

REPORT ON 2 Days Workshop on Biosensor designing using various Photonic Tools

**May 30-31, 2023**

**At**

**Department of Electronics and Communication Engineering**

2 Days Workshop on Biosensor designing using various Photonic Tools was organized at the Department of Electronics & Communication Engineering, The Oxford College of Engineering Bangalore from May 30, 2023 to May 31, 2023 in association with IEEE Bangalore Session, IEEE Photonic Society, EMBS Society and Prakash Bharati as the academic partner. The main objective of this program is to make the participants aware of various Biosensors design using various photonic tools like RSoft, MEEP and Opti so that the students can update gain knowledge in designing Biosensors and explore for further research. It was also expected that as the participants are all students of different educational institutions, the knowledge gained will be shared and further passed on to the students. The FDP was attended by 150 participants from students of Electronics and Communication Engineering and Biotechnology from The Oxford College of Engineering and also from other colleges.

Ms. Bhoomika from 6<sup>th</sup> SEM ECE hosted the inauguration programme began with a Welcome speech by Mr. Ummed Ram from 4<sup>th</sup> SEM ECE welcomed all the respected dignitaries and participants. Hon. Principal Dr. N Kannan shared his inaugural speech about the workshop. Sir has shared his views with the student participants to learn, develop and design the biosensors would enhance their skills and concepts practically. Dr. Preeta Sharan, Dean of Resarch and IEEE Counsellor, and Co-Convener, emphasized the benefits of IEEE and explained the importance of workshop. The introduction to the Chief guest was given by Ms. Bjoomoka from 6<sup>th</sup> SEM ECE student.

On Day 1 the keynote address was delivered by **Dr. Navin Kumar**, Chairperson and Professor at the Department of Electronics and Communication, School of Engineering, Amrita Vishwa Vidyapeetham, Bengaluru. In his talk he spoke about the topic Getting engaged with IEEE.



The next technical session was conducted by **Mr. Amrutraj**, Founder, NikkiBuild EdTech Pvt Ltd, Bangalore. He spoke on the topic The power of the next generation in solving challenges and the participants learnt about the working and use of various projects.



Followed by the Technical talk and Hands-on session by **Mrs. Suchandana Mishra** about the topic Optical sensor design using MEEP. The students are very interested in hands-on session. They installed the software and designed the various biosensors by using MEEP tool.



On Day 2 Session 1 was conducted by Mr. Anup M Upadhyaya, Asst. Professor, Department of Mechanical Engineering. He spoke on the Opto Mechanical sensor design using Opti and Meep tool. The participants learnt about the different biosensor design. Session 2 was conducted by Mr. Anup M Upadhyaya, Asst. Professor, Department of Mechanical Engineering, and taught about the installation of the software for designing various biosensors by using MEEP tool.



The Workshop was concluded by the valedictory function conducted on Day 2 afternoon 3.30pm. The session started with the welcome speech of Dr. A. Chrispin Jiji, Associate Professor, Department of ECE. She gave a warm welcome to the gatherings and to the dignitaries. The overview of the Workshop was delivered by Dr. A. Chrispin Jiji, workshop coordinator, ECE Dept. The Principal Dr. N Kannan appreciated the effort of the organizing team in managing the workshop so well. Few Speakers and participants shared their wonderful experience. The valedictory function ended by the Vote of Thanks by Mr. Ummed Ram, 4<sup>th</sup> SEM ECE student.

### **OUTCOME:**

All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants were enlightened by learning various Biosensors and gained practical knowledge in Hands-on session in this domain. On the whole the workshop received a lot of positive feedback from participants and it paved the way for participants to implement their Ideas for research.

## TWO DAYS “HANDS ON WORKSHOP ON SPLICING TECHNIQUES” ON 14<sup>th</sup> and 15<sup>th</sup> June 2023.

The poster is a blue rectangular graphic with white and red text. At the top left are two circular logos: one of The Oxford College of Engineering and another of the IEEE Student Branch. At the top right are logos for IEEE Photonics Society and IEEE. The central text reads: 'Children's Education Society THE OXFORD COLLEGE OF ENGINEERING. Recognised by the Govt of Karnataka, Affiliated to Visveshwaraaya Technological University Belagavi & Approved by A.I.C.T.E New Delhi, Accredited by NAAC & NBA New Delhi Recognised by UGC. IEEE STUDENT BRANCH IN ASSOCIATION WITH DEPT OF ELECTRONICS & COMMUNICATION organising Hands on workshop splicing Techniques'. Below this, it states 'ON 14TH AND 15TH JUNE 2023 AT 10 AM. VENUE: R&D LAB ECE DEPT'. The poster lists several key personnel: DR. FREETA SHARAN (Prof & Dean Research, IEEE Branch Counsellor), DR. MANJU DEVI (Prof & HOD, ECE), DR. H.N. GAYATHRI (Professor, TOCE, Bangalore), DR. RAKESH (Resource Person, Edulife India Pvt Ltd, Bangalore), SRI S N V L NARASIMHA RAJU (President, The Oxford Education Institutes), and DR. N KANNAN (Principal, The Oxford College of Engineering).

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IEEE STUDENT BRANCH IN ASSOCIATION WITH DEPT OF ELECTRONICS &  
COMMUNICATION  
organising  
**Hands on workshop splicing Techniques**

ON 14TH AND 15TH JUNE 2023  
AT 10 AM  
VENUE: R&D LAB ECE DEPT

DR. FREETA SHARAN  
PROF & DEAN RESEARCH  
IEEE BRANCH COUNSELLOR

DR. MANJU DEVI  
PROF & HOD, ECE

DR. H.N. GAYATHRI  
PROFESSOR  
TOCE, BANGALORE

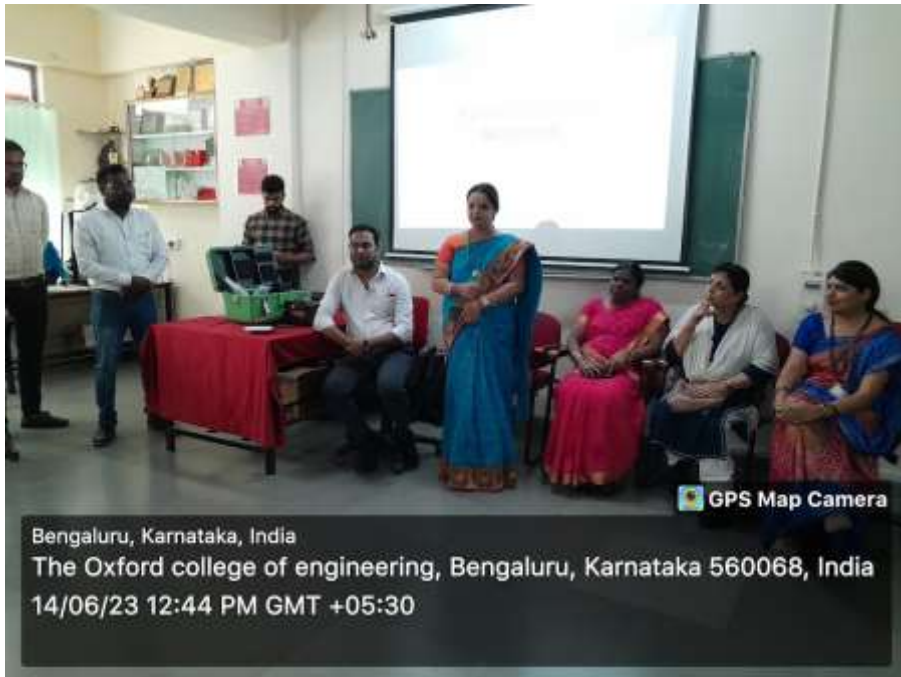
RESOURCE PERSON  
DR RAKESH  
EDULIFE INDIA PVT LTD, BANGALORE

CHIEF PATRON  
SRI S N V L NARASIMHA RAJU  
PRESIDENT  
THE OXFORD EDUCATION  
INSTITUTES

DR. N KANNAN  
PRINCIPAL  
THE OXFORD COLLEGE OF ENGINEERING

Resource person DR.RAKESH, EDULIFE PVT LTD,BANGALORE.

The Department of ECE sponsored a two-day hands-on workshop on the splicing machine and the optical time domain reflectometer (OTDR) on June 14, 2023, and June 15, 2023. The primary goal of this session was to provide the students hands-on experience with fibre, which would help them comprehend how optical fibre functions and how to operate a splicing machine.





## Expert talk on “Immense Opportunities in Entrepreneurship and Start up Program”

Children's Education Society(Regd.)  
**IEEE** BANGALORE SECTION  
The Oxford College of Engineering  
100ft Road, Bommanahalli, Bengaluru - 560068, OBO-30219601/02, Fax-080-25730551, 30219629  
(Approved by AICTE, Accredited by NAAC B NBA, New Delhi & Affiliated to VTU, Belagavi)

INSTITUTION'S INNOVATION COUNCIL

Department of ECE  
In Association with IEEE & IIC Organizing a Expert Talk on

**Immense Opportunities in Entrepreneurship and Start Up Program**

**Resource Person**  
**Mr Naini Tej**  
Senior Analyst  
Speciale Invest

**Date & Time**  
28.02.2023 (Tuesday)  
VENUE: 5<sup>th</sup> Floor Seminar Hall  
11:00 AM- 01:00 PM

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

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

**Convener**  
Dr. Manju Devi  
HOD ECE  
The Oxford College of Engineering

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

**Faculty Coordinator**  
Dr B. Sriatha,  
Associate Professor,  
Ms. Suchandana Mishra,  
Assistant Professor  
The Oxford College of Engineering

**IIC Convener**  
Dr Bindhu Madhavi  
IIC Convener  
The Oxford College of Engineering

### Objectives of the Event:

- To familiarize the information regarding the Successful Entrepreneur/Start-up founder to derive the solution.
- To make the students understand everything about identifying the needs of customers, innovation, SSIP grant, Design engineering concept in collaboration with the team members.
- To motivate and educate the participants about the Entrepreneur/Start-up of deriving the innovative ideas.
- To educate the students about need of motivate for take grant from IIC, and SSIP cell in the current situation.

The resource persons started the presentation with the detailed about the Entrepreneur/Start-up of deriving the innovative ideas. He explained that the innovation means developing a new idea in coloration with the team members, identifying the need of customer. He further added that the sincere observation always helps in identifying the problems in the society. Students were trained by giving some coding exercises, frequently asked in technical rounds. He tells us about his journey from the beginning to become successful entrepreneur. He tells us about how they beginning and reach up to pioneer level. In his journey what type of difficulties he was facing and how they start their business and become successful. The session was great and motivates the students.

Around 42 students of all the department along with 9 faculty members attended the session. The session was very useful and encouraging for the students.







### **Outcomes of the Event:**

The Participants are able to

- Familiarize the information regarding the Successful Entrepreneur/Start-up founder to derive the solution.
- Understand everything about identifying the needs of customers, innovation, SSIP grant, Design engineering concept in collaboration with the team members.
- Motivated and educated the participants about the Entrepreneur/Start-up of deriving the innovative ideas.
- Educated the students about need of motivate for take grant from IIC, and SSIP cell in the current situation.

## Seminar on “AWARENESS ON I-STEM”

Children's Education Society  
THE OXFORD COLLEGE OF ENGINEERING, BANGALORE -560 068  
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IEEE STUDENT BRANCH IN ASSOCIATION WITH IIC  
ORGANIZING SEMINAR ON  
**AWARENESS ON I-STEM**  
Indian Science Technology and Engineering facilities Map  
RESOURCE PERSON

**CHIEF PATRON**  
SHRI S.N.V.L. NARASIMHA RAJU  
CHAIRMAN  
THE OXFORD GROUP OF INSTITUTIONS  
BANGALORE

**PATRON**  
DR. N. KANNAN  
PRINCIPAL  
THE OXFORD COLLEGE OF  
ENGINEERING  
BANGALORE

**CONVENER**  
Dr. PREETA SHARAN  
DEAN R&D, IEEE STUDENT BRANCH  
COUNSELLOR

**CO-CONVENER**  
Dr. MANJU DEVI  
PROFESSOR & HOD ECE

**IEEE STUDENT BRANCH CO-ORDINATOR**  
DR. H.N. GAYATHRI

Dr. SANJEEV KUMAR SHRIVASTAVA  
NATIONAL CO-ORDINATOR I-STEM  
INDIAN INSTITUTE OF SCIENCE  
BANGALORE  
VENUE : 5<sup>TH</sup> FLOOR SEMINAR HALL  
Date: 27/01/23 TIME: 2:00 PM





**Objective:**

The main objective of the seminar is to motivate and guide the students to take up their career in Telecom Industry and become an young entrepreneur. To encourage faculty members to enroll in this training program to share knowledge with the upcoming students and utilize it for their projects

**WORKSHOP ON “ROBO FLAGSHIP PRODUCT DEVELOPMENT FOR BETTER INNOVATION OPPURTUNITIES”**



Children's Education Society  
 THE OXFORD COLLEGE OF ENGINEERING  
 BANGALORE -560 068

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

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

Workshop on ROBO Flagship Product Development for Better Innovation Opportunities  
 HOLOWORLD

# ROBO YATRA

**WORKSHOP ON**

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

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National Startup Award winner 2020 - Education sector

**Resource Person**

**Dr. Thotringam Kasar**  
 Chief Research Officer  
 HoloWorld.

**Sujay S K**  
 Sales & Marketing Personnel  
 HoloWorld

**Madan G**  
 Robotics Engineer/Trainer  
 HoloWorld

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

**SHRI SNVL  
 NARASIMHA RAJU**  
 CHIEF PATRON  
 THE OXFORD  
 EDUCATIONAL  
 INSTITUTIONS

**Dr. N.KANNAN**  
 PRINCIPAL  
 THE OXFORD  
 COLLEGE OF  
 ENGINEERING

**Dr. PREETA SHARAN**  
 DEAN RESEARCH AND  
 DEVELOPMENT THE  
 OXFORD COLLEGE OF  
 ENGINEERING

**Dr. MANJULA C**  
 ASSOCIATE  
 PROFESSOR  
 MECHATRONICS  
 ENGINEERING

**Mr. JAIDEEP R**  
 ASSISTANT  
 PROFESSOR  
 MECHATRONICS  
 ENGINEERING

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

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

### **OBJECTIVES:**

The main objective of the workshop is to create Better Innovation Opportunities in the field of Robo Flagship Product Development. Robotics is the intersection of Science, Engineering and Technology that produces machines, called robots that replicate or substitute for human actions.

Each Innovative robot has a different level of autonomy. These levels range from human controlled bots that carry out tasks to fully-autonomous bots that perform Innovative tasks without any external influences. A flagship robo product is the Innovative product that a Robotics company is most well-known for. A flagship product usually makes the most Innovation and often draws in the most revenue for a company. A flagship product can be used as a starting point to create other Innovative products.

### **Day 1:**

The session started with the introduction to Robotics. He clearly explained how Robotics deals with the field of design, construction, sensory feedback and information processing. Then he discussed how robots are designed to be used for Agricultural, Domestic, Household and sensitive environments like bomb detection, deactivation of various bombs etc for better Innovation. The team demonstrated the session using two robots, one has given the human appearance and another one is touch sensitive robot. The robot which has taken the form of human appearance is having the walk like humans, speech, cognition and most importantly all the things a human can do. The session ended with making the robot to run, dance and do push ups. Then so many students had a conversation with robot and felt the innovative experience. Then the team demonstrated how touch sensitive robots work. Again few students went and they had experienced how it is sensing the object and based on that how it is moving in all the directions across the floor.

### **Day 2:**

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

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

optimizes warehouse operations, transportation, last mile delivery and enhanced value-added services. Around 40 students and 5 faculty members are participated in the seminar.

**OUTCOMES:**

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



**SEMINAR ON**  
**GRASP IEEE EXPLORER**



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**The Oxford College of Engineering**  
 Hosur Road, Bommanahalli, Bengaluru - 560058, 080-38219601/02, Fax: 080-25730551, 38219629  
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**IEEE &**  
**Department of ECE and AI ML**  
**In Association with IIC Organizing a Seminar on**

**GRASP IEEE EXPLORE**

**Resource Person**  
**M S Srinivasa**  
 Training manager for South states (Karnataka & Telangana) from EBSCO Information Services India Pvt Ltd (IEEE official training partner in India).



**Date & Time**  
**07.02.2023 (Tuesday)**  
**VENUE: SPDP LAB**  
**11:00 AM- 01:00 PM**

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

**IIC Convenor**  
**Dr Bindhu Madhavi**  
 HOD AI ML  
 The Oxford college of  
 Engineering

**Convenor**  
**Dr. Manju Devi**  
**Dr Bindhu Madhavi**  
 HOD / ECE, AI ML  
 The Oxford college of  
 Engineering

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

**Principal & President IIC**  
**Dr. N.Kannan**  
 PRINCIPAL  
 The Oxford college of  
 Engineering

Seminar was held on February 7<sup>th</sup> 2023 at 11:00 A.M .The resource person was Mr.M.S.srinivas who is the training manager for south sales (Karnataka & Telengana) from EBSCO information services pvt. India limited (IEEE official training partner in India).

SIR gave insight about the IEEE explorer benefits. By publishing with IEEE, you get the global prestige and speed of publication that high-quality research deserves.

He explained about the following information

**Global Prestige:** The [IEEE Xplore® Digital Library](#) offers visibility and discoverability for your research. Once accepted for publication, your IEEE article will be published on IEEE Xplore. The premier source for technical content, IEEE Xplore has over 5 million documents and provides over 8 million downloads each month. IEEE is also the most cited publisher in US and European new technology patents—with over 3x more than any other publisher.

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As an author, your mission is to publish your research in a high-quality publication to advance your scientific field. IEEE has a similar mission: to publish high-quality research that advances technology for the benefit of humanity.

As a not-for-profit organization, IEEE is focused on people. That means IEEE stands out from other scientific publishers in many ways, for example:

- IEEE fuels passion for STEM (Science, Technology, Engineering, and Mathematics) in students of all ages through pre-college programs and student membership around the world.
  - [IEEE Women in Engineering](#) facilitates the recruitment and retention of women in technical disciplines globally.
  - The [IEEE Foundation](#) supports philanthropic endeavors worldwide.
- Publish with IEEE and join us in inspiring engineering solutions that make the world a better place.

**OBJECTIVE:** Objective is for inspiring engineering solutions that make the world a better place.

**OUT COME:** Students & faculties got motivated by the information about [IEEE Xplore® Digital Library](#)

**NO. OF PARTICIPANTS:** 44 members attended

## WEBINAR ON

### “SCHOOL TO STRTUPS LIGHTENING YOUNG MINDS”

Children's Education Society(Regd.)  
**The Oxford College of Engineering**  
Hosur Road, Bommanahalli, Bengaluru - 560068, 080-30219601/02, Fax-080-25730551, 30219629  
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**Institution's Innovation Council**  
In Association with IEEE  
celebrates  
**National Technology Day 2023**  
**"School to Startups Lightening Young Minds"**

**Resource Person**  
**Dr Preeta Sharan**  
Dean-Research  
TOCE, Bangalore

**Date & Time**  
11.05.2023 (Thursday)  
Online  
<https://bit.ly/453n5b1>  
02:00 PM- 03:00 PM

<b>Chief Patron</b> <b>Shri. S.N.V.L Narasimha Raju</b> CHAIRMAN The Oxford Educational Institutions, Bangalore	<b>Patron</b> <b>Dr. N.Kannan</b> PRINCIPAL & President IIC The Oxford College of Engineering	<b>Convenor</b> <b>Dr. Manju Devi</b> HOD ECE The Oxford College of Engineering	<b>IEEE Convener</b> <b>Dr. Preeta Sharan</b> DEAN RESEARCH The Oxford College of Engineering <b>Dr. Gayathri H N</b> IEEE Co-ordinator	<b>Faculty Coordinator</b> <b>Dr B. Sriatha,</b> Associate Professor, The Oxford College of Engineering	<b>IIC Convener</b> <b>Dr Bindhu Madhavi</b> IIC Convener The Oxford College of Engineering
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On the eve of National technology day 2023, Webinar was arranged on 11th May 2023 by Dr Preeta Sharan, Dean Research, TOCE under IEEE student branch in association with IIC Council TOCE .

Students attending this program got motivated as this talk was based on the school children's and onwards. It was very beneficial for the young mind.

During her talk she narrated about technology evaluation from 1999to 2023.

She has displayed all the innovations and inventions done in R&D centre during her presentation. She talked about how the invention is related to the doctor and patient directly.

All the innovations are useful for mankind and humanity.in QA session many students have asked many questions related to startups. The programme was ended with vote of thanks by

Dr. Bindu Madhavi IIC Convener.

**OBJECTIVE:** Objective is to encourage the engineering students to become entrepreneurs and to start their own companies.

**OUT COME:** Students got motivated and they contact investors and looking for funding.

**NO. OF PARTICIPANTS:** 78 members attended (20 faculties & 58 students)

## TWO DAYS “HANDS ON WORKSHOP ON SPLICING TECHNIQUES” ON 14<sup>th</sup> and 15<sup>th</sup> June 2023.



Resource person DR.RAKESH, EDULIFE PVT LTD,BANGALORE.

The Department of ECE sponsored a two-day hands-on workshop on the splicing machine and the optical time domain reflectometer (OTDR) on June 14, 2023, and June 15, 2023. The primary goal of this session was to provide the students hands-on experience with fibre, which would help them comprehend how optical fibre functions and how to operate a splicing machine.



### Workshop on Data Analytics

**Organized by:** Department Of Information Science and Engineering

**Conducted by:** Learning Links Foundation (LLF)

**Duration of the course:** 14 days(9.00AM-11.00AM)- 23/6/2023 and 17/7/2023

**Trainers Name:** **Mr. Jyothi Ram**, Principal Consultant, LLF and **Mr. Yathish S**, Lead Consultant, LLF.

Venue for Theory and Practical Sessions: - MCA - The Oxford college of Engineering

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**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING**  
**IN ASSOCIATION WITH**  
**IEEE PHOTONICS AND IEEE WOMEN IN ENGINEERING**  
**ORGANIZES**  
**ADD ON COURSE ON DATA ANALYTICS**

**From 23-06-2023 to 06-07-2023**  
**Timings: 9.00AM-11.00AM**  
**Venue: 6th floor MCA LAB**

Chief Patron	Patron	Convener	Faculty co-ordinators	IIC Convener
Sri.S.N.V.L.Narasimha Raju President, The Oxford Group of Institutions	Dr N Kannan Principal, TOCE	Dr R Kanagavalli Professor & HOD, ISE	Ms Visalini Asst. Prof/ISE Ms Indu K S Asst. Prof/ISE	Dr. Bindhu Madhavi Professor & HoD/AI&ML Activ

### Poster for Workshop

## COURSE OVERVIEW

The Oxford college of Engineering has organized 14 days workshop on Data Analytics for Second and third year female students of ISE, AIML, CSE, ECE, BT and MCA and was conducted by **Learning Links Foundation**, from **23/06/2023 to 17/07/2023** under “**Women’s in Data**” program a collaboration effort of LLF and DELL Technologies. A total of 77 students enrolled for this program. Total duration of the course was 28 hrs.

## OBJECTIVE:

This workshop aim to encourage women to build their interest, knowledge and expertise in high demanding STEM career field, enhance their job readiness skill and provide them an opportunity to increase their employability in the technology work force.

All the theory classes and lab practices were held at MCA Lab, The Oxford College of Engineering from 9.00 am to 11.00 am dated from **23/06/2023 and 17/07/2023**(14 days).

The trainers Mr. **Jyothi Ram** and Mr. **Yathish S** explained the concepts of Data Analytics to all students along with how to use Power BI, General Applications of Python and

Excel. The trainer taught basic concepts of Excel like Data tools, Date and time functions, Advance filter and vlookup and hlookup. The trainer also taught standard data types , Python libraries and how to do Data Analytics using python to all students.

After each training session hospitality was provided to the trainers.

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

**Outcomes:**

1.By doing this workshop the students got an understanding of Data Analytics in integrated environment.

2.The trainer has given the Udemy activation link and asked the students to complete the following courses:

1. Microsoft Excel 2020-23-from beginners to expert in 6 hours
2. Power BI master classes from scratch-in 90 minutes or Power BI master class dashboard and Power BI Service 5.5 hours.

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



GPS Map Camera  
 Bengaluru, Karnataka, India  
 The Oxford College Of Engineering, Bommanahalli, Bengaluru, Karnataka 560068, India  
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 Long 77.631967°  
 30/06/23 09:36 AM GMT +05:30



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 The Oxford College Of Engineering, Bommanahalli, Bengaluru, Karnataka 560068, India  
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 Long 77.631967°  
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 Long 77.631967°  
 30/06/23 09:35 AM GMT +05:30





Mr. Jyothi Ram and Mr. Yathish explaining the Data Analytics of the workshop conducted.

# WORKSHOP ON “ENTREPRENEURSHIP OPPORTUNITIES

## THROUGH SAP”



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VTU, Belagavi-590 018)



Department of Computer Science and Engineering  
in Association with IIC and IEEE

### Organizing a WORKSHOP on

“Entrepreneurship opportunities  
through SAP”

21/7/2023  
10:00 AM ONWARDS

Venue: 3<sup>rd</sup> Floor CSE Seminar hall.

Chief Patron

Sri S.N.V.I Narasimha Raju

President

The Oxford Educational Institutions

Patron

Dr. N. Kannan

Principal & President IIC

The Oxford College of Engineering

IIC Convener

Dr. Bindhu Madhavi

The Oxford College of Engineering

Convener

Dr. R CH A Naidu

Professor & HOD, CSE

IIC Innovation Ambassadors/CSE

Dr.E Saravana Kumar, Prof. Sathya M

IEEE CO-ORDINATOR

Prof. Asha Kumari A

Resource Person

Mr. Shyamasundar G C

Project Manager,

ATOS India Private Limited,  
Bangalore.



The Oxford college of Engineering, Bangalore - Computer Science and Engineering in association with Institution Innovation Council and IEEE organized a workshop on **“Entrepreneurship opportunities through SAP”** on 21<sup>st</sup> July 2023 from 10:00 AM to 4.00 PM by Mr. Shyamasundar G C, Project Manager, ATOS Private Limited, Bengaluru, India. Mr. Shyamasundar G .C has an overall 19 years of IT experience in IT SERVICES INDUSTRY with SAP TECHNOLOGY both in India and Europe and he has Proven Track Record for Customer Successes, and he is hands on with Consultation, Pre-Sales, Services & Support, Greenfield and Brownfield Implementations, Solution Architecture, Stakeholder Management, Public Cloud, Lifecycle Management – Upgrades, Migrations. During all these years he has excelled in Various Capacity as a Technical Lead, Project Manager, Senior Consultant in various Companies like Accenture, HP, IBM and Wipro.

Currently he is working as a Project Manager in Atos and helping his Customer who is a Large Manufacturing Company (North Europe) to run the Business Operations efficiently by ensuring the underlying IT Systems (SAP Landscape) are performing at their best.

- He is a MCA graduate from M.S.Ramaiah Institute of Technology, Bangalore.
- His CERTIFICATIONS & TRAININGS:
- SAP Certified Technology Associate – OS/DB Migration for SAP NetWeaver 7.52
- MICROSOFT AZ-900: AZURE FUNDAMENTALS
- AWS Cloud Practitioner Essentials
- AWS Technical Essentials
- AWS Partner: SAP on AWS (Technical)

## **WORKSHOP ON “ENTREPRENEURSHIP OPPORTUNITIES THROUGH CYBER SECURITY”**

Children's Education Society®  
THE OXFORD COLLEGE OF ENGINEERING, BANGALORE -560 068  
(Approved by AICTE, New Delhi, Accredited by NBA, NAAC 'A' GRADE & Affiliated to VTU, Belagavi-590 018)

Department of Computer Science and Engineering  
in Association with IIC and IEEE

Organizing a  
**WORKSHOP on**  
“Entrepreneurship opportunities  
through **CYBER SECURITY**”  
25/7/2023  
10:00 AM ONWARDS

Venue: 3<sup>rd</sup> Floor CSE Seminar hall.

Resource Person  
**Mr. Vivek Singh,**  
Senior Security Engineer,  
Qualitrix Technologies,  
Bangalore.

Convener  
**Dr. R CH A Naidu**  
Professor & HOD, CSE  
IIC Innovation Ambassadors/CSE  
**Dr.E Saravana Kumar, Prof. Sathya M**

IEEE CO-ORDINATOR  
Prof. Asha Kumari A

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

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

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

The Oxford college of Engineering, Bangalore - Computer Science and Engineering in association with Institution Innovation Council and IEEE organized a workshop **“ENTREPRENEURSHIP OPPORTUNITIES THROUGH CYBER SECURITY”** on 25th

July 2023 from 10:00 AM to 4.30 PM by Mr. Vivek Singh. He is working as a Senior Security Engineer in Qualitrix Technologies, Bangalore.

5 years of IT experience in IT SERVICES INDUSTRY with Cyber Security and he is hands on with Consultation, Pre-Sales, Services & Support, Stakeholder Management, Public Cloud, Lifecycle Management. During all these years he has excelled in Various Capacity and Senior Consultant in various Companies like Accenture, HP, IBM and Wipro.

His CERTIFICATIONS & TRAININGS:

- CompTIA Security+: A foundational certification that covers essential cybersecurity concepts, risk management, network security, and more.
- Certified Ethical Hacker (CEH): Focuses on ethical hacking techniques

and tools used to identify and address security vulnerabilities.

- CompTIA Cybersecurity Analyst (CySA+): Focuses on the application of behavioral analytics to enhance an organization's overall security posture.
- Offensive Security Certified Professional (OSCP): An advanced certification for penetration testers and ethical hackers, emphasizing practical skills and real-world challenges.
- Certified Cloud Security Specialist (CCSS): Specialized certification for cloud security professionals covering various cloud platforms and technologies.

### **OBJECTIVE:**

The main objective of the workshop is to workshop is not just about acquiring knowledge; it's about building meaningful connections with fellow participants.

- The objective of a cyber-security workshop is to provide participants with valuable knowledge, skills, and hands-on experience related to various aspects of cyber security.
- Educate individuals on how to protect computer systems, networks, and data from security threats, as well as how to respond effectively to security incidents.
- Introduce participants to the fundamental concepts of cyber security, including principles of information security, cryptography, access controls, and secure network architecture.

It encourages everyone to actively engage with one another, share the unique insights, and be open to learning from one another. The resource person explained about the key elements of cyber security and its applications.

1. Information Security: Ensuring the confidentiality, integrity, and availability of information is at the core of cyber security.
2. Network Security: Focuses on protecting computer networks from unauthorized access, data breaches, and other malicious activities.
3. Endpoint Security: Protecting individual devices (endpoints) such as computers, smartphones, and tablets from security threats.
4. Identity and Access Management (IAM): Controls access to resources based on user identities and their roles.

5. Threat Intelligence: Gathering information about potential and existing cyber security threats to understand and mitigate risks effectively.



## IEEE DAY CELEBRATION ON 10/10/2023



The poster for IEEE Day 2023 at The Oxford College of Engineering features the IEEE logo, the college's name, and contact information. It lists the Chief Patron, Convener, Co-Convener, Patron, IEEE Student Branch Counsellor, and IEEE Student Branch Coordinator. The event is organized by the IEEE Student Branch in association with the Department of Electronics and Communication Engg & Department of Biotechnology. The date is 10.10.2023, from 10:30 AM to 11:30 AM, at the 5th floor seminar hall. A central image shows a group of people holding a large 'IEEE DAY' sign.

Children's Education Society (Regd.)  
**The Oxford College of Engineering**  
Florur Road, Dommanahalli, Bengaluru - 560028, 080-3629 9011 Ext: 080-2576271, 3629 9029  
(Approved by AICTE, Accredited by NAAC & NBA, New Delhi & Affiliated to VTU, Davangere)

IEEE Student Branch in association with Department of Electronics and communication Engg & Department of Biotechnology  
Organizing IEEE Day 2023

**Chief Patron**  
Sri S.N.V.L. Narasimha Raju  
Chairman  
The Oxford Group of Institutions  
Bengaluru

**Convener**  
Dr. B.K. MANJUNATH  
Prof & HOD / EIT  
The Oxford College of Engineering

**Co-Convener**  
Dr. MANJU DEVI  
Prof & HOD / ECE  
The Oxford College of Engineering

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

**IEEE Student Branch Counsellor**  
Dr. Praeta Sharan  
Dean R&D  
The Oxford College of Engineering

**IEEE Student Branch Coordinator**  
Dr. H N Gayathri  
Professor  
The Oxford College of Engineering

**Date: 10.10.2023**  
**Time: 10:30 AM - 11:30 AM**  
**Venue :5<sup>th</sup> floor seminar Hall**

Dr. (Inv) Prof Vishal U. S Rao  
Head Neck Oncologist -Robotic Surgeon, TEDx Speaker  
Consultative group to PSA to PM, Govt. of India.

The Oxford college of Engineering, Bengaluru- IEEE Student Branch in association with Department of Electronics and communication Engg and department of Biotechnology in Organized IEEE DAY celebration and the chief guest

Dr. (Inv) Prof Vishal U.S Rao , Head Neck Oncologist -Robotic Surgeon, TEDx Speaker

Consultative group to PSA to PM, Govt. of India on 10<sup>th</sup> October 2023 from 10:30 AM to 12:30 AM through offline mode. Dr. Dr. (Inv) Prof Vishal U.S Rao explained about the innovation and design thinking ,patenting.he explained about various new technology in operating the oncology patients.

**OBJECTIVE:** Objective is to encourage the engineering students to learn about new ideas for

**OUT COME:** Students got motivated and they contact investors and looking for funding.

**NO. OF PARTICIPANTS:** 44 members attended





## SEMINAR ON

### Diversity, Inclusion and Accessibility

The poster is for a seminar titled "Safecity App" focusing on Diversity, Inclusion and Accessibility. It is organized by The Oxford College of Engineering, Department of ECE, in association with IIC & IEEE. The resource person is Monika Rajashekar, Programme Outreach Officer, Karnataka Red Dot Foundation. The event is on 20.10.2023 (Friday) at 5th Floor Seminar Hall, 9 AM - 1 PM. The poster lists several organizers: Chief Patron Dr. S.N.V.L. Narasimha Raju, Principal Dr. N.Kannan, Convenor Dr. Manju Devi, IEEE Branch Councillor Dr. Preeta Sharan and Dr. Gayathri H N, and Faculty Coordinator Iffat Fatima and Srichandana Mishra.

Children's Education Society(Regd.)  
The Oxford College of Engineering  
Postur Road, Bommanahalli, Bengaluru - 560068, 080-30219601/02, Fax-080-25730551, 30219629  
(Approved by AICTE, Accredited by NAAC B HBA, New Delhi & Affiliated to VTU, Belagavi)

Department Of ECE  
In Association with IIC & IEEE  
Presents Workshop on  
"Safecity App"  
Diversity, Inclusion and Accessibility"

**Resource Person**  
**Monika Rajashekar**  
Programme Outreach Officer, Karnataka  
Red Dot Foundation

**Date & Time**  
20.10.2023 (Friday)  
VENUE: 5<sup>th</sup> Floor Seminar Hall  
9 AM- 1 PM

**Chief Patron**  
Dr. S.N.V.L. Narasimha Raju  
CHAIRMAN  
The Oxford Educational  
Institutions,  
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 Councillor**  
Dr. Preeta Sharan  
DEAN RESEARCH  
The Oxford College of  
Engineering  
Dr. Gayathri H N  
IEEE Co-ordinator

**Faculty Coordinator**  
Iffat Fatima,  
Assistant Professor  
Srichandana Mishra,  
Assistant Professor

- Resource person  
Monika rajshekar  
programme outreach officer ,karnataka  
red dot foundation Bengaluru
- Co-sponsored by The oxford college of engineering

During this talk She talked about how to protect the female from the safe city in the platform. That empower the create the safest spaces

Disabled users data to underrate the platform to of violence. And about any policy reform

## SEMINAR ON

### “Innovate to Elevate : A pathway to Entrepreneurship”

Children's Education Society(Regd.)  
**IEEE** The Oxford College of Engineering  
Bangalore Section  
Hosur Road, Bommanahalli, Bengaluru - 560068, 080-30219601/02, Fax-080-25730551, 30219629  
(Approved by AICTE, Accredited by NAAC & NBA, New Delhi & Affiliated to VTU, Belagavi)

INSTITUTION'S INNOVATION COUNCIL

Department Of ECE  
In Association with IEEE  
Presents Expert Talk on

**“Innovate to Elevate: A Pathway to Entrepreneurship”**

**Resource Person**  
**Dr. Ravishankar Bhat**  
Chief Operating Officer & Co founder  
BRICS LLP, Bangalore

**Date & Time**  
17.10.2023 (Tuesday)  
VENUE: 5<sup>th</sup> Floor seminar hall  
10:30 AM- 11:30 AM

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

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

**Convenor**  
Dr. Manju Devi  
HOD ECE  
The Oxford College of Engineering

**Start-up activity coordinator**  
Dr. Preeti Sharan  
DEAN RESEARCH  
The Oxford College of Engineering  
Dr. Gayathri H N  
IEEE Co-ordinator

**IIC Faculty Coordinator**  
Dr. B. Sriatha,  
Associate Professor

**IIC Convenor**  
Dr. Manjula C  
HOD Mechatronics  
The Oxford College of Engineering

Resource person

Dr.Ravishankar Bhat

Chief operating Officer & co founder

BRICS LLP,Bangalore

Date: 17/10/2023

Innovative entrepreneurs are individuals who have the capability of creating and bringing innovative products to the market. Innovative entrepreneurship can help professionals develop ideas to successfully manage businesses. Understanding this concept can help you become a successful entrepreneur. In this article, we discuss what innovative entrepreneurship is, explore its types and review what skills can make an entrepreneur innovative.

Talk on “IEEE FUNDING OPPORTUNITIES” by Dr. Naresh Chand, IEEE Associate vice President, New Jersey, USA

The poster features a light blue background with a white diagonal stripe. At the top left is the logo of the Children's Education Society (CES), established in 1974, with the motto 'विद्या सर्वत्र भोषते'. To its right, the text reads 'Children's education society' and 'The Oxford College of Engineering, Hosur Road, Bommanahalli, Bangalore-68'. Below these are three logos: IEEE Photonics Society, IEEE Bangalore Section, and Prakash Bhattarai. The central text, in a mix of serif and sans-serif fonts, reads 'Heartly Welcome to CHIEF GUEST DR NARESH CHAND Ex IEEE Associate Vice President New Jersey, USA On 29/10/2022'. A circular portrait of Dr. Naresh Chand is positioned to the right of the text. At the bottom, a photograph shows the entrance to 'THE OXFORD INSTITUTIONS' with signs for 'ENGINEERING' and 'DENTAL'.

Children's education society  
The Oxford College of Engineering  
Hosur Road, Bommanahalli, Bangalore-68

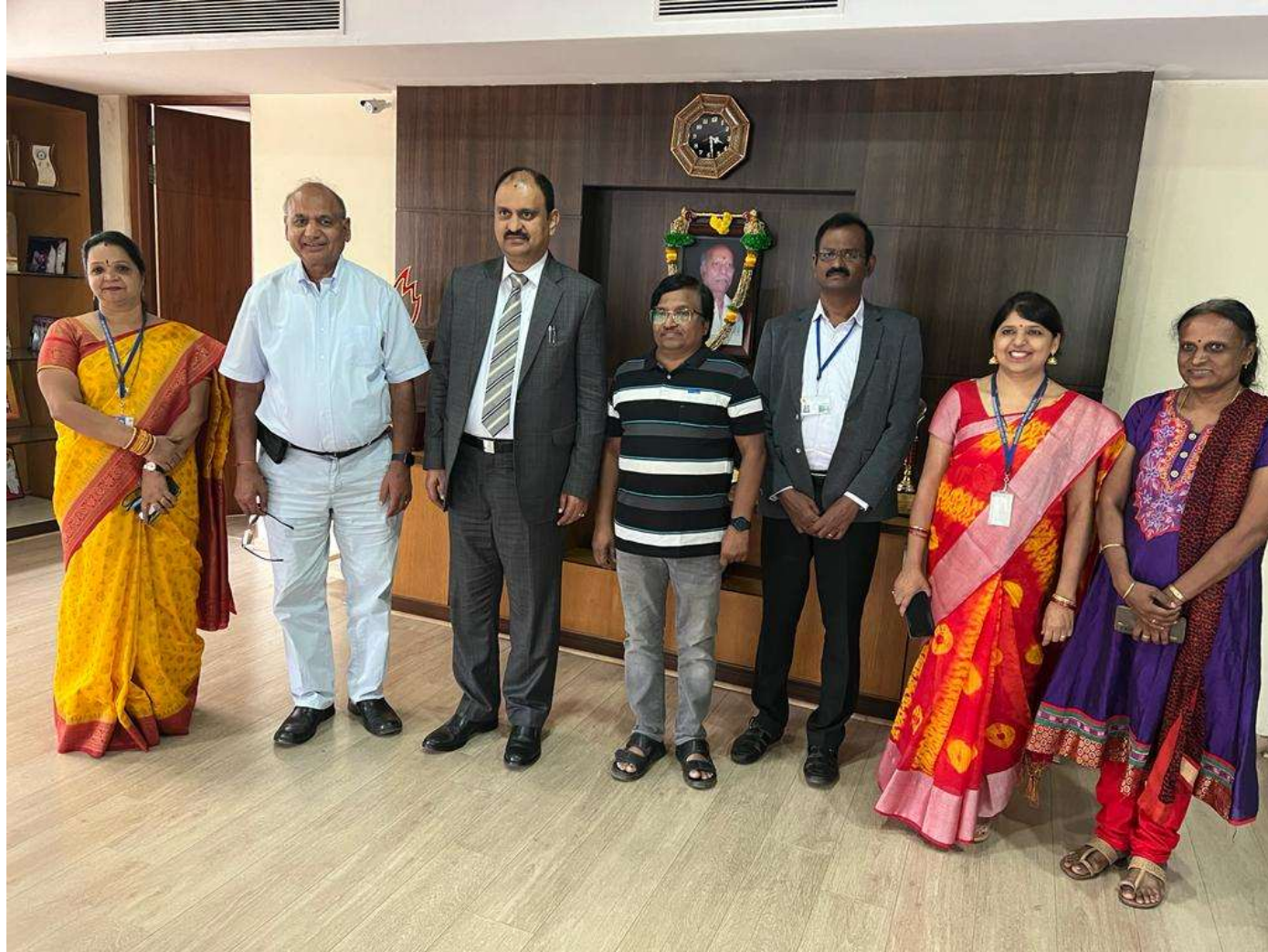
IEEE Photonics Society

IEEE BANGALORE SECTION

Prakash Bhattarai

*Heartly Welcome to*  
CHIEF GUEST  
**DR NARESH CHAND**  
Ex IEEE Associate Vice President  
New Jersey, USA  
On 29/10/2022

www.theoxford.edu  
THE OXFORD INSTITUTIONS  
ENGINEERING DENTAL





Awareness on I-STEM with Dr.Sanjeev Kumar Srivastav





IEEE DAY celebration on 10<sup>th</sup> October 2023 and the chief guest Dr. (Inv) Prof Vishal U.S Rao , Head Neck Oncologist -Robotic Surgeon, TEDx Speaker , Consultative group to PSA to PM, Govt. of India





