enthusiastic participation from approximately 54 students and 3 faculty members, indicating a strong interest in the subject matter and the speaker. This workshop stands as a testament to The Oxford College of Engineering's commitment to fostering an environment of innovation and entrepreneurship. The insights and experiences shared by Ms. Supriva are expected to have a lasting impact on the participants, guiding them in their future endeavors in the realm of technology and innovation.

Social Media Link:

- <u>https://www.facebook.com/photo.php?fbid=365681772650539&set=pb.1000762615606</u> 57.-2207520000&type=3
- 2. https://www.youtube.com/watch?v=40EfIDA9pwk

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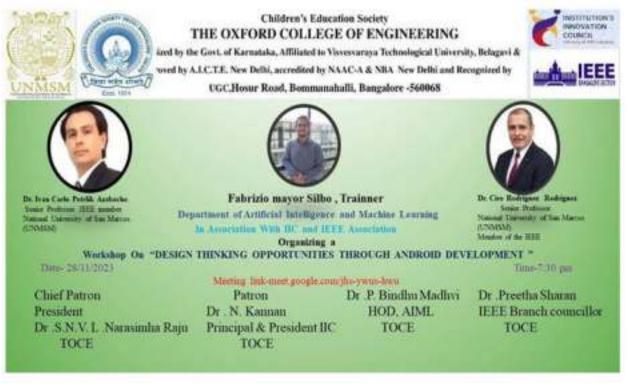
#### ATTENDANCE SHEET

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#### 2. WORKSHOP on "DESIGN THINKING OPPORTUNITIES THROUGH ANDROID DEVELOPMENT" (28/11/23)



Hosted by: Department of Artificial Intelligence and Machine Learning, IIC, The Oxford College of Engineering, Bengaluru, India Resource Person: Fabrizio Mayor Silbo, Trainer Date and Time: 28.11.2023 (Wednesday), 7.30 PM Onwards Venue: Online - meet.google.com/jhs-ywus-hwu

OBJECTIVES: The "Development of Android Application" workshop was organized with the following objectives: 1. Skill Enhancement in Android App Development: To provide undergraduate students and faculty members with hands-on experience in developing Android applications, enhancing their programming and software development skills. 2. Understanding the Android Ecosystem: To offer comprehensive knowledge about the Android operating system, its architecture, and the app development process. 3. Encouraging Innovation in Mobile Technology: To inspire innovative thinking in the field of mobile technology and app development among participants. 4. Career Development: To prepare participants for potential career opportunities in the field of mobile app development and related technological sectors. 5. Bridging Theory and Practice: To connect theoretical knowledge of computer science and software engineering with practical applications in the development of Android applications.

OUTCOMES: The workshop led to several key outcomes: 1. Practical Skills in App Development: Participants acquired practical skills in Android application development, including coding, design, and deployment of mobile applications. 2. In-depth Understanding of Android OS: Attendees gained a deeper understanding of the Android operating system, its functionalities, and the application development framework. 3. Innovation and Creativity: The workshop encouraged creative thinking, leading participants to explore innovative ideas for Android app development. 4. Career Readiness:

Students and faculty members were better equipped to pursue careers in mobile technology, armed with the skills and knowledge gained from the workshop. 5. Enhanced Collaboration Skills: Participants learned the importance of teamwork and collaboration in the software development process, mirroring real-world work environments. Participation: The event witnessed active participation from a significant number of students and faculty members, reflecting a strong interest in Android app development and its potential applications. In conclusion, the "Development of Android Application" workshop at The Oxford College of Engineering successfully achieved its objectives, equipping participants with valuable skills in mobile technology and fostering a spirit of innovation and creativity in the field of Android app development. Around 30 students Participated in this Event.

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#### 3."SNAPCHAT LENS MAKING WORKSHOP"( 6/12/2023)



The Oxford College of Engineering's Department of Artificial Intelligence and Machine Learning proudly hosted a Snapchat Lens Making Workshop on December 6, 2023. The event was meticulously organized by the AI Alpha Core Club and drew an enthusiastic group of 49 students and 3 faculty members. The event aimed to blend AI-powered technology with social media innovation, encouraging participants to develop practical skills in augmented reality and digital creativity.

OBJECTIVES: The workshop was designed with the following objectives: 1. To Introduce Augmented Reality and Its Tools: Educate participants about AR and the technical tools available for creating digital enhancements in social media. 2. To Foster Digital Creativity: Encourage the development of unique and engaging Snapchat lenses that can captivate users and demonstrate the power of digital expression. 3. To Enhance AI Literacy: Improve participants' understanding of AI applications in social media and its potential for future technological innovations.

4. To Promote Skill Application: Provide a platform for students and faculty to apply theoretical knowledge to real-world digital content creation. 5. To Offer Career Development: Guide participants towards leveraging these skills for career opportunities in AI, social media management, and digital content creation.

OUTCOMES: Following the workshop, the AI Alpha Core Club reported the following outcomes: 1. Skill Acquisition: Participants learned essential skills in AR and 3D modeling, enabling them to create their own Snapchat lenses and apply these skills in other areas of digital media. 2. Practical Knowledge Application: Students and faculty applied their new skills to design personalized Snapchat lenses, demonstrating their ability to transform theory into practice. 3. Increased AI Engagement: There was a notable increase in interest in AI applications within social media, with participants showing eagerness to explore further educational opportunities. 4. Certification and Recognition: Each participant received a certificate, endorsing their new competencies and contributing to their professional qualifications. 5. Inspiration for Innovation: The workshop inspired attendees to think creatively about the use of AI in digital media and consider the potential for entrepreneurship in this space. Reflection and Future Directions: The Snapchat Lens Making Workshop marks a significant step towards integrating cutting-edge AI technology with creative digital media practices. The AI Alpha Core Club has set a precedent for future workshops that can nurture talent and stimulate innovation within the student body. The successful outcomes of this event lay the groundwork for more advanced seminars and collaborative projects that can bridge the gap between technology and entrepreneurship, fostering a generation of skilled creators ready to make their mark in the digital world.

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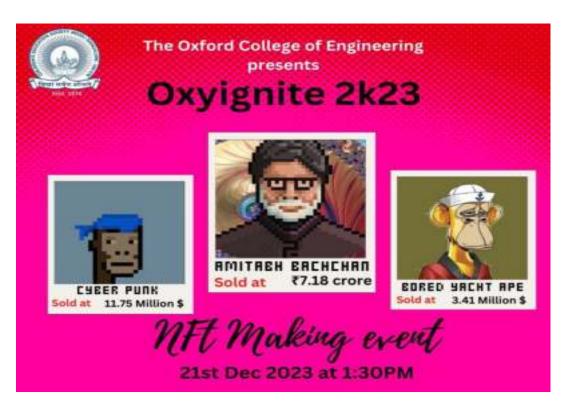


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4. "Design Thinking Opportunities through NFT Making - Oxyignite 2K23"(21/12/23)





Workshop Report: Design Thinking and Innovation Opportunities in NFT Creation and Utilization

Hosted by: Department of Artificial Intelligence and Machine Learning, The Oxford College of Engineering

Event Date and Time: December 21, 2023, 1:30 PM

Venue: 5th Floor Seminar Hall (New Building), The Oxford College of Engineering

Objectives

#### **Embracing Digital Innovation:**

The Oxford College of Engineering, in its pursuit of digital excellence, hosted the "NFT Making - NFT Presentation Competition" as part of the Oxyignite 2K23 symposium. This initiative aimed to integrate the rapidly evolving world of blockchain and Non-Fungible Tokens (NFTs) into the college's educational framework, marking a significant step in digital transformation.

Educational Advancement in Blockchain Technology:

Focused on educating participants about the foundational aspects of NFTs, the workshop provided a comprehensive understanding of digital asset creation and blockchain technology, emphasizing the relevance of NFTs in modern digital ownership and creative processes through design thinking.

#### Outcomes

Achievements of the Workshop:

1. Technical Mastery: Participants gained hands-on experience in NFT creation, smart contract intricacies, and platform navigation.

2. Creative Exploration: The workshop sparked innovative and diverse digital art creations, showcasing the creative design thinking capabilities of the participants.

3. Entrepreneurial Acumen: Attendees acquired a thorough understanding of the business aspects of digital art, particularly in monetizing creative content within the NFT domain.

4. Community Building: The event served as a networking platform, connecting students and faculty with peers and industry professionals, fostering a community focused on digital innovation.

**Workshop Dynamics:**The workshop blended theoretical teachings with practical applications, led by industry experts. It provided a holistic view of the NFT ecosystem, complemented by practical exercises in NFT creation and marketing.

#### **Participant Involvement:**

The event saw active participation from both internal (57 teams) and external (11 teams) contingents, culminating in a competitive presentation of digital artworks, with winners receiving awards and recognition.

The NFT Making Event at The Oxford College of Engineering has set a new direction for engaging with digital asset creation and commerce, laying a foundation for future workshops in this burgeoning field. We express our sincere gratitude to the chief guests, faculty, and all the participants for their invaluable contributions, making this workshop a nexus of knowledge, creativity, and design thinking in the realm of digital innovation.

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| The    | Oxford  | College      | of |              |                              |
| Engine | eering  | _            |    | Supriya      | BE CSE                       |
| The    | Oxford  | College      | Of |              |                              |
| Engine | eering  |              |    | Rohan Vats   | CSE                          |
| The    | Oxford  | College      | Of |              |                              |
| Engine | eering  |              |    | Lahari HR    | Engineering Computer Science |
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| Engine | eering  |              |    | Lohan V      | Engineering Computer Science |
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| Engine | eering  |              |    | Rahul S      | CSE                          |
| The    | Oxford  | College      | Of |              |                              |
| Engine | eering  |              |    | Manikandan R | Engineering Computer Science |
| THE (  | OXFORD  | COLLEGE      | OF | K Meghanath  |                              |
| ENGI   | NEERING |              |    | Reddy        | Engineering and CSE          |
| The    | Oxford  | College      | of |              |                              |
| Engine | eering  |              |    | Kishor S B   | CSE                          |
| The    | Oxford  | college      | of |              |                              |
| Engine | eering  |              |    | Haritha Kaya | BE and AIML                  |

#### **Student Registration Details:**

| The Oxford College of         |                 |  |
|-------------------------------|-----------------|--|
| Engineering                   | Likith Kumar B  | BE(AIML)                                     |
| The Oxford College of         |                 |  |
| Engineering                   | Chetan M        | Aiml   |
| The Oxford college of         |                 |  |
| engineering                   | Mahesh M        | Aiml   |
| The oxford college of         |                 |  |
| engineering                   | Jaikishore M    | Aiml   |
| The Oxford College of         |                 |  |
| Engineering                   | Venkatraju N    | AIML   |
| THE OXFORD COLLEGE OF         |                 |  |
| ENGINEERING                   | VIJAY A P       | AIML 5th Sem                                 |
| THE OXFORD COLLEGE OF         | HEMANTH N       | ARTIFICIAL INTELLIGENCE AND                  |
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| The Oxford college of         |                 |  |
| Engineering                   | Priya Dharshini | AIML   |
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| engineering                   | Praveen.K       | Aiml   |
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| Engineering                   | Chandrika. N    | BEAIML                                       |
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| engineering                   | Mahalakshmi     | BEAIML                                       |
| The oxford College of         |                 |  |
| engineering                   | Vrinda          | BEAIML                                       |
| The Oxford College of         | Zainab          |  |
| Engineering                   | Mahboob Shaik   | BEAIML                                       |
| The Oxford college of         |                 |  |
| engineering                   | Mahalakshmi B   | BEAIML                                       |
| Sri Sairam College of         |                 |  |
| Engineering.                  | Samvida S       | B.E and AIML                                 |
| Oxford College of Engineering | Sirisha.S       | Artificial intelligence and machine learning |
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| Engineering                   | Spandana M B    | Aiml   |
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| Engineering                   | Rishi Roy       | Computer science engineering                 |

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| Engineering                          | V Harika      | Cse                          |
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| engineering                          | Bharath P     | CSE                          |
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| Engineering                          | Imthiyaz K    | Computer science engineering |
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| Oxford college of engineering        | Sonika B S    | AIML                         |
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| engineering                          | Vignesh       | B.E Cse                      |
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| engineering                          | Tarun Aditya  | AIML P4                      |
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| Engineering                          | PRANAV P      | AIML                         |
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| engineering                          | Ridhi Shankar | Ise , be                     |
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| engineering                          | Mayur Lahoti  | AIML                         |

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| engineering                       | Dharshini A   | ISE                                 |
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| engineering                       | Manasa. M. S  | ISE                                 |
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| engineering                       | Akshay Patil  | Engineering Ece                     |
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| TECHNOLOGY                        | Vishnu        | CSE                                 |
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| engineering                       | Sharan S      | Aiml                                |
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| engineering                       | Gagandeep n.k | AIML                                |
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| engineering                       | Suhasini V    | ECE                                 |
| The Oxford College of             |               |                                     |
| Engineering                       | Keerthi Reddy | BE (AIML)                           |
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| engineering                       | Vaishnavi H   | AIML                                |
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| engineering Banglore              | Roja Mk       | CSE                                 |
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| Anekal                            | Yeshaswini R  | B.E CSE                             |
| Sri Sairam college of engineering | Tanuja K N    | B.E and CSE                         |
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| Engineering                       | Brunda K      | B.E. and CSE                        |
| Sir Sairam College of             |               |                                     |
| Engineering Anekal                | Poornima N    | B.E. Computer Science               |
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## 5. "Entrepreneurship and Startup Opportunities for Young Engineers" (5/1/24)



The Oxford College of Engineering Event Details - Date: January 5, 2024 - Time: 11:00 AM Onwards - Venue: 5th Floor Seminar Hall - Department: Artificial Intelligence and Machine Learning Engineering & Bio Technology - In Association With: Institution's Innovation Council (IIC) -Resource Person: Mr. M. Thaneshwar Singh, Ientra Business Solutions Pvt. Ltd.

OBJECTIVES The workshop is meticulously designed to foster the innovative spirit among young engineers who aspire to venture into entrepreneurship. The key objective is to elucidate the synergistic relationship between entrepreneurship and technological innovation, specifically within the domains of Artificial Intelligence, Machine Learning, and Biotechnology. The workshop aims to: 1. Educate participants about the entrepreneurial ecosystem and the vital role of innovation in business development. 2. Equip students and faculty with insights into the dynamics of startup culture and incubation processes. 3. Impart knowledge on the challenges and rewards of entrepreneurship, including ideation, funding, and scaling up. 4. Encourage the development of entrepreneurial qualities and an understanding of the factors influencing startup success.

OUTCOMES Upon completion of the workshop, participants are expected to have gained: 1. An enhanced understanding of entrepreneurship as a viable career path, especially in cutting edge technology sectors. 2. The ability to critically analyze market opportunities and apply innovative solutions to real world problems. 3. Insights into the journey of entrepreneurship, from conceptualization to execution, drawing on the experiences of successful entrepreneurs. 4. A comprehensive view of the entrepreneurial landscape, focusing on incubation support, funding strategies, and business model formulation. 5. Inspiration from success stories, fostering a mindset oriented towards innovation, sustainability, and ethical business practices. PARTICIPATION The workshop witnessed enthusiastic participation from: - Students: 65 - Faculty Members: 3 This report encapsulates the essence of the workshop and its pivotal role in shaping the entrepreneurial journey of young engineers at The Oxford College of Engineering. The dedication to creating a fertile ground for innovation is evident in the outcomes and objectives, ensuring a continuous contribution to the entrepreneurial fabric of the technology sector. Social

Media

Link:

https://www.facebook.com/photo.php?fbid=389286690290047&set=pb.10007626156



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6. WORKSHOP on "Innovation Opportunities in Business Analytics using Power BI"



Hosted by: Department of Artificial Intelligence & Machine Learning, The Oxford College of Engineering, Bengaluru, in collaboration with Institution's Innovation Council (IIC). Date and Time: 29th and 30th of January, 2024, from 09:00 AM.

Location: AI/ML Lab, Old Building, The Oxford College of Engineering, Bengaluru. Expert Facilitator: Mr. Ragesh Varma, AI Domain Expert, NAMMA Technology.

#### **OBJECTIVES:**

The workshop was strategically crafted to spotlight the role of innovation in the realm of Business Analytics. The objectives were centered around fostering a culture of innovation through analytics: - To introduce and integrate innovative practices in the analysis and visualization of business data.

- To explore the transformative potential of Power BI in crafting inventive business strategies.

- To underscore the importance of innovation in converting data insights into actionable business initiatives.

- To build a bridge between theoretical concepts of Business Analytics and their innovative applications in real-world scenarios.

- To nurture an innovative mindset that encourages the pursuit of entrepreneurial endeavors using analytics as a core tool.

Mr. Ragesh Varma delivered comprehensive sessions on leveraging the power of analytics for fostering innovation in business practices and strategies.

#### **OUTCOMES:**

The workshop's focus on innovation led to several key outcomes:

- Participants gained an in-depth understanding of how Business Analytics serves as a catalyst for innovation in various business functions.

- Enhanced skill sets in employing Power BI to not just interpret data, but to innovatively present and utilize data for competitive advantage.

- Development of a strategic mindset that uses analytical insights to drive innovative business models and solutions.

- Participants were inspired to envision and ideate novel business ventures and innovative products/services by applying analytical tools and methodologies.

- The workshop acted as an incubator for innovative thinking, encouraging participants to propose groundbreaking business solutions as a part of their final projects.

#### **Engagement and Impact:**

With 62 students and 3 faculty members in attendance, the workshop was a hub of creative and analytical energy. The participants commended the workshop for its unique approach to fusing Business Analytics with innovation, with many showcasing a desire to delve deeper into this integrative field.

In essence, the workshop not only educated the participants about Business Analytics but, more importantly, ignited the spark of innovation, setting the stage for the next generation of entrepreneurs and business leaders equipped with analytical prowess and an innovative mindset. This initiative has significantly contributed to reinforcing The Oxford College of Engineering's commitment to being a cradle of innovation and entrepreneurship.

#### Social Media Link:

https://www.facebook.com/photo?fbid=404205858798130&set=a.177418398143545

#### Video Link:

https://drive.google.com/drive/folders/109j4T9ORcdSdLLX3O9xMfI9n5SJ1IDa7?usp=sharing







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#### 7. Workshop on AWS Fundamental Computing-Research Perspective



The Oxford college of Engineering, Bangalore- Institution Innovation Council in association with The Oxford college of Engineering, Bangalore organized "A Workshop on AWS Fundamental Computing-Research Perspective" from 4<sup>th</sup> march to 6<sup>th</sup> march 2024, 09:00 AM to 05:00 PM by Mr. Faizan, research associate -AWS Cloud.

#### **OBJECTIVES:**

The workshop titled "A Workshop on AWS Fundamental Computing-Research Perspective " was meticulously planned to provide undergraduate students and faculty members of The Oxford College of Engineering with a comprehensive understanding and hands-on experience of the Azure AI Services. The sessions were intricately designed to traverse through Azure AI fundamentals, including text analysis, speech recognition and translation, and image analysis with the Azure AI Vision service. Participants were given the opportunity to build language understanding models and chatbots using the Azure AI Language service and Bot Framework SDK, respectively.

The primary goal was to augment the skill set of attendees in the AI domain, thereby enhancing their ability to innovate and foster career opportunities in AI-driven entrepreneurship and technological advancement.

#### **OUTCOMES:**

By the conclusion of the workshop, students and faculty members had acquired a profound practical proficiency in Azure AI Services. They were adept at:

1. Analysing and translating text, recognizing patterns, and synthesizing insights from data.

2. Utilizing speech services for both recognition and translation tasks, bridging communication gaps in real-time scenarios.

3. Developing sophisticated language understanding models to create more intuitive AI interactions.

4. Crafting advanced bots with the Bot Framework SDK, enabling automated customer service and interactive engagement.

5. Implementing Azure AI Vision to analyse visual content, facilitating groundbreaking innovation in image processing and computer vision.

The workshop successfully instilled a rich understanding of the vital relationship between AI services and entrepreneurship. Participants emerged more prepared to take on challenges and capitalize on AI technologies for business innovation. They were also provided with additional resources for continued learning and exploration, including detailed lab exercises and extensive online materials available through Skillable and Cloud that learning platforms.

This initiative, by imparting cutting-edge AI skills and an entrepreneurial mindset, aspired to catalyse the incubation of student-led startups and AI-driven innovations within the college's ecosystem, contributing to the broader tech-driven entrepreneurial landscape.

Video link: https://drive.google.com/file/d/1ErPjkgqNc8rFczdVgY6c5WCEgXwvFM0A/view?usp=sharin g

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### 8. WORKSHOP on "Entrepreneurship Skill, Attitude & Behavior Development for Young Engineers"(12/2/24)



The Oxford college of Engineering, Bangalore - Institution Innovation Council in association with The Oxford college of Engineering, Bangalore organized "A Workshop on ENTREPRENEURSHIP SKILL, ATTITUDE AND BEHAVIOUR DEVELOPMENT FOR YOUNG ENGINEERS" on 12<sup>th</sup> feb 2024 from 10:00 AM to 2:00 PM by Dr. Daram Muralidhara Reddy, Ashoke Women's Engineering College ,Kurnool,AP

### **OBJECTIVES:**

The workshop aimed to provide undergraduate students and faculty members with the knowledge and.

"ENTREPRENEURSHIP SKILL, ATTITUDE AND BEHAVIOUR DEVELOPMENT FOR YOUNG ENGINEERS. And navigate the challenges in entrepreneurial endeavors by Dr. Daram Muralidhara Reddy IIC convener & soft skills trainer Expert from Ashoka Women's Engineering College ,Kurnool,, led the workshop, focusing on:

-Skill Enhancement Provide the young engineers with practical skills essential for entrepreneurship, such as business planning, financial management, marketing strategies, and product development.

-Attitude Cultivation Foster a mindset of innovation, risk-taking, resilience, and adaptability necessary for entrepreneurial success.

-Behavioral Development is Encourage proactive and decisive behaviors, including networking, collaboration, leadership, and problem-solving skills.

-Awareness Building increases awareness about the opportunities and challenges in entrepreneurship, including understanding market trends, identifying gaps, and assessing competition.

-Network Opportunities Provide the platforms for participants to network with experienced entrepreneurs, investors, mentors, and other stakeholders in the entrepreneurial ecosystem.

-Motivation and Inspiration Inspires the young engineers to pursue entrepreneurial ventures by showcasing successful case studies, role models, and entrepreneurial journeys.

# **OUTCOMES:**

The workshop resulted in several significant outcomes:

-Participants acquire practical skills in areas such as business planning, financial management, marketing, and product development, enabling them to start and manage their ventures effectively. -young engineers cultivate an entrepreneurial mindset characterized by innovation, resilience, adaptability, and a willingness to take calculated risks in pursuit of their goals.

-Attendees gain a deeper understanding of the opportunities, challenges, and realities of entrepreneurship, including market dynamics, competition, and industry trends.

-Young engineers recognize the importance of ethical business practices and sustainability in entrepreneurship, integrating these principles into their ventures for long-term success and positive societal impact.

-Workshop attendees develop personalized action plans outlining concrete steps to pursue their entrepreneurial goals, translating learning into actionable strategies and initiatives.

Around 54 Students and 3 Faculties attended the workshop. The event was well-received with active participation from both students and faculty members, this workshop marked a significant step in aligning the academic curriculum with industry requirements and preparing participants for future challenges in and entrepreneurship skill, attitude and behavior development Innovation.

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### 9. Workshop Report on Innovative Design Thinking Opportunities Through AI Tools For Website Designing (22/5/24)

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Event Organized by: AI ALPHA CORE Club, The Oxford College of Engineering, Bengaluru. Date and Time: Wednesday, MAY 22nd, 2024, from 2:25 PM onwards.

Venue: Room No. 608 (Old Building), The Oxford College of Engineering, Bengaluru.

Topic: Innovative Design Thinking Opportunities Through AI Tools For Website Designing **OBJECTIVES:** 

The purpose of this innovative Design thinking opportunities through AI tools for website designing workshop was to advance the skills and knowledge of undergraduate students and faculty in the following areas:

- Introduce the concept of AI-powered website making tools through innovative design opportunities..

- Demonstrate the efficiency and creativity that AI can bring to design the different types of websites with the help of innovative design concepts.

- Train participants to utilize AI for website design, innovative design that are both informative and engaging.

- Highlight the transformative impact of AI on traditional website -making, elevating it from web pages, designs, innovation concept websites to a powerful storytelling tool.

- Learn to enhance website usability and user satisfaction using AI insight of innovative designs opportunities through development of digital competencies that are essential in the modern educational and professional landscape and AI opportunities.

This workshop was aimed at enabling attendees to integrate innovative designs thinking opportunities through AI tools for website designing seamlessly into their academic and professional presentations, thereby enhancing the quality and effectiveness of their communication.

#### **OUTCOMES:**

The workshop led to a range of positive outcomes, including:

- Participants were able to create dynamic and compelling website designing through innovative design opportunities using AI-driven software, improving their ability to communicate complex information clearly and persuasively.

- Participants will gain hands-on experience using AI tools to create website prototypes and design elements, enhancing their practical skill through innovation design thinking opportunities.

- Participants will be able to use AI tools for website designing boundaries of traditional design, generating and iterating on innovative design ideas.

- Participants will learn how to leverage AI insights to enhance website designing through innovation design thinking usability and user satisfaction, leading to more effective and user-friendly designs.

- The workshop inspired innovative design thinking about the use of technology in education and professional settings, with participants considering new ways to implement AI tools in their work. The event was successful in demonstrating the significant benefits that AI tools can offer in the realm of website designing , signifying a step forward in the integration of technology and education at The Oxford College of Engineering.

#### **Engagement and Reflections:**

The workshop was well-attended, with enthusiastic participation from students 72 and 3 faculty members. Feedback highlighted the value of learning about AI tools for website designing, which are becoming increasingly important in both academic and professional domains. The AI ALPHA CORE Club's initiative has opened up new opportunities for the college community to embrace technological advancements in their communicative practices.

#### Social Media Link:

Video Link: https://drive.google.com/drive/folders/1fUDPmt5tdAG14dj038\_AXENscSnYfiR2



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#### 10. WORKSHOP Report on "Innovative Opportunities Using Machine Learning."(24/5/24 &25/5/24)



The Oxford college of Engineering, Bangalore - Institution Innovation Council in association with The Oxford college of Engineering, Bangalore organized "A Workshop on **Innovative Opportunities Using Machine Learning**" on 24<sup>th</sup> May 2024 to 25<sup>th</sup> May 2024 from 9:30 AM by Mr. Vignesh Kumaran A AI Domain Expert, Team Lead: Pantech E learning.

#### **OBJECTIVES:**

The Innovative Opportunities Using Machine Learning workshop helps to the participants understand the basic knowledge and machine learning technique ,algorithms, Innovation projects. Here are some common objectives:

-Overview of Machine Learning: Provide participants with a comprehensive understanding of what machine learning is, its applications, and its significance in various industries.

-Identifying Key Areas of Innovations: Explore diverse domains such as healthcare, transportation, finance, agriculture, and more to identify specific areas where machine learning can drive innovation.

-Case Studies and Success Stories: Present case studies and success stories showcasing how machine learning has been successfully implemented to solve real-world problems and drive business growth.

-Ethical and Social Implications: Address ethical considerations related to machine learning, such as bias in algorithms, privacy concerns, and the societal impact of automation, and encourage discussions on responsible AI development.

Future Trenda And Opportunities: Explore emerging trends in machine learning, such as deep learning, reinforcement learning, federated learning, and their potential implications for future innovation.

### **OUTCOMES:**

-Participants gain a deeper understanding of machine learning concepts, techniques, and applications across various domains.

- Attendees identify specific opportunities within their respective industries or areas of interest where machine learning can be applied to drive innovation and solve complex problems.

- Participants acquire practical skills in machine learning, including data preprocessing, model building, evaluation, and deployment, through hands-on workshops and interactive sessions.

- Participants gain insights into the challenges and limitations associated with implementing machine learning solutions, including ethical considerations, data privacy issues, and technical constraints.

- Attendees develop an awareness of the ethical implications of machine learning technologies and the importance of responsible AI development, leading to more ethical and socially responsible use of AI.

### **Engagement and Impact:**

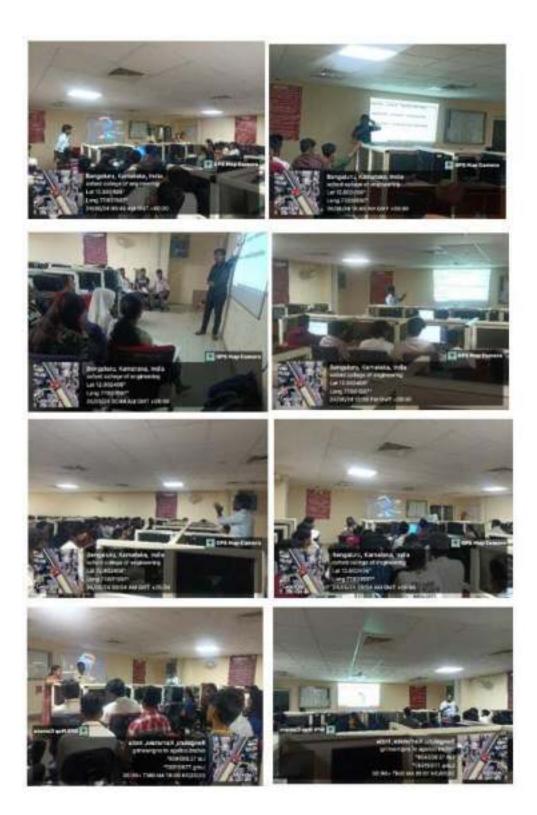
The workshop was about 54 students and 3 faculty was participated from the student and from the department.

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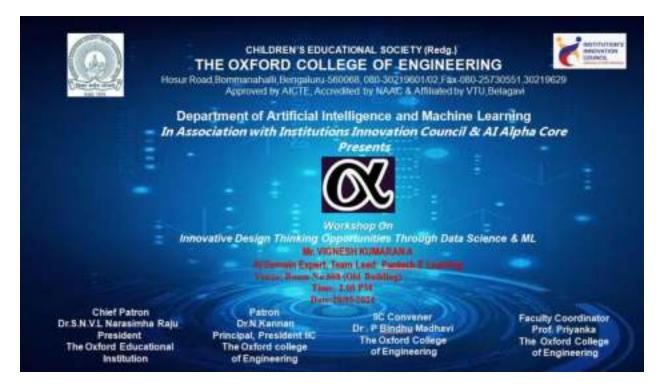
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## 11. "Innovative Design Thinking Opportunities Through Data Science and Machine Learning"(28/5/24)



Department of Artificial Intelligence and Machine Learning in association with IIC and AI Alpha Core, The Oxford College of Engineering, Bengaluru organized a Workshop on "Innovative Design Thinking Opportunities Through Data Science and Machine Learning" on 28.05.2024 (Wednesday), 02:00 PM at AIML LAB -303(old building) byMr. Vignesh Kumaran A. AI domain expert, Team Lead, Pantech E learning.

### **OBJECTIVES:**

The InnovativeDesign Thinking Opportunities through Data science & Machine Learning workshop helps to the participants understand the basic knowledge of Innovative Design Thinking Opportunities through data science & machine learning technique, algorithms, Innovation projects. Here are some common objectives addressed by the resource person:

-Understand the fundamentals of design thinking;Introduce the principles and phases of Design Thinking, Highlight the relevance and application of Design Thinking in innovation processes.

-Explore the intersection of design thinking and data science;Discussed how data science can enhance innovative Design Thinking methodologies, identify opportunities where data-driven insights can inform and refine the innovative design thinking decisions.

-Identify and frame Design thinking challenges using data; Teach participants how to identify and frame design challenges using innovative design opportunities through data analysis, data sciences and Demonstrate the process of defining problem statements through innovative data-driven insight.

-Prototype and test-data informs concepts; Guide participants in creating prototypes based on datainformed ideas, through innovative design using real-world data -Collaborative Data projects through innovative opportunity; Develop educational programs, workshops, and resources that empower non-experts to understand and leverage data in their decision-making processes through innovative design thinking opportunities.

OUTCOMES:

The Workshop successfully achieved its objectives, as evidenced by the following outcomes:

1.Participants will gain a comprehensive understanding of how Innovative Design Thinking principles can be effectively combined with data science and machine learning techniques to foster innovation.

2.Attendees will learn how to use data to identify and frame innovative opportunities design.challenges, leading to more precise and actionable problem statements.

3.Participants will develop the ability to leverage data insights for brainstorming and generating innovative ideas, design ideas resulting in more effective and relevant solutions.4. Through hands-on activities, attendees will gain experience in creating and iterating prototypes based on innovative design data-driven insights, enhancing their ability to test

and refine solutions quickly.

5. Attendees will experience firsthand the benefits of interdisciplinary collaboration, learning best practices for integrating data science into the innovative design thinking opportunities process

-The workshop will raise awareness about the ethical implications of datause, teaching participants how to incorporate ethical considerations into heir data-driven design processes

Participation: The session witnessed enthusiastic participation from approximately 62 students and 3 faculty members, indicating a strong interest in the subject matter and the speaker.

This workshop stands as a testament to The Oxford College of Engineering's commitment to fostering an environment of innovation and design thinking. The insights and experiences shared by Mr. Vignesh Kumaran A. are expected to have a lasting impact on the participants, guiding them in their future endeavors in the realm of technology and innovation design thinking opportunities through data science &ML

Social media link; <u>https://www.facebook.com/photo/?fbid=476877584864290&set=pb.100076261560657.-</u> 2207520000

#### Video link; -

https://drive.google.com/drive/folders/1WtKF4zvni7p1O3CMlwdEOxTZr\_8HNDJp



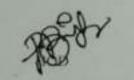
#### Children's Education Society ® THE OXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaluru-560 068 Website: www.theoxfordengg.org\_Email : hodaim1@theoxford.edu (Approved by AICTE, NAAC, New Delhi & Affiliated to VTU, Belgaum) DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING Even SEM 23-24

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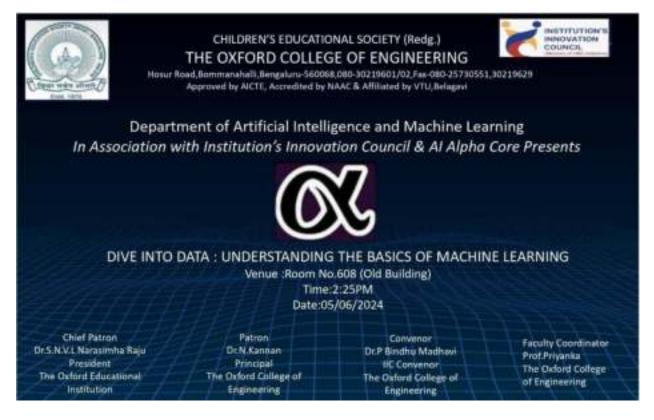


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### 12. WORKSHOP REPORT ON "DIVE INTO DATA UNDERSTANDING THE BASICS OF MACHINE LEARNING"(5/6/24)



The Department of Artificial intelligence & machine learning, The Oxford college of Engineering, Bangalore - Institution Innovation Council in association. Organized A Workshop on "**DIVE INTO DATA UNDERSTANDING THE BASICS OF MACHINE LEARNING**" on 5th June 2024 from 2:25 PM by AI ALPHA Core club students The oxford college of Engineering Bangalore.

#### **OBJECTIVES:**

The "Dive into Data Understanding The Basics Of Machine Learning " workshop aimed to explore emerging trends, applications, and opportunities in the field of machine learning (ML). Participants included industry professionals, academics, and enthusiasts from various sectors. The workshop provided a platform for discussing recent advancements, real-world applications, and potential future developments in ML. This report summarizes the key.

**1.Introduction to Machine Learning Concepts**: Provide a foundational understanding of what machine learning is, including innovation opportunities core concepts such as supervised, unsupervised learning, classification, regression, and clustering.

**2.Understanding Data and Its Importance**: Highlight the role of innovative data in machine learning, including data collection, cleaning, and preprocessing.

**3. Exploring Basic Machine Learning Algorithms**: Introduce commonly used algorithms such as linear regression, decision trees, and k-nearest neighbors

**4.Hands-On Practice with Simple Models**: Provide practical experience by implementing simple innovative machine learning models using popular tools and libraries (e.g., scikit-learn, TensorFlow)

**5.Evaluating Model Performance:** Teach methods for assessing the effectiveness of machine learning models, including innovation metrics such as accuracy, precision, recall, and F1 score.

## **OUTCOMES: -**

- 1. Participants are able to differentiate between types of machine learning problems and understand basic terminology including innovation opportunities core concepts of clustering.
- 2. Participants should grasp how data quality and preprocessing impact model performance and learn innovative techniques for handling real-world data issues
- 3. Participants should be able to understand the basic workings of these algorithms and recognize their typical use cases.
- 4. Participants learned to build, train, and evaluate basic machine learning models on sample datasets.
- 5. Participants are able to interpret evaluation metrics and understand how to improve innovative model performance based on these insights.

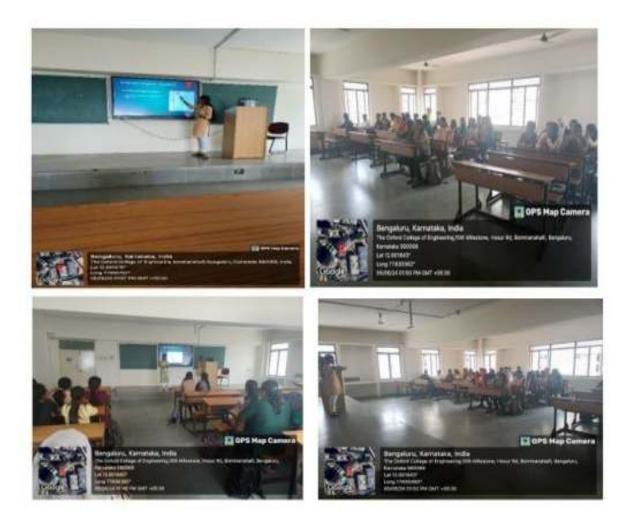
- Participants gain insights into the challenges and limitations associated with implementing innovative machine learning solutions, including ethical considerations, data privacy issues, and technical constraints.

### **Engagement and Impact:**

The workshop was about 59 students, and 2 faculty were participated from the student and from the department.

VIDEO LINK:-

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### 13 Workshop Report on Innovationand Entrepreneurship Opportunity for Young Engineers (3/7/24)



The Department of Artificial intelligence & machine learning, The Oxford college of Engineering, Bangalore - Institution Innovation Council in association. Organized A Workshop on "Innovation and Entrepreneurship Opportunity for Young Engineers" on 3rd July 2024 from 2:00 PM by Mrs. Farheen Farhath Chief Executive officer at PRINSTON SMART ENGINEERS Bangalore . No.Of students:54

### **OBJECTIVES:**

The workshop aimed to inspire and inform young engineers about the opportunities in innovation and entrepreneurship. It focused on how they can leverage their engineering skills to develop innovative solutions and start their own ventures.

- 1. Explore the Role of Innovation in Engineering; -Discussed the impact of innovative technologies on society and industry and Understand how innovation drives advancements in engineering fields.
- 2. Identify Opportunities for Young Engineers; Explore the emerging trends and sectors that offer entrepreneurial opportunities and Highlight the potential areas where engineering students can apply innovative thinking.
- 3. Enhance Networking and Collaboration; Introduced to resources such as incubators, accelerators, and funding opportunities to the students.
- 4. **Provide Practical Guidance on Entrepreneurship**;- outline the steps required to turn innovative ideas into viable business ventures and Provide insights into the essential skills, resources, and strategies for successful entrepreneurship.
- 5. Facilitate Skill Development; Offer training on creating effective business plans, conducting market research, and financial planning.

### **OUTCOMES:**

The workshop led to a range of positive outcomes, including:

The workshop effectively introduced participants to the essentials of innovation and entrepreneurship, providing them with valuable tools and insights. Many students expressed newfound confidence in their ability to pursue their own ventures.

- 1. Participants understand how innovative thinking can drive progress within engineering disciplines and examine how innovation is integral to the field of engineering and its role in solving complex problems and advancing technology.
- 2. Participants learned about specific sectors and technologies where they can apply their skills creatively in innovation opportunity.
- 3. Enable the participants to effectively plan and execute their own entrepreneurial projects through Innovation and Entrepreneurship.
- 4. Audience demonstrate the real-world examples and learned how engineering students have navigated the path from idea to successful enterprise.
- 5. Participants outline the resources, such as incubators and mentorship programs that can provide continued support for aspiring entrepreneurs and using the innovation opportunities.

### **Engagement and Reflections:**

The workshop was well-attended, with enthusiastic participation from students 61 and 2 faculty members. Feedback highlighted the value of doing internship, which are becoming increasingly important in both academic and professional domains. The Innovation and Entrepreneurship Opportunity for Young Engineers workshopinitiative has opened up new opportunities for the college community to embrace technological advancements in their communicative practices.

### Video link;-

https://drive.google.com/file/d/1pKSpMQ4vJia019dw1jfSgIczSoYW2Gbj/view?usp=sharin









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### 14. WORKSHOP REPORT on "Innovative Opportunities Trough Mastering AI Tools"(24/7/24)



The Oxford college of Engineering, Bangalore - Institution Innovation Council in association with The Oxford college of Engineering, Bangalore organized "A Workshop on **Innovative Opportunities Trough Mastering AI Tools**" on 24<sup>th</sup> July 2024 from 1:30 PM in Room no-205(old building) the oxford college of engineering Bangalore. **OBJECTIVES:** 

The "Innovative Opportunities Through Mastering AI Tools" workshop aimed to provide participants with a comprehensive understanding of cutting-edge AI tools and explore their potential applications across various domains. This report summarizes the key outcomes of the workshop, including the insights gained, the innovative opportunities identified, and the recommendations for leveraging AI tools effectively.

- 1. Understanding Advanced AI Tools and Technologies: Familiarize participants with cutting-edge AI tools and technologies such as natural language processing (NLP), computer vision, and deep learning frameworks.
- 2. Exploring Real-World Applications and Case Studies: Showcase how AI tools are being used in various industries through innovation opportunities and detailed case studies and examples.

- 3. Hands-On Experience with AI Toolkits: Provide practical experience by using popular AI toolkits and innovation platforms (e.g., TensorFlow, Py Torch, OpenAI tools).
- 4. **Developing Innovative Solutions and Prototypes**: Encourage participants to brainstorm and develop innovative solutions or prototypes using AI tools.
- 5. Understanding Ethical Considerations and Best Practices: Discussed the ethical implications and best practices related to the use of innovation through AI, including data privacy, fairness, and transparency.

### **OUTCOMES:**

- 1. Participants should gained an understanding of the capabilities and applications of these advanced tools and how they can be leveraged for innovation.
- 2. Participants should be able to identify potential applications of AI tools in their own fields or projects, inspired by real-world successes.
- 3. Participants learned how to navigate these tools, perform basic tasks, and understand their practical applications through innovation opportunities.
- 4. Participants are expertized in conceptualizing and begin developing their own AIdriven projects or prototypes, using innovation opportunities, demonstrating creativity and problem-solving skills.
- 5. Participants understood the ethical considerations and responsible practices in AI development and deployment, & innovations align with ethical standards.

The "Innovative Opportunities Through Mastering AI Tools" workshop successfully highlighted the transformative potential of AI tools and provided valuable insights into their practical applications. By focusing on advanced AI technologies, real-world use cases, and collaborative opportunities, the workshop equipped participants with the knowledge and tools needed to drive innovation and address emerging challenges.

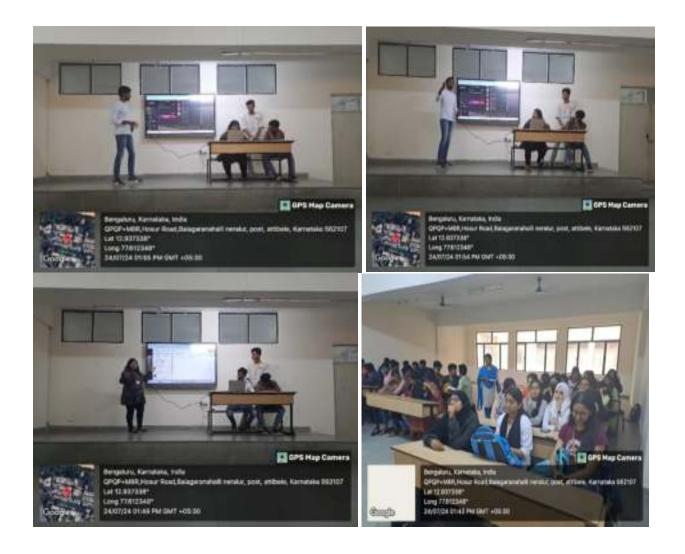
### Engagement and Impact:

The workshop was about 57 students and 3 faculty was participated from the student and from the department.

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#### THE OXFORD COLLEGE OF ENGINEERING

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Hour Reat, Borrenanahalli, Dangalers-560000 Department of MCA

organizing

**"ONE DAY WORKSHOP ON INNOVATIVE DESIGN DEVELOPMENT IN MACHINE** 

#### LEARNING"

**Resource Person** 

Mr. Ramesh Chandra

Project Engineer at Wipro

IN ASSOCIATION WITH IIC. On Tuesday 14 May, 2024 9:30 AM onwards

**Chief Patron** Dr. SNVL Narasimha Raju President, Principal & President, IIC IIC Coordinator Director MBA & MCA
The Oxford Educational Institutions The Oxford College of Engineering The Oxford College of Engineering

Patron Dr. N KANNAN

**IIC Coordinator** Dr. Bindu Madhavi

Convenor Dr. Anitha Ramachander



The Department of MCA at The Oxford College of Engineering successfully organized a oneday workshop on "Innovative Design Development in the field of Machine Learning" was organized to explore cutting-edge methodologies, tools, and techniques in designing and developing machine learning solutions. The workshop aimed to foster collaboration among researchers, practitioners, and industry experts to drive innovation in this rapidly evolving domain. The event has been kick started with a formal Inaugural function, the following dignitaries were present and motivated the students.

- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. Anitha Ramachander, Director MBA-MCA, The Oxford College of Engineering
- Dr. Bindu Madhavi , IIC Coordinator, The Oxford College of Engineering
- Mrs. Ramesh Chandra, Project Engineer at Wipro

### **Objective:**

The objective of an Innovative Design Development in Machine Learning workshop is to bring together experts, practitioners, and enthusiasts from diverse backgrounds to explore advanced methodologies, tools, and ethical considerations in machine learning. Through hands-on activities, collaborative discussions, and real-world case studies, the workshop aims to foster interdisciplinary collaboration, enhance practical skills in algorithm design and deployment, address ethical challenges such as bias mitigation and transparency, and promote a culture of innovation and creativity in developing human-centric machine learning solutions that positively impact society and industry.

Participants delved into advanced algorithms such as deep learning, reinforcement learning, and generative adversarial networks (GANs). Discussions centered on their applications, strengths, limitations, and recent advancements which help them in the field of Innovation.

The importance of innovation for designing interpretable machine learning models was emphasized, with sessions focusing on techniques like SHAP (SHapley Additive exPlanations) values, LIME (Local Interpretable Model-agnostic Explanations), and attention mechanisms.

Ensuring fairness and mitigating bias in machine learning models while developing innovative applications was a key theme. Workshops and case studies highlighted approaches for ethical AI, including fairness metrics, bias detection, and algorithmic transparency.

Participants explored the concept of human-centric design in machine learning, focusing on user experience, interface design, and human-AI interaction to create more intuitive and user-friendly ML applications.

### **Outcome:**

The workshop on Innovative Design Development in Machine Learning provided a platform for knowledge sharing, collaboration, and skill development in the rapidly evolving field of AI and machine learning. Participants gained valuable insights into advanced techniques, ethical considerations, and practical implementation strategies, paving the way for future innovations in this domain.

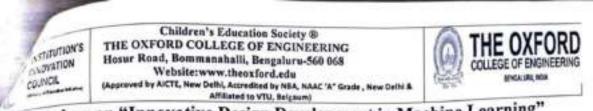
Total of 71 students and 24 Faculties have participated in this event

## Facebook Link:

https://www.facebook.com/photo/?fbid=465709825981066&set=a.177418398143545

### Video Link:

https://drive.google.com/file/d/1k4L3AweGO99KVT\_fhS6N\_yxNQKFu\_3TX/view?usp=sharing



Workshop on "Innovative Design Development in Machine Learning" on 14<sup>th</sup> May 2024

**Participation List Faculty** 

| Name of the Participant  | Signature  | Department   |
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|  | Bruns  | MCA  |
|  | - 10   | MCA  |
| Liza Naisu   | - Me   | MEA  |
|  | -HA-   | Met  |
| · · · · ·  | Nº1  | HEA  |
| Mrs Sownya J   | -dai   | CSE  |
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| Dumi Whirm   | 0  | MBA  |
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| Dr. Sahana A   | North a Mar  | MBA  |
| Dr.K.T.R. Redoly   | My Comp  | 682-   |
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|  | Dr. Sahana · A<br>Dr.K.J.R. Reddy<br>Dayakun N<br>Dr.Neshe C. Romi<br>Sumitha T.L<br>Kar hik · SL<br>S. vidhya<br>Abidha T.E<br>S. Viesalini | ABROICE B P Anne<br>Lissa Naisu<br>JCAchutha<br>Dr. Anjanya ly<br>Mrs. Sownya J<br>Mrs. Angel Donny<br>Mrs. Angel Donny<br>Mr. Ramya m<br>Channable Guodaon<br>Channable Guodaon<br>Chann |

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Department of MCA The Oxford College of Engineering

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

Principal PRINCIPAL

The Oxford College of Engineering Bommanshatil, Hosur Road Bengaluru-580 of 3.

INSTITUTION'S INNOVATION COUNCIL

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

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# Department of MCA

Workshop on "Innovative Design Development in Machine Learning" DATE: 14/5/2024 VENUE: MCA Seminar Hall

| CI No. |                         | ticipation List        | Department |
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| SI. No | Name of the Participant | Signature<br>BHosamoni | MCA        |
| 1      | Karuna.S.H              | E. F.                  | MCA        |
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| 8.     | Arathi BG               | Ah                     | MCA        |
| 6.     | Kavya.M                 | Kavya M                | MLA        |
| 7.     | Karya.T                 | dos.                   | MCA        |
| 8.     | Asha                    | Aug                    | MCA        |
| 9      | Anjali. A. P            | A.                     | MLA.       |
| 10.    | Bhavanaith              | -                      | MLA        |
| 11     | Pavan Kumar L.S         | Auto-                  | MCA        |
| 12     | Akelvay Surana 84       | theo                   | men        |
| 13     | Inaneth Reddy           | gnaphe stry.           | MCA        |
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| 16     | Sindhu K                | Singha                 | CSE        |
| 17     | Rakshita                | B                      | CSE        |
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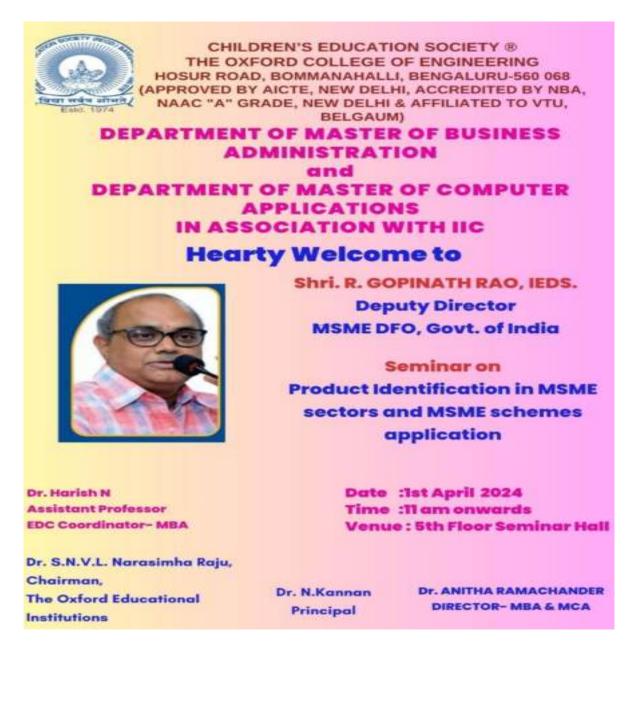


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## **Department of Master of Business Administration**

**Report on Seminar "Product Identification in MSME Sectors and MSME Schemes** 

Application"- April 01, 2024.



Title: Seminar Report on Product Identification in MSME Sectors and MSME Schemes Application

Resource Person: Shri R. Gopinath Rao, IEDS, Deputy Director, MSME DFO, Govt of India

Date: 01/04/2024

Venue: Seminar Hall, 6th floor, Department of MBA, The Oxford College of Engineering.

Audience: MBA and MCA Students

### Total no. of participants: 204

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### About the Speaker:

Shri R. Gopinath Rao brings extensive work experience from various textile & apparel manufacturing companies, including M/s. Binny Limited, Bangalore, M/s. Siyaram's Textile Mills, Mumbai, M/S.Gokaldas images, M/s. Shahi Exports, and M/s. Sunwear Knit Ltd. He has served in the MSME Development and Facilitation Institute, Govt. of India for 25 years, stationed across India in locations like Haryana, Punjab, and Shillong.

### **Contact Details:**

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### Abstract:

The seminar, led by Shri R. Gopinath Rao, aimed to elucidate product identification strategies within the Micro, Small, and Medium Enterprises (MSME) sectors and provide guidance on the application of various MSME schemes. This report encapsulates the seminar's key points, emphasizing the significance of product identification, the utilization of MSME schemes, and Udyam registration for MBA and MCA students.

### **Introduction:**

Mr. R. Gopinath Rao commenced the seminar by highlighting the crucial role of product identification in MSME success. He expounded on the necessity of Entrepreneurship, emphasizing how adept product identification not only enhances market competitiveness but also facilitates effective utilization of government schemes. The seminar aimed to empower MBA and MCA students with practical knowledge and tools to identify viable products and capitalize on MSME schemes.

### **Key Learnings:**

### 1. Understanding Product Identification:

- •Definition and need for Entrepreneurship.
- •Importance of product identification in MSMEs.
- •Factors influencing product identification, including market demand, competition analysis, and technological advancements.

•Strategies for effective product identification, such as market research, SWOT analysis, and innovation.

### 2. Overview of MSME Schemes:

- Introduction to various government schemes supporting MSMEs, encompassing financial assistance, technology upgradation, marketing support, and skill development.
- Eligibility criteria and application procedures for MSME schemes.
- Examples of successful MSME scheme implementations by entrepreneurs.

### 3. Application of MSME Schemes:

- Guidance on selecting suitable schemes based on business requirements and objectives.
- Step-by-step process for applying to MSME schemes, including documentation and compliance requirements.
- Tips for maximizing the benefits of MSME schemes and addressing common challenges.

### **Conclusion:**

The seminar provided invaluable insights into product identification strategies and the application of MSME schemes, tailored to the needs of MBA and MCA students. It underscored the importance of proactive product identification and leveraging government support to foster entrepreneurship and business growth in the MSME sector.

















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| 129  | Santesh .H         | 9995232912           | Santach 21583 @gmail-com       | Sentory . H    |
| 130  | Talani Baliji      | 8431947797           | bolu halaji t 244 2 gmils      | on Baligins 22 |
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| 132  | Homonth Kumar.MA   | 7676290665           | ahernaroheologomilin           | Hemanth. A     |
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| Timestamp            | Name of the<br>Participant | Department | How<br>satisfied are<br>you with the<br>topics<br>discussed at<br>the<br>programme? | How<br>satisfied are<br>you with the<br>Seminar on<br>Product<br>Identification<br>in MSME<br>sectors and<br>MSME<br>schemes<br>application<br>? | How<br>organised<br>was the<br>sessions? | I'm happy<br>with the<br>amount of<br>information<br>discussed<br>in the<br>sessions. | Overall, how<br>you rate the<br>programme? |
|----------------------|----------------------------|------------|---|--|--|---|--|
| 4/1/2024<br>16:46:44 | Sangeetha D                | MBA        | Very satisfied  | Agree  | Very satisfied                           | Very good   | Very good                                  |
| 4/1/2024<br>16:47:13 | Lakshmi Narayan<br>KS      | MBA        | Very<br>satisfied   | Agree  | Very<br>satisfied                        | Very good   | Very good                                  |
| 4/1/2024<br>16:47:26 | R.Geetha                   | MBA        | Very<br>satisfied   | Agree  | Very<br>satisfied                        | Very good   | Excellent                                  |
| 4/1/2024<br>16:48:05 | Abdul Raheem               | MBA        | Very<br>dissatisfied  | Strongly<br>agree  | Very<br>satisfied                        | Excellent   | Excellent                                  |
|                      | Arunkumar<br>ashok ugalat  | MBA        | Very<br>satisfied   | Agree  | Very<br>satisfied                        | Excellent   | Excellent                                  |
| 4/1/2024             | Reyaz Hassan               | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                        | Excellent   | Excellent                                  |
| 4/1/2024<br>16:48:51 | Tejaswini R                | MBA        | Very<br>satisfied   | Agree  | Very<br>satisfied                        | Excellent   | Excellent                                  |
| 4/1/2024<br>16:49:24 | Rashmi C                   | MBA        | Very<br>satisfied   | Strongly<br>agree  | Very<br>satisfied                        | Excellent   | Excellent                                  |
| 4/1/2024<br>16:50:15 | Sajid Shaikh               | MBA        | Somewhat satisfied  | Agree  | Very<br>satisfied                        | Very good   | Very good                                  |
| 4/1/2024<br>16:50:26 | Murali                     | MBA        | Somewhat satisfied  | Strongly agree   | Very<br>satisfied                        | Very good   | Very good                                  |
| 4/1/2024<br>16:50:35 | Harish Gowda R             | MBA        | Very<br>satisfied   | Agree  | Somewhat satisfied                       | Very good   | Very good                                  |
| 4/1/2024<br>16:50:39 | Bikram R Dey               | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                        | Excellent   | Excellent                                  |
| 4/1/2024<br>16:50:47 | Sharath p                  | MBA        | Somewhat satisfied  | Agree  | Somewhat satisfied                       | Good  | Good                                       |
| 4/1/2024             | Hina kousar                | MBA        | Very<br>satisfied   | Agree  | Very<br>satisfied                        | Good  | Excellent                                  |
| 4/1/2024             | Manjunath b                | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                        | Excellent   | Excellent                                  |
| 4/1/2024<br>16:51:19 | Soundarya                  | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                        | Excellent   | Excellent                                  |
| 4/1/2024             | Nandhini S                 | MBA        | Somewhat satisfied  | Agree  | Somewhat satisfied                       | Very good   | Very good                                  |
| 4/1/2024             | Sabyasachi Dey             | MBA        | Somewhat satisfied  | Agree  | Somewhat satisfied                       | Very good   | Very good                                  |
| 4/1/2024             | Shivani Singh              | MBA        | Very<br>satisfied   | Strongly   | Very<br>satisfied                        | Excellent   | Excellent                                  |
| 4/1/2024             | Disha Mukherjee            | MBA        | Neither<br>satisfied nor<br>dissatisfied  | Agree  | Somewhat satisfied                       | Good  | Good                                       |
| 4/1/2024             | Udayashree S V             | MBA        | Very  | Strongly   | Very                                     | Very good   | Excellent                                  |

| 16:53:15             |                               |     | satisfied                                | agree                            | satisfied                                   |           |           |
|----------------------|-------------------------------|-----|--|----------------------------------|---|-----------|-----------|
| 4/1/2024<br>16:53:38 | Chaithra. L                   | MBA | Somewhat satisfied                       | Agree                            | Somewhat satisfied                          | Good      | Good      |
| 4/1/2024<br>16:53:56 | Darshan.A                     | MBA | Somewhat satisfied                       | Agree                            | Very<br>satisfied                           | Very good | Good      |
| 4/1/2024<br>16:53:57 | Deepika.s                     | MBA | Somewhat dissatisfied                    | Neither<br>agree nor<br>disagree | Very<br>dissatisfied                        | Fair      | Fair      |
| 4/1/2024<br>16:54:13 | Sai Jahnavi                   | MBA | Very<br>satisfied                        | Strongly agree                   | Very<br>satisfied                           | Very good | Very good |
| 4/1/2024<br>16:54:34 | Preethi.M                     | MBA | Very<br>satisfied                        | Agree                            | Very satisfied                              | Good      | Good      |
| 4/1/2024<br>16:54:48 | Venkatesh N                   | MBA | Very<br>satisfied                        | Strongly agree                   | Very<br>satisfied                           | Excellent | Excellent |
| 4/1/2024<br>16:56:16 | Suhail khan                   | MBA | Somewhat satisfied                       | Strongly agree                   | Very<br>satisfied                           | Good      | Good      |
| 4/1/2024<br>16:56:35 | Krishna D                     | MBA | Very<br>satisfied                        | Strongly agree                   | Very<br>satisfied                           | Good      | Good      |
| 4/1/2024<br>16:56:54 | CHANDAN S                     | MBA | Neither<br>satisfied nor<br>dissatisfied | Neither<br>agree nor<br>disagree | Neither<br>satisfied<br>nor<br>dissatisfied | Good      | Good      |
| 4/1/2024<br>16:57:16 | Santosh.M                     | MBA | Somewhat satisfied                       | Agree                            | Somewhat satisfied                          | Very good | Good      |
|                      | Ratna Muttappa<br>Sankannavar | MBA | Somewhat satisfied                       | Agree                            | Very<br>satisfied                           | Very good | Excellent |
| 4/1/2024<br>16:58:09 | Talari balaji                 | MBA | Somewhat satisfied                       | Agree                            | Somewhat satisfied                          | Good      | Good      |
| 4/1/2024<br>16:58:30 | Sparshith V                   | MBA | Very<br>satisfied                        | Strongly agree                   | Very<br>satisfied                           | Excellent | Excellent |
| 4/1/2024<br>17:01:03 | Ramu A                        | MBA | Somewhat satisfied                       | Agree                            | Somewhat satisfied                          | Good      | Good      |
| 4/1/2024<br>17:01:29 | M C<br>MOKSHANANDA            | MCA | Neither<br>satisfied nor<br>dissatisfied | Neither<br>agree nor<br>disagree | Neither<br>satisfied<br>nor<br>dissatisfied | Poor      | Poor      |
| 4/1/2024<br>17:01:46 | KUSUMA K N                    | MCA | Very satisfied                           | Agree                            | Somewhat satisfied                          | Good      | Good      |
| 4/1/2024<br>17:02:08 | Rakshita Hegde                | MCA | Somewhat satisfied                       | Agree                            | Somewhat satisfied                          | Good      | Good      |
| 4/1/2024<br>17:02:24 | Lavanya.N                     | MBA | Very<br>satisfied                        | Agree                            | Very<br>satisfied                           | Excellent | Very good |
| 4/1/2024<br>17:02:35 | Sindhu k                      | MCA | Somewhat satisfied                       | Agree                            | Somewhat satisfied                          | Good      | Good      |
| 4/1/2024<br>17:02:39 | Prajwal T                     | MCA | Very<br>satisfied                        | Strongly agree                   | Very satisfied                              | Excellent | Excellent |
| 4/1/2024<br>17:02:43 | Ananthakrishnan               | MBA | Somewhat satisfied                       | Neither<br>agree nor<br>disagree | Neither<br>satisfied<br>nor<br>dissatisfied | Very good | Very good |
| 4/1/2024<br>17:03:39 | Asha c                        | MBA | Somewhat satisfied                       | Agree                            | Somewhat satisfied                          | Very good | Very good |
| 4/1/2024             | Keshavan k                    | MCA | Very                                     | Agree                            | Very  | Good      | Good      |

| 17:03:52             |                      |     | satisfied             |                   | satisfied             |           |           |
|----------------------|----------------------|-----|-----------------------|-------------------|-----------------------|-----------|-----------|
| 4/1/2024<br>17:04:00 | Mallika N            | MBA | Very<br>satisfied     | Agree             | Very<br>satisfied     | Very good | Very good |
| 4/1/2024<br>17:04:04 | Ganesh C N           | MBA | Very<br>satisfied     | Strongly agree    | Very satisfied        | Excellent | Excellent |
| 4/1/2024<br>17:04:50 | Preethi B P          | MBA | Somewhat satisfied    | Agree             | Very<br>satisfied     | Good      | Good      |
| 4/1/2024<br>17:04:57 | Mohammed<br>Tabrez   | MCA | Very<br>satisfied     | Strongly agree    | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>17:05:36 | Chethana R           | MBA | Somewhat satisfied    | Agree             | Very<br>satisfied     | Good      | Good      |
| 4/1/2024<br>17:05:52 | Vinodh k n           | MBA | Somewhat satisfied    | Agree             | Very<br>satisfied     | Very good | Very good |
| 4/1/2024<br>17:06:57 | Abhilash             | MCA | Very<br>satisfied     | Strongly agree    | Very satisfied        | Very good | Excellent |
| 4/1/2024<br>17:08:07 | Pradeep V R          | MCA | Somewhat dissatisfied | Disagree          | Very satisfied        | Poor      | Fair      |
| 4/1/2024<br>17:10:01 | Manoj R              | MBA | Very<br>satisfied     | Strongly agree    | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>17:10:05 | Kiran                | MCA | Somewhat satisfied    | Agree             | Very<br>satisfied     | Very good | Very good |
| 4/1/2024<br>17:10:12 | Anjali               | MCA | Somewhat satisfied    | Agree             | Somewhat satisfied    | Good      | Good      |
| 4/1/2024<br>17:10:31 | Trupti M Melmuri     | MBA | Very<br>satisfied     | Strongly<br>agree | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>17:10:48 | Pavithrashree S<br>P | MBA | Very<br>satisfied     | Strongly<br>agree | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>17:10:49 | Karthik Ralla        | MBA | Somewhat satisfied    | Agree             | Very<br>satisfied     | Excellent | Very good |
| 4/1/2024<br>17:11:28 | Manigandan A         | MBA | Very<br>satisfied     | Strongly<br>agree | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>17:11:46 | Akshatha             | MBA | Somewhat satisfied    | Agree             | Somewhat satisfied    | Good      | Good      |
| 4/1/2024<br>17:12:11 | Priya N              | MBA | Somewhat satisfied    | Strongly disagree | Somewhat satisfied    | Poor      | Fair      |
| 4/1/2024<br>17:12:26 | Sharanabasappa       | MCA | Very<br>satisfied     | Strongly agree    | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>17:12:44 | Ruchitha H M         | MBA | Somewhat satisfied    | Agree             | Somewhat satisfied    | Good      | Good      |
| 4/1/2024<br>17:13:12 | Bharath kt           | MBA | Very<br>satisfied     | Agree             | Very<br>satisfied     | Very good | Excellent |
| 4/1/2024<br>17:14:19 | Sneha.N              | MBA | Somewhat satisfied    | Agree             | Very<br>satisfied     | Very good | Very good |
| 4/1/2024<br>17:16:46 | Laxmi                | MBA | Very<br>satisfied     | Strongly agree    | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>17:18:38 | Suchithra B          | MBA | Somewhat satisfied    | Agree             | Somewhat satisfied    | Good      | Good      |
| 4/1/2024<br>17:21:56 | Hemanth Kumar<br>M A | MBA | Somewhat satisfied    | Agree             | Very<br>satisfied     | Very good | Very good |
| 4/1/2024<br>17:23:11 | Jnanesh reddy        | MCA | Somewhat dissatisfied | Disagree          | Somewhat dissatisfied | Fair      | Fair      |
| 4/1/2024             | Girish G             | MBA | Somewhat              | Agree             | Neither               | Very good | Good      |

| 17:23:42             |                         |     | satisfied          |                   | satisfied<br>nor<br>dissatisfied |           |           |
|----------------------|-------------------------|-----|--------------------|-------------------|----------------------------------|-----------|-----------|
|                      | Aiswariya<br>Pattanayak | MCA | Very<br>satisfied  | Strongly agree    | Very<br>satisfied                | Excellent | Excellent |
| 4/1/2024             | Kamaljeet kaur          | MCA | Very<br>satisfied  | Strongly agree    | Very<br>satisfied                | Excellent | Excellent |
| 4/1/2024             | Kavya.M                 | MCA | Very<br>satisfied  | Strongly<br>agree | Very<br>satisfied                | Excellent | Excellent |
| 4/1/2024<br>17:28:22 | -                       | MBA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Good      | Good      |
| 4/1/2024<br>17:28:32 | Sindhu KG               | MBA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Good      | Good      |
| 4/1/2024<br>17:29:23 | Bharti                  | MBA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Good      | Good      |
| 4/1/2024<br>17:30:05 | Sachin Kumar<br>Ojha    | MCA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Very good | Excellent |
| 4/1/2024             | Sahana h                | MCA | Somewhat satisfied | Agree             | Somewhat satisfied               | Good      | Good      |
| 4/1/2024<br>17:33:24 | Priti kumari            | MCA | Somewhat satisfied | Agree             | Somewhat satisfied               | Good      | Good      |
| 4/1/2024<br>17:33:53 | Hoshan.g                | MBA | Somewhat satisfied | Agree             | Somewhat satisfied               | Very good | Good      |
| 4/1/2024<br>17:39:06 | Sreenikethan S          | MCA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Very good | Excellent |
| 4/1/2024<br>17:39:46 | MYNASHREE B             | MCA | Very<br>satisfied  | Strongly agree    | Very<br>satisfied                | Excellent | Excellent |
| 4/1/2024<br>17:40:26 | Soundarya v             | MBA | Very satisfied     | Agree             | Very<br>satisfied                | Good      | Good      |
| 4/1/2024<br>17:40:26 | Sneha HA                | MCA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Excellent | Excellent |
| 4/1/2024<br>17:42:28 | Aravind g               | MBA | Somewhat satisfied | Agree             | Somewhat satisfied               | Good      | Good      |
| 4/1/2024<br>17:44:08 | Vinay                   | MCA | Somewhat satisfied | Agree             | Very<br>satisfied                | Very good | Very good |
| 4/1/2024<br>17:46:55 | Jotheswar               | MBA | Very<br>satisfied  | Strongly agree    | Very satisfied                   | Excellent | Excellent |
| 4/1/2024<br>17:51:32 | Sanjana. H              | MBA | Very<br>satisfied  | Strongly agree    | Very satisfied                   | Excellent | Excellent |
| 4/1/2024<br>17:52:06 | Jala. S                 | MCA | Very<br>satisfied  | Agree             | Very satisfied                   | Very good | Very good |
| 4/1/2024<br>17:52:48 | SINDHU S                | MBA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Very good | Excellent |
| 4/1/2024<br>17:52:51 | Sandiyaa R              | MBA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Good      | Excellent |
| 4/1/2024<br>17:53:42 | Prabhavathi K           | MBA | Very<br>satisfied  | Agree             | Somewhat satisfied               | Very good | Very good |
| 4/1/2024<br>17:53:44 | Sandiyaa R              | MBA | Very<br>satisfied  | Agree             | Very<br>satisfied                | Excellent | Excellent |
| 4/1/2024<br>18:00:39 | Surya M                 | MBA | Very<br>satisfied  | Strongly agree    | Very<br>satisfied                | Excellent | Excellent |
| 4/1/2024<br>18:02:45 | Goutham G               | MBA | Very<br>satisfied  | Strongly agree    | Somewhat satisfied               | Very good | Very good |

| 4/1/2024             |                            |     | Very                  | Strongly       | Very                  |           |           |
|----------------------|----------------------------|-----|-----------------------|----------------|-----------------------|-----------|-----------|
|                      | Narendra N                 | MBA | satisfied             | agree          | satisfied             | Excellent | Excellent |
|                      | Venkatesh S                | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>18:04:34 | Saifulla shariff           | MCA | Very satisfied        | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
|                      | Ruchitha R<br>Kudalkar     | MCA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Excellent |
| 4/1/2024<br>18:04:47 | Jyothish                   | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>18:05:28 | Chaithra.R                 | MBA | Somewhat dissatisfied | Disagree       | Somewhat dissatisfied | Fair      | Fair      |
| 4/1/2024<br>18:05:35 | Vandana c                  | MBA | Very<br>satisfied     | Strongly agree | Somewhat satisfied    | Excellent | Excellent |
| 4/1/2024<br>18:07:33 | Bharath DS                 | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Very good |
| 4/1/2024<br>18:09:11 | Sanjay s                   | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Very good |
| 4/1/2024             | DEEPIKA. C                 | MCA | Very<br>satisfied     | Agree          | Somewhat satisfied    | Very good | Very good |
| 4/1/2024<br>18:15:26 | Hemanth kumar<br>C S       | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Very good |
| 4/1/2024<br>18:23:31 |                            | MCA | Somewhat satisfied    | Agree          | Somewhat satisfied    | Good      | Good      |
| 4/1/2024             | Usha Rani M                | MCA | Somewhat satisfied    | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>18:39:36 | Asha                       | MCA | Somewhat satisfied    | Agree          | Somewhat satisfied    | Good      | Good      |
| 4/1/2024<br>18:43:06 | Lalitha Mohana             | MBA | Somewhat satisfied    | Agree          | Somewhat satisfied    | Very good | Very good |
| 4/1/2024<br>18:54:37 | Anusha.R                   | MBA | Somewhat satisfied    | Agree          | Somewhat satisfied    | Good      | Good      |
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| 4/1/2024<br>19:12:43 | Jyothika AR                | MCA | Somewhat satisfied    | Agree          | Very<br>satisfied     | Very good | Very good |
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| 4/1/2024<br>19:25:11 | Varshini D G               | MCA | Very<br>satisfied     | Agree          | Somewhat satisfied    | Very good | Good      |
| 4/1/2024<br>19:42:44 | Dilip Kumar a              | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 4/1/2024<br>19:45:06 | Kiran B B                  | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Very good |
| 4/1/2024<br>19:52:23 | SUDIP MANDAL               | MCA | Somewhat satisfied    | Agree          | Somewhat satisfied    | Very good | Good      |
| 4/1/2024<br>20:47:40 | Sudashree C K              | MBA | Somewhat satisfied    | Agree          | Very<br>satisfied     | Excellent | Very good |

| 4/1/2024<br>22:20:23 | Shruti                   | MBA | Very<br>satisfied  | Agree | Very<br>satisfied  | Very good | Excellent |
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| 4/2/2024<br>8:36:59  | Vijeth M                 | MCA | Somewhat satisfied | Agree | Very<br>satisfied  | Good      | Good      |
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| 4/2/2024<br>11:23:40 | Abhay Ganesh G<br>R      | MBA | Somewhat satisfied | Agree | Somewhat satisfied | Very good | Very good |
| 4/2/2024<br>12:21:01 | B m manjunatha           | MBA | Very<br>satisfied  | Agree | Very<br>satisfied  | Good      | Good      |
| 4/2/2024<br>13:30:35 | Priyanka BK              | MCA | Somewhat satisfied | Agree | Somewhat satisfied | Good      | Good      |
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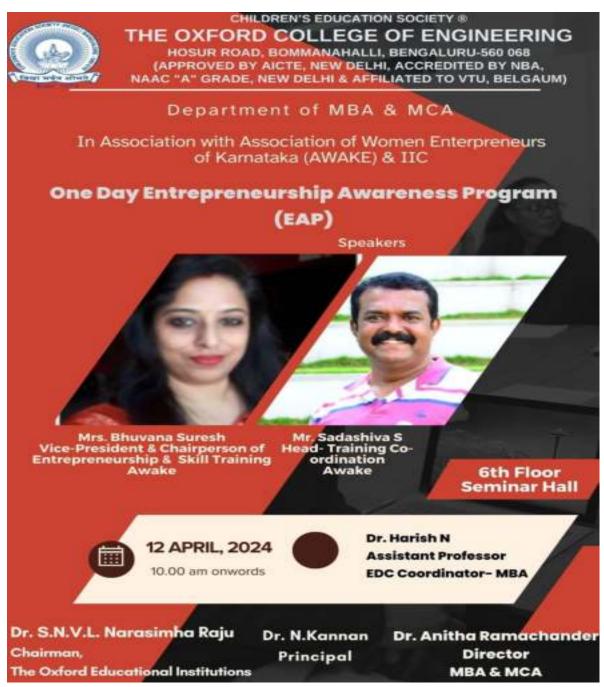




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## **Department of Master of Business Administration**

### Report on Workshop "One Day Entrepreneurship Awareness Program"- April 12, 2024.



Title: Workshop Report on One Day Entrepreneurship Awareness Program

#### **Resource Persons:**

- 1. Mrs. Bhuvana Suresh, Vice-President & Chairperson of Entrepreneurship & Skill Training, Association of Women Entrepreneurs of Karnataka (AWAKE)
- Mr. Sadashiva S, Head- Training Co-ordination, Association of Women Entrepreneurs of Karnataka (AWAKE)

**Date:** 12/04/2024

Venue: Seminar Hall, 6th floor, Department of MBA, The Oxford College of Engineering.

Audience: MBA and MCA Students

Total no. of participants: 150

### Facebook Link:

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## Feedback link:

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#### **About the Speakers:**

Mrs. Bhuvana Suresh is the Vice-President & Chairperson of Entrepreneurship & Skill Training, Association of Women Entrepreneurs of Karnataka (AWAKE) in Bangalore, effective 2023. She also served as Hon' Treasurer from 2019 to 2023, Hon' Secretary from 2015 to 2017, and Chairperson of the Research and Resource Centre and ISO Department from 2012 to 2015 in the Association of Women Entrepreneurs of Karnataka (AWAKE). She also served as Founder Director of M/s Niyati Micro Technologies, Bangalore, from 2001 to 2019, and Founder Director of M/s OM Solutions, Bangalore, from 2019 to the present.

#### **Contact Details:**

Mobile Number: 9740976768

#### E-mail: admin@awakeindia.org.in

Mr. S. Sadashiva has been the Head of Training Coordination at the Association of Women Entrepreneurs of Karnataka (AWAKE) for the past 20 years for promoting entrepreneurial activities in both urban and rural parts of Karnataka. He has coordinated a variety of trainings, including KSWDC, SUJALA, NABARD Bangalore, Management Development Programme, Counseling and Exhibition, and EDP in several districts of Karnataka.

#### **Contact Details:**

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#### Abstract:

Mrs. Bhuvana Suresh led the session, which intended to provide insights into entrepreneurship, attributes, and qualities of an entrepreneur. She also inspired the students by addressing her own entrepreneurial experience. Mr. S. Sadashiva provided his knowledge on numerous aspects of business startup help, such as project selection, registration, finance, technical, training, infrastructure, raw materials, plants and machines, and marketing information. This report summarizes the workshop's main topics, focusing on the essential areas of assistance for MBA and MCA students in starting their own businesses.

#### **Introduction:**

The One-Day Entrepreneurship Awareness Program offers a dynamic exploration of the entrepreneurial landscape, aimed at fostering a deeper understanding of entrepreneurship and empowering aspiring business leaders. Throughout the program, participants delve into the multifaceted world of entrepreneurship, gaining insights into the roles and responsibilities of entrepreneurs in driving innovation and economic growth. Through interactive discussions and practical exercises, participants develop a comprehensive understanding of key traits and how to cultivate them within themselves.

Moreover, the program provides invaluable guidance on essential areas of assistance for launching a business, ranging from project selection, registration, finance, technical, training, infrastructure, raw materials, plants and machines, and marketing information. By the end of the program, participants emerge equipped with the knowledge, skills, and resources needed to embark on their entrepreneurial journey with confidence and clarity.

#### **Key Learnings:**

#### 1. Understanding Entrepreneurship:

- Deeper understanding of entrepreneurship, its significance in driving innovation, and its role in economic development.
- Identifying their personal strengths and areas for development in relation to entrepreneurial traits and qualities.
- Inspired participants to embrace an entrepreneurial mindset, fostering creativity, resilience, and a willingness to take calculated risks.
- Practical knowledge about essential aspects of starting a business, including market research, business planning, funding options, and legal considerations.

#### 2. Overview of Key Areas of Assistance and Sources:

- Selection of a Project MSME, DIC, TCOs, KSFCs
- Registration DIC, LA
- Finance Banks, KSFCs, NSIC

(Through DIC/KSWDC/KSW&CD/NSIC/SIDBI/IDBI/DDU/SC-ST/Minority Corporation

- Technical DIC, TCOs, CFTRI, MSME, NSIC, DFRL
- Training AWAKE, MSME, TCOs, DIC, CFTRI
- Infrastructure DIC, KIADB, KSSIDC, LA
- Raw Material DIC, AWAKE
- Plants & Machinery AWAKE, DIC, NSIC, MSME
- Marketing Information DIC, EPC, AWAKE,

#### **Conclusion:**

The One-Day Entrepreneurship Program workshop proved to be a transformative experience for MBA and MCA students, providing them with invaluable insights and knowledge essential for their entrepreneurial journey. Throughout the day, students gained a deeper understanding of entrepreneurship, its core concepts, and the qualities required for success in the competitive business landscape. The workshop effectively fostered an entrepreneurial mindset among students, inspiring creativity, resilience, and a proactive approach to problem-solving.

As MBA and MCA students prepare to enter the dynamic world of business and technology, the insights gleaned from the workshop will undoubtedly serve as a solid foundation for their future endeavors. With a newfound understanding of entrepreneurship and a sharpened entrepreneurial mindset, students are poised to make meaningful contributions to innovation, economic growth, and societal development.

















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## **Student Feedback:**

| Time<br>stamp       | Name of<br>the<br>Participant | Depa<br>rtmen<br>t | How satisfied<br>are you with<br>the topics<br>discussed at<br>the<br>programme? | How<br>satisfied<br>are you<br>with the<br>Seminar<br>on<br>Product<br>Identificati<br>on in<br>MSME<br>sectors<br>and<br>MSME<br>schemes<br>applicatio<br>n? | How<br>organis<br>ed was<br>the<br>session<br>s? | I'm<br>happy<br>with the<br>amount<br>of<br>informati<br>on<br>discusse<br>d in the<br>sessions. | Overall,<br>how you<br>rate the<br>programm<br>e? |
|---------------------|-------------------------------|--------------------|--|---|--|--|---|
| 13-04-2024          |                               |                    |  | Strongly  | Very   |  |   |
| 11:25               | Murali                        | MBA                | Very satisfied   | agree   | satisfied<br>Somew                               | Excellent  | Excellent   |
| 13-04-2024<br>11:26 | Girish G                      | MBA                | Very satisfied   | Strongly agree  | hat<br>satisfied                                 | Excellent  | Very good   |
| 13-04-2024<br>11:28 | Manoj R                       | MBA                | Very satisfied   | Strongly agree  | Very satisfied                                   | Excellent  | Excellent   |
| 13-04-2024<br>11:28 | Sneha.N                       | MBA                | Somewhat satisfied   | Agree   | Very<br>satisfied                                | Very<br>good   | Good  |
| 13-04-2024<br>11:28 | Bikram R<br>Dey               | MBA                | Very satisfied   | Strongly agree  | Very satisfied                                   | Excellent  | Excellent   |
| 13-04-2024<br>11:28 | Disha<br>Mukherjee            | MBA                | Neither<br>satisfied nor<br>dissatisfied   | Agree   | Neither<br>satisfied<br>nor<br>dissatisf<br>ied  | Good   | Fair  |
| 13-04-2024<br>11:30 | Soundarya                     | MBA                | Very satisfied   | Strongly agree  | Very<br>satisfied                                | Excellent  | Excellent   |
| 13-04-2024<br>11:30 | Bharath DS                    | MBA                | Somewhat satisfied   | Agree   | Somew<br>hat<br>satisfied                        | Very<br>good   | Very good   |
| 13-04-2024<br>11:30 | Sabyasachi<br>Dey             | MBA                | Very satisfied   | Strongly agree  | Very<br>satisfied                                | Excellent  | Excellent   |
| 13-04-2024<br>11:30 | raushan<br>chaubey            | MBA                | Neither<br>satisfied nor<br>dissatisfied   | Neither<br>agree nor<br>disagree  | Somew<br>hat<br>satisfied                        | Fair   | Fair  |
| 13-04-2024<br>11:31 | Shivani<br>Singh              | MBA                | Very satisfied   | Strongly agree  | Very<br>satisfied                                | Excellent  | Excellent   |
| 13-04-2024<br>11:32 | Karthik<br>Ralla              | MBA                | Very satisfied   | Agree   | Very satisfied                                   | Excellent  | Very good   |
| 13-04-2024<br>11:33 | Preethi B P                   | MBA                | Very satisfied   | Agree   | Somew<br>hat<br>satisfied                        | Excellent  | Very good   |
| 13-04-2024<br>11:33 | Akshatha                      | MBA                | Very satisfied   | Agree   | Very<br>satisfied                                | Very<br>good   | Excellent   |

| 13-04-2024<br>11:34 | Rashmi C                 | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
|---------------------|--------------------------|-----|--------------------|----------------------------------|---------------------------|--------------|-----------|
| 13-04-2024<br>11:34 | Nityanand                | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Very good |
| 13-04-2024<br>11:35 | KIRAN B B                | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>11:35 | Amith.C                  | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>11:36 | Venkatesh<br>S           | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>11:37 | Narendra N               | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>11:37 | Abhay<br>Ganesh G<br>R   | MBA | Very satisfied     | Agree                            | Very<br>satisfied         | Excellent    | Very good |
| 13-04-2024<br>11:38 | Santosh M                | MBA | Very satisfied     | Agree                            | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>11:39 | Priyadarshi<br>ni V P    | MBA | Very satisfied     | Agree                            | Very<br>satisfied         | Very<br>good | Very good |
| 13-04-2024<br>11:40 | Maniganda<br>n A         | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>11:42 | Talari balaji            | MBA | Very satisfied     | Strongly agree                   | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>11:43 | Sudashree<br>k           | MBA | Somewhat satisfied | Agree                            | Somew<br>hat<br>satisfied | Excellent    | Very good |
| 13-04-2024<br>11:45 | Ganesh C<br>N            | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>11:47 | R.Geetha                 | MBA | Very satisfied     | Agree                            | Very<br>satisfied         | Very<br>good | Excellent |
| 13-04-2024<br>11:48 | Lavanya.N                | MBA | Very satisfied     | Agree                            | Very<br>satisfied         | Very<br>good | Excellent |
| 13-04-2024<br>11:49 | Bharath kt               | MBA | Very satisfied     | Agree                            | Very<br>satisfied         | Very<br>good | Excellent |
| 13-04-2024<br>11:50 | Hemanth<br>Kumar C S     | MBA | Somewhat satisfied | Strongly agree                   | Very<br>satisfied         | Very<br>good | Excellent |
| 13-04-2024<br>11:50 | Vandana c                | MBA | Very satisfied     | Agree                            | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>11:53 | Priya N                  | MBA | Very satisfied     | Neither<br>agree nor<br>disagree | Somew<br>hat<br>satisfied | Good         | Good      |
| 13-04-2024<br>11:56 | Sanjana                  | MBA | Very satisfied     | Strongly agree                   | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>11:57 | Thilak<br>Gowda S        | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>12:04 | Bharti<br>Kumari         | MBA | Somewhat satisfied | Agree                            | Somew<br>hat<br>satisfied | Good         | Good      |
| 13-04-2024<br>12:06 | AKSHAY<br>SUVARNA<br>B G | MCA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>12:09 | Madhusha<br>M            | MCA | Very satisfied     | Agree                            | Very<br>satisfied         | Very<br>good | Very good |

| 13-04-2024<br>12:11 | Prajwal T                | MCA | Very satisfied     | Strongly agree | Very<br>satisfied         | Excellent    | Excellent |
|---------------------|--------------------------|-----|--------------------|----------------|---------------------------|--------------|-----------|
| 13-04-2024<br>12:17 | Anusha B V               | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:18 | Venkatesh<br>N           | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:18 | Sangeetha<br>D           | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:18 | -<br>Harish<br>gowda R   | MBA | Very satisfied     | Agree          | Very<br>satisfied         | Very<br>good | Very good |
| 13-04-2024<br>12:18 | Prabhavath<br>i K        | MBA | Somewhat satisfied | Agree          | Somew<br>hat<br>satisfied | Very<br>good | Very good |
| 13-04-2024<br>12:18 | Suhail khan              | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:18 | Sandiyaa R               | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:18 | Vinodh k n               | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:18 | Jotheswar                | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:18 | Sukith R                 | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Chethana<br>R            | MBA | Somewhat satisfied | Agree          | Somew<br>hat<br>satisfied | Good         | Good      |
| 13-04-2024<br>12:19 | Laxmi                    | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Abdul<br>Raheem          | MBA | Very satisfied     | Agree          | Very satisfied            | Excellent    | Very good |
| 13-04-2024<br>12:19 | Asha c                   | MBA | Somewhat satisfied | Agree          | Somew<br>hat<br>satisfied | Very<br>good | Very good |
| 13-04-2024<br>12:19 | Chaithra. L              | MBA | Somewhat satisfied | Strongly agree | Very satisfied            | Excellent    | Very good |
| 13-04-2024<br>12:19 | Goutham G                | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Sharath p                | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Lakshmi<br>Narayan<br>KS | MBA | Very satisfied     | Agree          | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Tejaswini.R              | MBA | Very satisfied     | Agree          | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Sai Jahnavi              | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Ananya                   | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Trupti M<br>Melmuri      | MBA | Very satisfied     | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Mallika N                | MBA | Somewhat satisfied | Agree          | Very satisfied            | Very<br>good | Very good |

| 13-04-2024<br>12:19 | Sparshith V            | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Excellent    | Excellent |
|---------------------|------------------------|-----|--|----------------|---------------------------|--------------|-----------|
| 13-04-2024<br>12:19 | Nandhini S             | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Very<br>good | Very good |
| 13-04-2024<br>12:19 | Udayashre<br>e S V     | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Lalitha<br>Mohana      | MBA | Somewhat satisfied                       | Agree          | Somew<br>hat<br>satisfied | Very<br>good | Very good |
| 13-04-2024<br>12:19 | Umesh ks               | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | SINDHU S               | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Soundarya<br>v         | MBA | Very satisfied                           | Agree          | Very satisfied            | Very<br>good | Very good |
| 13-04-2024<br>12:19 | Pavithrashr<br>eee S P | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Jyothish N             | MBA | Very satisfied                           | Strongly agree | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>12:19 | Ruchitha H<br>M        | MBA | Somewhat satisfied                       | Agree          | Somew<br>hat<br>satisfied | Good         | Good      |
| 13-04-2024<br>12:19 | KRISHNA<br>D           | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Very<br>good | Very good |
| 13-04-2024<br>12:19 | Sindhu KG              | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Good         | Very good |
| 13-04-2024<br>12:20 | Shreya R               | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>12:20 | Bm<br>manjunatha       | MBA | Very satisfied                           | Agree          | Very<br>satisfied         | Very<br>good | Very good |
| 13-04-2024<br>12:20 | Aishwarya<br>B Shetty  | MBA | Somewhat satisfied                       | Agree          | Very satisfied            | Very<br>good | Very good |
| 13-04-2024<br>12:20 | Suchithra B            | MBA | Very satisfied                           | Agree          | Somew<br>hat<br>satisfied | Very<br>good | Excellent |
| 13-04-2024<br>12:20 | Preethi.M              | MBA | Very satisfied                           | Agree          | Very<br>satisfied         | Good         | Good      |
| 13-04-2024<br>12:20 | Chaithra.R             | МВА | Very satisfied                           | Agree          | Somew<br>hat<br>satisfied | Very<br>good | Very good |
| 13-04-2024<br>12:20 | Gnanesh<br>murthy      | MBA | Very satisfied                           | Strongly       | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>12:21 | Chandan D              | MBA | Neither<br>satisfied nor<br>dissatisfied | Agree          | Somew<br>hat<br>satisfied | Very<br>good | Good      |
| 13-04-2024<br>12:21 | Pradeep.s              | MBA | Very satisfied                           | Agree          | Very satisfied            | Good         | Good      |
| 13-04-2024<br>12:21 | KRISHNA<br>D           | MBA | Very satisfied                           | Strongly agree | Very satisfied            | Very<br>good | Very good |
| 13-04-2024<br>12:21 | Sindhu H               | MBA | Very satisfied                           | Agree          | Very satisfied            | Excellent    | Very good |
| 13-04-2024<br>12:21 | Manohar j              | MBA | Very satisfied                           | Agree          | Very satisfied            | Excellent    | Excellent |

| 13-04-2024<br>12:28 | Surya M                | MBA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
|---------------------|------------------------|-----|--------------------|----------------------------------|---------------------------|--------------|-----------|
| 13-04-2024<br>12:28 | Raushan<br>chaubey     | MBA | Very satisfied     | Agree                            | Somew<br>hat<br>satisfied | Very<br>good | Good      |
| 13-04-2024<br>12:44 | Ruchitha R<br>Kudalkar | MCA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>13:02 | Bhargav.k              | MBA | Very satisfied     | Strongly agree                   | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>14:16 | Kavya T                | MCA | Very satisfied     | Strongly agree                   | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>14:32 | Manasa N               | MCA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Excellent    | Excellent |
| 13-04-2024<br>15:03 | Hoshan.g               | MBA | Somewhat satisfied | Neither<br>agree nor<br>disagree | Somew<br>hat<br>satisfied | Good         | Good      |
| 13-04-2024<br>16:21 | Rakshita<br>Hegde      | MCA | Somewhat satisfied | Agree                            | Very<br>satisfied         | Very<br>good | Very good |
| 13-04-2024<br>17:06 | Jala. S                | MCA | Very satisfied     | Strongly agree                   | Very<br>satisfied         | Very<br>good | Very good |
| 13-04-2024<br>19:51 | Sharanaba<br>sappa     | MCA | Very satisfied     | Strongly agree                   | Very satisfied            | Excellent    | Excellent |
| 13-04-2024<br>20:34 | Vijeth M               | MCA | Somewhat satisfied | Agree                            | Somew<br>hat<br>satisfied | Good         | Good      |
| 14-04-2024<br>09:36 | Kavya.M                | МСА | Very satisfied     | Agree                            | Somew<br>hat<br>satisfied | Very<br>good | Very good |

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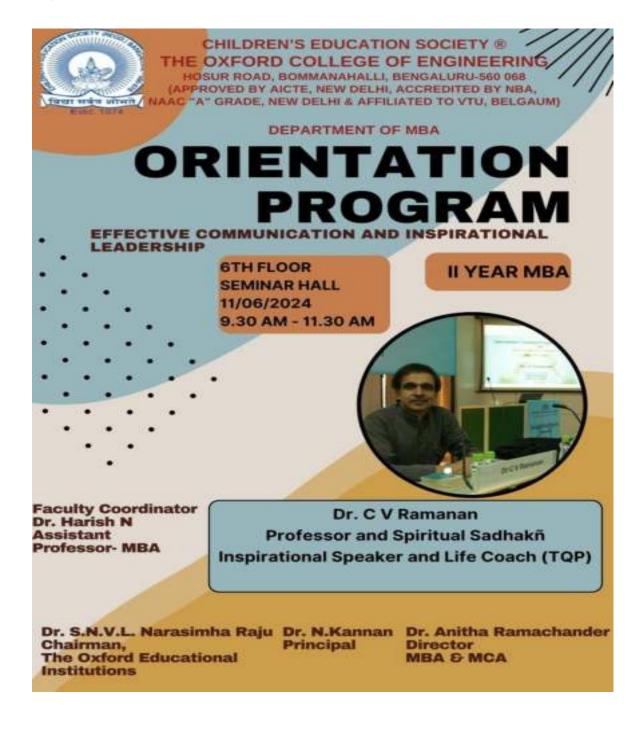
**DIRECTOR MBA & MCA** 



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 "A Grade", New Delhi & Affiliated to VTU, Belgaum)

## **Department of Master of Business Administration**

Report on Orientation Program "Effective Communication and Inspirational Leadership"-June 11, 2024.



Title: Orientation Program on "Effective Communication and Inspirational Leadership"

**Resource Person**: Dr. C V Ramanan, Professor and Spiritual Sadhak, Inspirational Speaker and Life Coach (TQP)

Date: 11/06/2024

Venue: Seminar Hall, 6th floor, Department of MBA, The Oxford College of Engineering.

Audience: MBA 2<sup>nd</sup> year Students (IV Sem)

Total no. of participants: 103

## **Facebook Link:**

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## Feedback link:

https://docs.google.com/forms/d/1HvIzNUC36XbHkfcqzrpuGfkYAuo74cAypvNiuteG-Iw/edit

# About the Speaker:

Dr. C V Ramanan has done his B.Tech. from Delhi College of Engineering (DCE), MBA from University Business School (UBS), Chandigarh and Ph.D in Vivek Management / Life Skills based on Indian Ethos. He has around 43 years of experience, which include senior positions in the world. He was Professor and Director of a management institute for nearly a corporate decade, blending modern thoughts and eternal values. He headed another business school as Director for 3 years and was Director, ISTD for 6 years. Dr. Ramanan was involved with consulting, counseling and mentoring in Prudentia Group as Chief Mentor and Happiness Officer. He was also visiting INMANTEC Institutions as Director, Centre for Joy @ Work. Dr. Ramanan has conducted more than 1000 workshops in 25 years with all segments in 30 cities pan India. He was honoured by a University and got the "Best Teacher, Trainer and Healer" award for his ability related to spirituality and values through his unique concept of Total Quality Person (TQP).

## **Contact Details:**

### Mobile Number: 9818076589

E-mail: drcvramanan@totalqualityperson.com

## Introduction

The orientation program on "Effective Communication and Inspirational Leadership" was conducted on June 11, 2024 at 6th Floor Seminar Hall. The program featured Dr. C V Ramanan, a renowned professor, spiritual sadhak, inspirational speaker, and life coach. Dr. Ramanan's extensive expertise in leadership and communication provided invaluable insights to the participants, aiming to enhance their skills in these crucial areas.

# **Objectives**

The main objectives of the orientation program were to:

- Understand the fundamentals of effective communication.
- Learn strategies to become an inspirational leader.
- Develop skills to motivate and influence others positively.
- Integrate spiritual principles into leadership practices.

# **Program Outline**

### **Introduction to Effective Communication**

Dr. Ramanan began the program by emphasizing the importance of communication in both personal and professional settings. Key topics covered in this session included:

- The Basics of Communication: Understanding verbal and non-verbal communication.
- Active Listening: Techniques to improve listening skills.
- Barriers to Communication: Identifying and overcoming common obstacles.
- Feedback Mechanisms: The role of constructive feedback in communication.

### **Strategies for Effective Communication**

Dr. Ramanan delved into advanced strategies for enhancing communication:

- Clarity and Conciseness: Techniques to convey messages clearly and succinctly.
- Emotional Intelligence: The role of empathy and emotional awareness in communication.
- Public Speaking: Tips for engaging and influencing an audience.
- Conflict Resolution: Strategies for managing and resolving conflicts effectively.

#### **Inspirational Leadership**

- Qualities of an Inspirational Leader: Essential traits and behaviors of effective leaders.
- Vision and Purpose: Crafting and communicating a compelling vision.
- Motivation and Empowerment: Techniques to inspire and empower team members.
- Leading by Example: The impact of leading with integrity and authenticity.

### **Integrating Spiritual Principles into Leadership**

Dr. Ramanan, being a spiritual sadhak, integrated spiritual principles into the leadership discourse:

- Mindfulness and Presence: The importance of being present and mindful as a leader.
- Ethical Leadership: Upholding ethical standards and values in leadership.
- Holistic Development: Encouraging the growth of mind, body, and spirit in oneself and others.
- Service-Oriented Leadership: Leading with the intention to serve and uplift others.

# **Conclusion:**

The orientation program on "Effective Communication and Inspirational Leadership" by Dr. C V Ramanan was a resounding success. It provided participants with valuable insights and practical skills to enhance their communication and leadership abilities. The integration of spiritual principles added a unique and enriching dimension to the program, making it a holistic learning experience.













|   |   | OXFORD COLLEGE OF ENG<br>DEPT OF MBA  |  |
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| 96  | 1OX22BA096 | PRAGATHI H S      | Pragathi 110    |
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| 102 | IOX22BA102 | ROBERT REJI       | as              |
| 103 | 1OX22BA103 | SAHANA H M        | Sahana H.H      |
| 104 | IOX22BA104 | SANGEETHA B       | Sangeutha.B     |
| 105 | 1OX22BA105 | SANKETH H U       |                 |
| 106 | 1OX22BA106 | SANTHOSHNAIKA G N |                 |
| 107 | 1OX22BA107 | SHRAVANIN         | SHRAVANT.N      |
| 108 | IOX22BA108 | SOMANATH ROUT     | 21101010        |
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| 110 | IOX22BA110 | SURESH B G        | Sures B.G       |
| 111 | 10X22BA111 | VAISHNAVI B       | Carbanik        |
| 112 | 1OX22BA112 | VANITHA S         | Varda           |
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|     | IOX22BA115 | VENNILA           | Venation        |
| 116 | 1OX22BA116 | VIJAY KUMAR B S   |                 |
| 117 | IOX22BA117 | VINODA YC         | Juinoday-c      |
|     | IOX22BA118 | VISHNU KUMAR M    | they.           |
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## Feedback by the students:

| Timestamp              | Name of the<br>Participant | Department | How<br>satisfied are<br>you with the<br>topics<br>discussed at<br>the<br>programme? | How satisfied<br>are you with<br>the Orientation<br>Program on<br>Effective<br>Communication<br>and<br>Inspirational<br>Leadership | How<br>organised<br>was the<br>sessions?    | I'm happy<br>with the<br>amount of<br>information<br>discussed<br>in the<br>sessions. | Overall, how<br>you rate the<br>programme? |
|------------------------|----------------------------|------------|---|--|---|---|--|
| 2024/06/12<br>12:38:12 | Vinoda yc                  | MBA        | Very<br>satisfied   | Agree  | Very<br>satisfied                           | Very good   | Very good                                  |
| 2024/06/12<br>12:38:27 | Arika V                    | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:38:38 | Bhavadharani. S            | MBA        | Very<br>satisfied   | Agree  | Very<br>satisfied                           | Excellent   | Very good                                  |
| 2024/06/12<br>12:38:45 | Lokesh kumar. P            | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:38:45 | Vaishnavi B                | MBA        | Somewhat<br>satisfied   | Agree  | Somewhat<br>satisfied                       | Very good   | Good                                       |
| 2024/06/12<br>12:38:47 | Geethanjali                | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:38:57 | Navyashree C               | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:38:57 | Niveditha L                | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:39:01 | Gokul Prasath P            | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Very good   | Excellent                                  |
| 2024/06/12<br>12:39:05 | Rakshitha G                | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:39:20 | Vinod Kumar S              | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:39:50 | Pavan. M                   | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Very good   | Very good                                  |
| 2024/06/12<br>12:40:22 | ADITHYA K N                | MBA        | Very<br>satisfied   | Agree  | Neither<br>satisfied<br>nor<br>dissatisfied | Fair  | Very good                                  |
| 2024/06/12<br>12:40:25 | Sai sushma                 | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:41:03 | Lokesh.N                   | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Excellent                                  |
| 2024/06/12<br>12:41:04 | Kumaraswamy R<br>N         | MBA        | Very<br>satisfied   | Strongly agree   | Very<br>satisfied                           | Excellent   | Very good                                  |
| 2024/06/12<br>12:41:06 | C HARATHI                  | MBA        | Somewhat<br>satisfied   | Agree  | Very<br>satisfied                           | Very good   | Very good                                  |

| 2024/06/12<br>12:42:06 | Sirisha V                      | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Good      |
|------------------------|--------------------------------|-----|-----------------------|----------------|-----------------------|-----------|-----------|
| 2024/06/12<br>12:42:14 | Robert Reji                    | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Very good |
| 2024/06/12<br>12:42:34 | S N CHANDANA                   | MBA | Somewhat<br>satisfied | Agree          | Somewhat<br>satisfied | Very good | Very good |
| 2024/06/12<br>12:42:58 | Yashavantha S<br>Korigannavara | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:43:08 | Bhanusha B M                   | MBA | Somewhat<br>satisfied | Agree          | Very<br>satisfied     | Excellent | Very good |
| 2024/06/12<br>12:44:03 | Vennila                        | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:44:33 | Pragathi H S                   | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:45:13 | Hemashree S                    | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Excellent |
| 2024/06/12<br>12:45:43 | Monika s                       | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Very good |
| 2024/06/12<br>12:45:50 | Nithin                         | MBA | Very<br>satisfied     | Agree          | Somewhat<br>satisfied | Excellent | Very good |
| 2024/06/12<br>12:46:13 | Annapoorna R                   | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:46:23 | Kiran                          | MBA | Somewhat<br>satisfied | Agree          | Very<br>satisfied     | Very good | Very good |
| 2024/06/12<br>12:46:40 | Harini S                       | MBA | Very<br>satisfied     |                | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:47:27 | Sangeetha K E                  | MBA | Somewhat<br>satisfied | Agree          | Very<br>satisfied     | Good      | Good      |
| 2024/06/12<br>12:48:00 | Puli Mounika                   | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:48:01 | Sneha Jayawant<br>Naik         | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:48:31 | Veera manikanta<br>k           | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:50:09 | Sangeetha s                    | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>12:53:08 | Prathibha KM                   | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Good      | Very good |
| 2024/06/12<br>12:54:35 | Chethan R                      | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>1:00:15  | Ranjitha R                     | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |
| 2024/06/12<br>1:01:20  | Rathnavel S                    | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied     | Very good | Very good |
| 2024/06/12<br>1:01:31  | Bharath G                      | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied     | Excellent | Excellent |

| 2024/06/12<br>1:01:49    | Suresh B G               | MBA | Somewhat<br>satisfied                    | Agree                         | Very<br>satisfied                           | Good      | Good      |
|--------------------------|--------------------------|-----|--|-------------------------------|---|-----------|-----------|
| 2024/06/12<br>1:02:08    | ERWIN PRINCE<br>FERNANDO | MBA | Somewhat<br>satisfied                    | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:02:19    | N S Shravana<br>kumar    | MBA | Very<br>satisfied                        | Agree                         | Very<br>satisfied                           | Very good | Very good |
| 2024/06/12<br>1:02:47 pm | Ravi kumar S V           | MBA | Somewhat<br>satisfied                    | Agree                         | Somewhat satisfied                          | Very good | Very good |
| 2024/06/12<br>1:03:55    | Suhana Banu A            | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:04:51    | Pavan yadav k s          | MBA | Very<br>satisfied                        | Agree                         | Very<br>satisfied                           | Very good | Excellent |
| 2024/06/12<br>1:10:14    | Murali RS                | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:15:22    | Meganathan S             | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:15:47    | Shruthi S                | MBA | Very<br>satisfied                        | Agree                         | Very<br>satisfied                           | Very good | Excellent |
| 2024/06/12<br>1:16:41    | Amrutha S                | MBA | Neither<br>satisfied nor<br>dissatisfied | Neither agree<br>nor disagree | Neither<br>satisfied<br>nor<br>dissatisfied | Good      | Good      |
| 2024/06/12<br>1:22:15    | Sahana H M               | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:28:20    | MEGHANA N                | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:38:12    | Priyanka kanaje          | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Very good |
| 2024/06/12<br>1:43:00    | Sangeetha.B              | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:43:24    | Sunitha mv               | MBA | Very<br>satisfied                        | Agree                         | Somewhat satisfied                          | Very good | Very good |
| 2024/06/12<br>1:46:12    | Shravani N               | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:49:21    | Meghashree AH            | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>1:54:13    | Akshay sv igar           | MBA | Very<br>satisfied                        | Agree                         | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>2:05:51    | Waseema<br>Firdous       | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>2:07:19    | Karthik C M              | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>2:27:39    | Vishnu Kumar M           | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |
| 2024/06/12<br>2:29:10    | Reshma SK                | MBA | Very<br>satisfied                        | Strongly agree                | Very<br>satisfied                           | Excellent | Excellent |

|                              |                        | 1   |                       |                |                          | 1         | 1         |
|------------------------------|------------------------|-----|-----------------------|----------------|--------------------------|-----------|-----------|
| 2024/06/12<br>2:40:21        | Vijay Kumar b s        | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied        | Very good | Very good |
| 2024/06/12                   |                        |     | Very                  | 1.5100         | Very                     | very good |           |
| 2:41:38                      | Vikas M                | MBA | satisfied             | Strongly agree | satisfied                | Very good | Very good |
| 2024/06/12<br>2:42:12        | BharathKumar V<br>N    | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied        | Very good | Excellent |
| 2024/06/12<br>3:50:59        | Sanjay shetty L        | MBA | Somewhat<br>satisfied | Agree          | Very<br>satisfied        | Excellent | Very good |
| 2024/06/12<br>3:51:11        | RAVI KUMAR S M         | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied        | Excellent | Excellent |
| 2024/06/12<br>4:22:28        | Akash Gowda M<br>Patil | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied        | Excellent | Excellent |
| 2024/06/12<br>4:35:34        | Chandru.G              | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied        | Very good | Excellent |
| 2024/06/12<br>6:44:34        | Nithin D Gani          | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied        | Excellent | Excellent |
| 2024/06/12<br>7:53:00        | Nishanthi.M            | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied        | Very good | Excellent |
| 2024/06/12<br>9:05:28        | Purushotham<br>Reddy   | MBA | Somewhat<br>satisfied | Strongly agree | Very<br>satisfied        | Excellent | Excellent |
| 2024/06/13<br>10:52:19       | Liyakath Basha A       | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied        | Excellent | Excellent |
| 2024/06/13<br>10:52:53       | ADITHYA K N            | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied        | Excellent | Excellent |
| 2024/06/13<br>10:52:54       | Aditya                 | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied        | Excellent | Excellent |
| 2024/06/13<br>10:53:02       | Sanketh H U            | MBA | Somewhat<br>satisfied | Strongly agree | Somewhat<br>satisfied    | Very good | Very good |
| 2024/06/13<br>10:53:06<br>am | Chethan k g            | MBA | Very<br>satisfied     | Strongly agree | Very<br>satisfied        | Excellent | Excellent |
| 2024/06/13<br>10:53:12       | VEERENDRA HP           | MBA | Very<br>satisfied     | Agree          | Somewhat<br>dissatisfied | Very good | Very good |
| 2024/06/13<br>10:53:13       | Maruthi prasad         | MBA | Very<br>satisfied     | Agree          | Very<br>satisfied        | Very good | Very good |
| 2024/06/13<br>10:53:42       | SANTHOSHNAIKA<br>G N   | MBA | Somewhat<br>satisfied | Agree          | Very<br>satisfied        | Very good | Excellent |
|                              | 1                      | 1   | 1                     | 1              | 1                        | 1         | 1         |

Roulti

**DIRECTOR MBA & MCA** 





## Children's Education Society ®

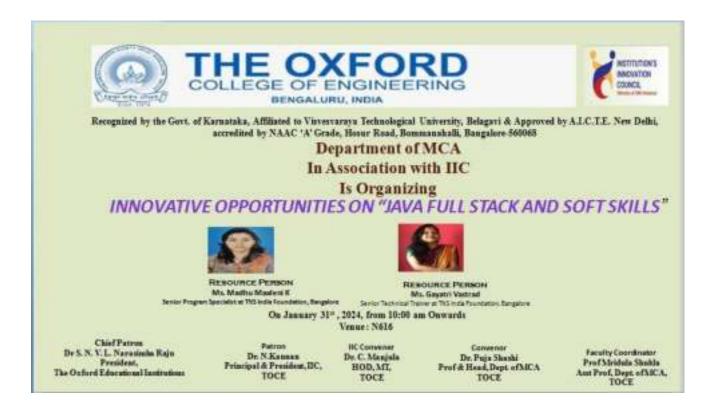
# THE OXFORD COLLEGE OF ENGINEERING

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

# Hosur Road, Bommanahalli, Bengaluru-560 068

Website: www.theoxford.edu

# **DEPARTMENT OF MCA**





Department of MCA, The Oxford College of Engineering in association with IIC organized a one day "Innovative opportunities on **Java Full Stack and Soft Skills**" for 1<sup>st</sup> and 2<sup>nd</sup> year students on 31<sup>st</sup> January 2024. The session started with welcome address by Ms. Keerthana H S, Student of 2<sup>nd</sup> year MCA with the introduction of resource person. The resource person of the program was **Ms. Madhu Maaleni K**, Senior Program Specialist and **Ms. Gayatri Vastrad**, Senior technical trainer of TNS India Foundation, Bengaluru. She started her session on Soft Skills and explained about the importance of Soft Skills. Finally the session was concluded with vote of thanks by Ms. Priyanka, Student 2<sup>nd</sup> year. The workshop was coordinated by Ms.Mridula Shukla (Assistant Professor) under the guidance of Dr.Puja Shashi, Prof & Head, MCA.

- Ms. Madhu Malini K, Senior Program Specialist, of TNS India Foundation, Bengaluru.
- Ms. Gayatri Vastrad, Senior Technical Trainer, of TNS India Foundation, Bengaluru.
- Dr. N Kannan, Principal, The Oxford College of Engineering, Bengaluru.
- Dr. Puja Shashi, Head-MCA, The Oxford College of Engineering, Bengaluru.

#### **Resource Person Detail:**

Name: Ms. Madhu Malini K Designation (Grade): Senior Program Specialist of TNS India Foundation

#### **Introduction:**

The primary objective of this one-day workshop is to provide participants with an in-depth understanding of innovative opportunities in Java Full Stack development and equip them with essential soft skills necessary for success in the tech industry. By the end of the workshop, participants should:

Gain insights into the latest trends and technologies in Java Full Stack development.

Understand how to leverage innovative tools and frameworks for building scalable and efficient Java applications.

Enhance their soft skills, including communication, problem-solving, teamwork, adaptability, and time management.

Apply practical knowledge through hands-on activities and interactive sessions.

Develop a roadmap for continuous learning and career growth in Java Full Stack development.

#### **Innovation based Microservices Architecture:**

Innovation in microservices architecture allows developers to decompose monolithic applications into smaller, autonomous services

#### **Innovation based Serverless Computing:**

The rise of serverless computing introduces innovative ways to build and deploy Java applications with minimal infrastructure management

#### **Innovative Web Apps (IWAs):**

Innovations in Progressive Web Apps (PWAs) enable Java developers to deliver web applications with native-like experiences across devices

#### **Reactive Programming:**

Reactive programming paradigms revolutionize how Java applications handle asynchronous and event-driven workflows

#### Artificial Intelligence (AI) and Machine Learning (ML):

Incorporating AI and ML capabilities into Java full stack development unlocks a world of innovative applications and intelligent features. Java libraries such as Deeplearning4j and TensorFlow

#### **OUTCOME:**

Innovations in Java full stack development encompass a wide range of technologies, methodologies, and practices that drive continuous improvement, creativity, and competitiveness. At the end of the workshop, participants will have achieved the following Acquired a deep understanding of innovative opportunities in Java Full Stack development, including microservices, cloud-native architecture, and API-driven solutions.

Gained hands-on experience in building a microservice using Spring Boot and Docker, enhancing their technical skills.

Improved their soft skills such as communication, problem-solving, teamwork, adaptability, and time management through interactive sessions and group activities.

Developed a roadmap for continuous learning and career growth in Java Full Stack development, with access to resources and strategies for ongoing skill enhancement.

Fostered a network of peers and industry experts for knowledge sharing and professional support.

> Total seven faculties and one hundred and four students have attended the session.

#### Facebook Link

https://www.facebook.com/photo/?fbid=1073005900695015&set=pcb.1073006254028313&\_cft\_[0]= AZUPAXDxBxZSh\_5KL31jp32C6OT7Pa83xufXn1cQ67wQK\_BFx7goip2mvllebIERIuH4fIeOOcP9H\_ -9BCEUB9PfIOBiT2DZjaukHW3EzoiYCw&\_tn\_=\*bH-R

#### <u>LinkedIn Link</u>

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### **Twitter Link**

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#### <u>Koo Link</u>

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Faculty Coordinator

HO

**IIC Convenor** 

Principal

The Oxford College of En. Bosus Road, BANGALORE -



Madhu Maaleni K Senior Program Specialist TNS India Foundation Total experience - 14 years Trained students, teachers and employees



Gayatri Vastrad

Senior technical trainer having more than 8 years of experience in Java and Java related technologies

INSTITUTION'S INNOVATION COUNCIL

#### Children's Education Society & THE ONFORD COLLEGE OF ENGINEERING Hovar Road, Bommanahalli, Bengaluru-560.068 Websitets www.theoxfordengg.org [Accrosed by ACIL New Debs, Accredited by NBA, NAAC, New Debi & Amilaned to VTV, Belgaum)

# THE OXFORD

# Orientation on Java Full Stack and Soft Skills

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Children's Education Society ®

# THE OXFORD COLLEGE OF ENGINEERING

# (Approved by AICTE, New Delhi, Accredited by NBA, NAAC 'A' Grade, New

Delhi & Affiliated to VTU, Belgaum)

Hosur Road, Bommanahalli, Bengaluru-560 068

Website: www.theoxford.edu

# Department of MCA





The Department of MCA at The Oxford College of Engineering successfully organized a oneday hands-on workshop on "Innovations and New Techniques in Application Development Using Spring and Spring Boot." The event aimed to provide students and aspiring web developers with practical insights into modern web application development using these cuttingedge frameworks. The workshop was attended by a diverse group of participants and was characterized by informative sessions, interactive coding exercises, and knowledge sharing.

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

- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. Puja Shashi, Professor, The Oxford College of Engineering
- Dr. Manjula , IIC Coordinator, The Oxford College of Engineering
- Mr. Nagesh V, Technical Training Manager ZOLO (MyXp)

The "Innovations and New Techniques in Application Development Using Spring and Spring Boot" workshop was a one-day event that brought together professionals, developers, and enthusiasts to explore the latest advancements in application development using the Spring framework and Spring Boot. The workshop aimed to provide participants with insights into cutting-edge technologies, best practices, and hands-on experience to enhance their skills in building robust and scalable applications.

#### Workshop Highlights:

#### 1. Keynote Address:

The workshop commenced with an insightful keynote address by Mr. Nagesh V, Technical Training Manager ZOLO (MyXp), an industry expert renowned for their contributions to the field of application development. The keynote set the tone for the day, emphasizing the importance of innovation in the ever-evolving landscape of technology.

#### 2. Technical Sessions:

The heart of the workshop comprised a series of technical sessions led by seasoned professionals and experts in the domain. The sessions covered a range of topics, including:

#### **Introduction to Spring and Spring Boot:**

An overview of the fundamentals and architecture of the Spring framework and its lightweight counterpart, Spring Boot.

#### **Microservices Architecture:**

Exploring the principles and benefits of microservices architecture, and how Spring Boot facilitates the development of microservices-based applications.

#### **Reactive Programming with Spring:**

An in-depth look into reactive programming and how Spring's reactive features can be leveraged to build responsive and resilient applications.

### **Spring Security:**

Addressing the crucial aspect of securing applications with Spring Security, including authentication, authorization, and best practices.

#### Containerization and Deployment with Docker and Kubernetes:

Demonstrating the integration of Spring Boot applications with containerization technologies for seamless deployment and scalability.

#### **3. Hands-on Workshops:**

Participants had the opportunity to apply theoretical knowledge through hands-on workshops. These sessions allowed attendees to code alongside the experts, gaining practical experience in implementing the concepts discussed during the technical sessions.

#### 4. Networking and Collaboration:

The workshop fostered a collaborative environment, encouraging networking among participants. Attendees had the chance to interact with speakers, industry professionals, and fellow developers, facilitating the exchange of ideas and experiences.

#### 5. Panel Discussion:

A thought-provoking panel discussion delved into current trends, challenges, and future prospects in application development. Panelists shared their insights and engaged in a Q&A session with the audience, providing valuable perspectives on the industry.

#### **Outcome / Conclusion:**

The "Innovations and New Techniques in Application Development Using Spring and Spring Boot" workshop proved to be a resounding success. Participants left with a deeper understanding of the latest developments in the Spring ecosystem, enhanced coding skills, and valuable connections within the professional community. The event contributed to the continuous learning and growth of the participants, positioning them at the forefront of innovation in application development. As technology continues to evolve, events like these play a crucial role in keeping developers abreast of the latest tools and techniques, ensuring a dynamic and competitive landscape in the world of software development.

Total of 89 students and 25 Faculties have participated in this event

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HOD-MCA

**IIC-Coordinator** 

Principal

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### **IIC-Coordinator**

Principal

PRINCIPAL The Oxford College of Engineering Bommonahalli, Hosur F.c. Bengaluru-560 068 Children's Education Society @ THE OXFORD COLLEGE OF ENGINEERING Hosur Road, Bommanahalli, Bengaluru-560 068 Website:www.theoxford.edu (Approved by AICTI, New Delhi, Accredited by NBA, NAAC 'A' Grade, New Delhi & Alfibiated to VTU, Belgium)

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Remarks

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# One day workshop on "Innovations new techniques in application development using spring and spring boot" on 18 December 2023

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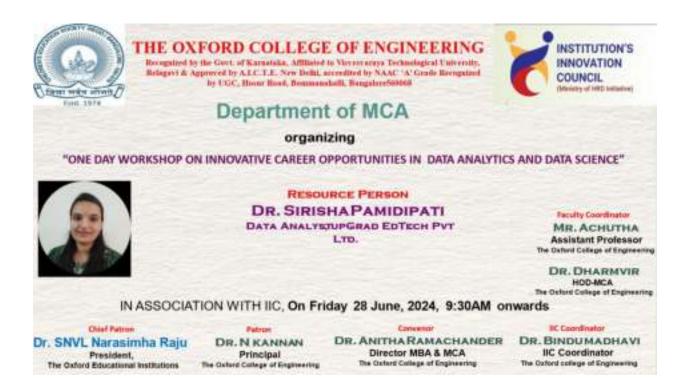
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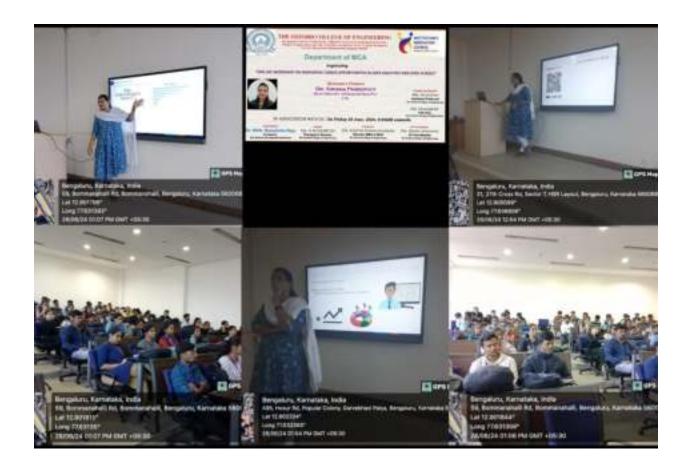
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## Department of MCA





The Department of MCA at The Oxford College of Engineering successfully organized a one-day workshop on "Innovative Career Opportunities in Data Analytics and Data Science".

- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. Anitha Ramachander, Director MBA-MCA, The Oxford College of Engineering
- Dr. Bindu Madhavi , IIC Coordinator, The Oxford College of Engineering
- Mr. Abhishek, Manager, UpGrade EdTech Pvt Ltd, Bangalore.

#### **Objective:**

The objective of data analytics is not merely to sift through numbers and charts but to unlock valuable insights that can inform decision-making, drive innovation, and proper organizations forward. Enrolling to the training to master these skills and advance the career.

#### The Speaker spoke about these key points

#### **Informed Decision-Making**

Business and Organizations are inundated with data from various sources, including customer interactions, market trends and internal operations.

Analyzing this data provides decision-makers with a comprehensive view of the current state of affairs, enabling them to make strategic and tactical decisions based on evidence rather intuition.

#### **Identifying Opportunities and Challenges**

Data analysis serves as a powerful tool for identifying both opportunities and challenges within an organization. By securitizing patterns and trends, and analysts can uncover areas where the business is excelling and where improvements are needed.

#### **Personalization and customer Experience**

In an era where customer experience is a key differentiator, data analysis empowers organizations to personalize products and services to meet individual customer needs. By analysing customer behavior, preference, and feedback, business can tailor their offerings, marketing messages, and user interfaces to create a more personalized and satisfying experience.

#### **Risk Migration**

Data analytics is a valuable tool for risk assessment and management. Organizations can assess potential issues and take preventive measures by analyzing historical data. For instance, data analytics detects fraudulent activities in the finance industry by identifying unusual transaction patterns. This not only helps minimize financial lossess but also safeguards the reputation and trust customers.

#### **Descriptive Analysis**

Descriptive Analysis involves summarizing and organizing data to describe the current situation. It uses measures like mean, median, mode and standard deviation to describe the main features of a data set.

#### Statistics

Statistics involves the collection, analysis, interpretation and presentation of data. For instance researcher uses statistics to analyses survey data, calculate the average responses and test hypotheses about population behavior.

#### **Outcome:**

The outcome of the workshop is participants will be able to articulate meaningful lines of inquiry that might be explored through the collection, organization, visualization and analysis of data in a context associated with their primary field of study using numerical, textual, spatial and/or visual data.

Total of 60 students and 20 Faculties have participated in this event.

#### **Facebook Link:**

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#### Youtube Link:

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#### LinkedIn Link:

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Children's education society The Oxford College of Engineering Hosur Road, Bommanahalli, Bengaluru-560068



Appoved by AICTE, New Delhi, Accredited by NBA, NAAC 'A' Grade, New Delhi, Attiliated to VTU, Belguam Department of MCA

One day workshop on "Innovative Career Opportunities in Data Analytics and Data Science"

Date:28-06-2024

Venue:MCA Smart Board Classroom

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## Children's education society The Oxford College of Engineering Hosur Road, Bommanahalli, Bengaluru-S60068



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Department of MCA

One day workshop on "Innovative Career Opportunities in Data Analytics and Data Science"

# Venue:MCA Smart Board Classroom

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IIC Coordin

HOD-MICA Department of MCA The Oxford College of Engineering Hoses Road, BANGALORE -

Institutions Innovation Court The Oxford College of a couring Bengaluru-560068

02.

Director MBA & MCA DIFLETER - MBA & WICA Bengaluru - 560068.

Net

IIC Convenor

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



#### THE OXFORD COLLEGE OF ENGINEERING

Recognized by the Govt, of Karnataka, Alfiliated to Viversuaraya Technological Liniversity, Belagavi & Approved by A.J.C.T.E. New Defiti, antrodied by NAAC 'A' Grade Recognized by UGC

Hour Reat, Borrenanahalli, Bargalora-560000 Department of MCA

organizing

**"ONE DAY WORKSHOP ON INNOVATIVE DESIGN DEVELOPMENT IN MACHINE** 

#### LEARNING"

**Resource Person** 

Mr. Ramesh Chandra

Project Engineer at Wipro

IN ASSOCIATION WITH IIC. On Tuesday 14 May, 2024 9:30 AM onwards

**Chief Patron** Dr. SNVL Narasimha Raju President, Principal & President, IIC IIC Coordinator Director MBA & MCA
The Oxford Educational Institutions The Oxford College of Engineering The Oxford College of Engineering

Patron Dr. N KANNAN

**IIC Coordinator** Dr. Bindu Madhavi

Convenor Dr. Anitha Ramachander



The Department of MCA at The Oxford College of Engineering successfully organized a oneday workshop on "Innovative Design Development in the field of Machine Learning" was organized to explore cutting-edge methodologies, tools, and techniques in designing and developing machine learning solutions. The workshop aimed to foster collaboration among researchers, practitioners, and industry experts to drive innovation in this rapidly evolving domain. The event has been kick started with a formal Inaugural function, the following dignitaries were present and motivated the students.

- Dr. N Kannan, Principal, The Oxford College of Engineering
- Dr. Anitha Ramachander, Director MBA-MCA, The Oxford College of Engineering
- Dr. Bindu Madhavi , IIC Coordinator, The Oxford College of Engineering
- Mrs. Ramesh Chandra, Project Engineer at Wipro

### **Objective:**

The objective of an Innovative Design Development in Machine Learning workshop is to bring together experts, practitioners, and enthusiasts from diverse backgrounds to explore advanced methodologies, tools, and ethical considerations in machine learning. Through hands-on activities, collaborative discussions, and real-world case studies, the workshop aims to foster interdisciplinary collaboration, enhance practical skills in algorithm design and deployment, address ethical challenges such as bias mitigation and transparency, and promote a culture of innovation and creativity in developing human-centric machine learning solutions that positively impact society and industry.

Participants delved into advanced algorithms such as deep learning, reinforcement learning, and generative adversarial networks (GANs). Discussions centered on their applications, strengths, limitations, and recent advancements which help them in the field of Innovation.

The importance of innovation for designing interpretable machine learning models was emphasized, with sessions focusing on techniques like SHAP (SHapley Additive exPlanations) values, LIME (Local Interpretable Model-agnostic Explanations), and attention mechanisms.

Ensuring fairness and mitigating bias in machine learning models while developing innovative applications was a key theme. Workshops and case studies highlighted approaches for ethical AI, including fairness metrics, bias detection, and algorithmic transparency.

Participants explored the concept of human-centric design in machine learning, focusing on user experience, interface design, and human-AI interaction to create more intuitive and user-friendly ML applications.

### **Outcome:**

The workshop on Innovative Design Development in Machine Learning provided a platform for knowledge sharing, collaboration, and skill development in the rapidly evolving field of AI and machine learning. Participants gained valuable insights into advanced techniques, ethical considerations, and practical implementation strategies, paving the way for future innovations in this domain.

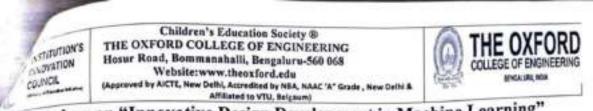
Total of 71 students and 24 Faculties have participated in this event

## Facebook Link:

https://www.facebook.com/photo/?fbid=465709825981066&set=a.177418398143545

## Video Link:

https://drive.google.com/file/d/1k4L3AweGO99KVT\_fhS6N\_yxNQKFu\_3TX/view?usp=sharing



Workshop on "Innovative Design Development in Machine Learning" on 14<sup>th</sup> May 2024

**Participation List Faculty** 

| I. No | Name of the Participant  | Signature       | Department                   |
|-------|--|-----------------|------------------------------|
|       | ASKOIC BP  | Bans            | MCA                          |
| 2     |  | 10              | MCA                          |
|       | Liza Naisu   | Con Contraction | MEA                          |
| 3     | JC Achutha c   | LA MA           | Met                          |
| 4     | pr. Appneynly  | - Will          | KeA                          |
| 5     | Mrs Sownya J   | -1dile          | CSE                          |
| 6     | Ms. Angel Donny  | - Just          | CSG                          |
| Ŧ     | M. Ramya st  |                 | A56                          |
| ۶     | channappe Gurodaon   | CEP             | mpa                          |
| ٩     | Dum luthim   | riwn            | and the second second second |
| 10    | Dr V Cakehmi Cureit  | A. Sahana       | MBA-                         |
| 11    | Dr. Sahana A   | H. Sanan Algo   | URA                          |
| 12    | Dr.K.T.R. Reddy  | por port.       | Eaz-                         |
| 13    | Layakin  | N. Efre         |                              |
| 14    | Dittishe C. Rami   | Nusi            | EEE                          |
| 15    |  | lh              | EEE                          |
|       | Kar hik . SL   | ale             | ISE                          |
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Department of MCA The Oxford College of Engineering

Hustin Road, BANGALORE -

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

Principal PRINCIPAL The Oxford College of Engineering Bommanshatil, Hosur Road Bengaluru-580 of 3.

INSTITUTION'S INNOVATION COUNCIL

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



## Department of MCA

Workshop on "Innovative Design Development in Machine Learning" DATE: 14/5/2024 VENUE: MCA Seminar Hall

|        |                         | ticipation List |            |
|--------|-------------------------|-----------------|------------|
| SI. No | Name of the Participant | Signature       | Department |
| 1      | Karuna.S.H              | BHosamoni       | MCA        |
| 2.     | Gauthan G.R             | Garlanber.      | HCA        |
| З.     | Hemalatha.c             | Hema            | MLA        |
| L      | chandrika. CN           | chandertha. CN  | MCA        |
| 5.     | Arathi BG               | Act             | MCA        |
| 6.     | Kavya.M                 | Kavya M         | MLA        |
| 7.     | Karya.T                 | dos.            | MCA        |
| 8.     | Asha                    | Bury            | MCA        |
| 9      | Anjali. A. P            | A.              | MLA.       |
| 10.    | Bhavanaith              | - At            | MEA        |
| 11     | Pavan Kumar C.S         | Auto-           | MCA        |
| 12     | Akelvary Surana 84      | theo            | mcA        |
| 13     | Inaneth Reddy           | Gnayhe any      | MCA        |
| 14.    | Shreeder: JK            | Buckarni        | CSE        |
| 15-    | Kartwik BN              | fun             | CSE        |
| 16     | Sindhu K                | Singhu          | CSE        |
| 17     | Rakshita                | DB .            | CSE        |
| 18     | Shambhavi. v.p          | Shane           | CSE        |
| 19     | Scurama. k.n.           | D.              | 520        |
| 20     | Manesa N                | manaber         | CSE        |

| P   | 0                                   | Ronal      | ESE   |
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| 211 | Pranav                              | thaton     | CSE   |
| 22. | Chandran N                          | Al         | CSE   |
| .3. | SUMENTH.M                           | Sumanthin  | ECE   |
| 34. |                                     | Se         | ECE   |
| 25  | Kiran                               | sharan     | ECE   |
| 26  | sharanabasappa<br>M.c. Mobehanacola | wore the.  | ECE   |
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| 38  |                                     | Persone    | ECE   |
| 29  | Rohan shelke                        | Quitte     | ECE   |
| 30  | Vijeth.M                            |            | ECE   |
| 31  | chand an Kimas X.8                  | 10-        | ISE   |
| 32  | Kowshalk.R                          | 1998       | ISE   |
| 33. |                                     | MAL        | ISE   |
| 34  | Anish, Kalgutkar                    | Vestuil    | ISE   |
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| 36  | Veunda.L.S                          | OT.        | ISE   |
| 27  | Syothika. A.R.                      | T          | ISE   |
| 38  | preajwal.T                          | the for    | ISE   |
| 29  | Sheetal.R                           | Alchorgaly | ISE   |
| 40  | Abhisher, c                         | famil      | ISE   |
| 41  | Anwidh N                            | Aprohan    | MCA   |
| 42  | Abusciid Pathan                     | SUED (0'   | MLA   |
| 43  | Viejeay Sagar.                      | - Mar      | MCA   |
| 44  |                                     | Mu -       | MLA   |
| 45  | Keshavan.K                          | tern the   | MLA   |
| 46  | Abhilash. chetty                    | Bhetty     | 1.041 |

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