FROM IEEE BRANCH COUNSELLOR DESK

Dr.PreetaSharan – IEEE Student Branch Counsellor

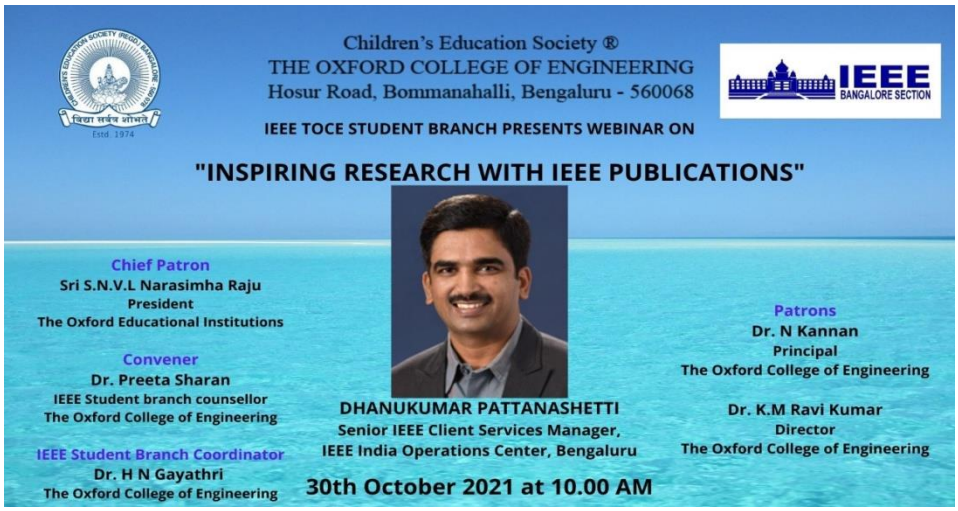
IEEE Student branch started in TOCE since 2011. Under our IEEE student branch various activities has been done for the benefits of the student community which will be helpful in their growth and shape their career.

1. Official details of IEEE Student branch TOCE
   - IEEE TOCE branch was established in 2011.
   - Branch code : 08641
   - Geo code for TOCE : STB08641
   - School code : 60020461
   - Region code : RIO

2. Official barriers
   - IEEE student branch consellor : Dr.PreetaSharan
   - IEEE EMBS Faculty Advisor : Dr BK Manjunath
   - IEEE Photonic Society Advisor : Dr Manju Devi
   - IEEE CS Society Advisor : Dr Naidu
   - IEEE student branch coordinator : Dr. H. N.Gayatri
   - IEEE student branch chair : Naveen Kumar Jaswal
   - IEEE student branch treasure : Ajit
   - IEEE student branch secretary : Abhishek

3. It consists of 45 students and there are many chapters established like Photonics society, EMBS society, CIS society, Computer society.
   We are associated with IEEE Photonic Society Bangalore section and offering the intership to student members since 5 years .
   Lot of activity have been conducted since 21 th June 2021-22
4. Following are the activities conducted at IEEE TOCE during the year 2022.

2021-2022



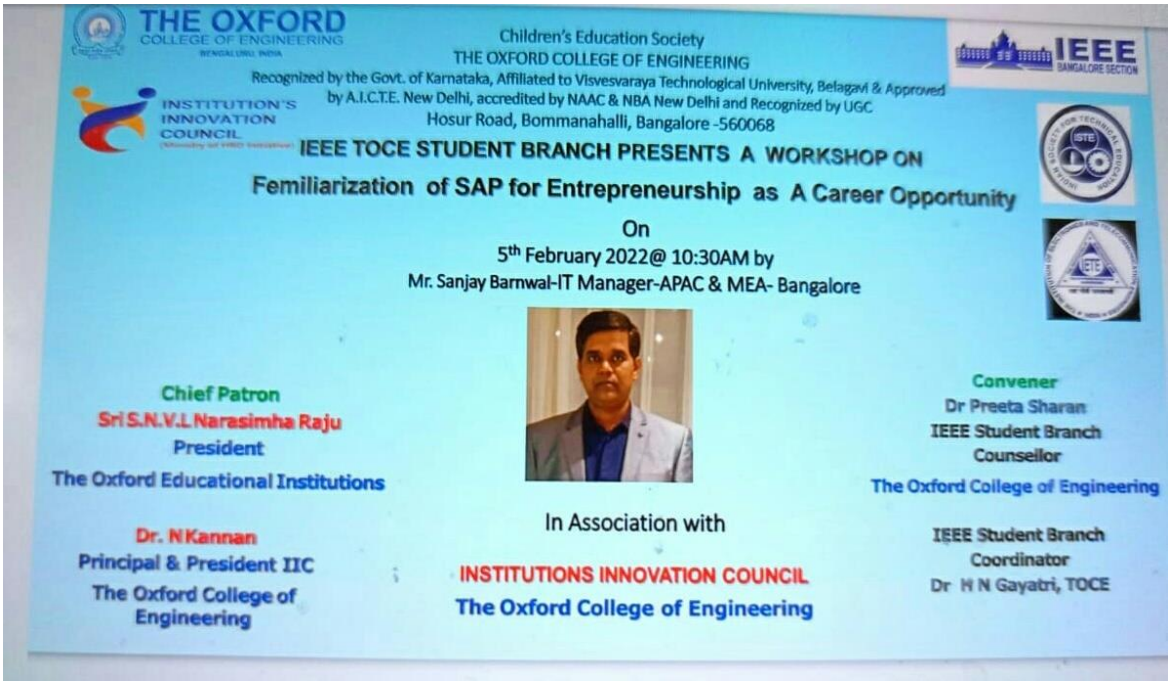
As a part of webinar Mr.DanushkumarPattanashetti has invited to as chief speaker on 30/10/21. He has given a technical talk on Inspiring research with IEEE publications.

Mr. Dhanushkumar explained about the benefits of joining this society, he also gave the clear information about how to browse the articles in IEEE digital library, He has given lot of information about benefits of IEEE branches and effective utilization of IEEE library.

Webinar on "LIFE STYLE CHANGES DURING AND AFTER COVID -19 " held on 23-11-2021

Dr. ShylendraPriyadarshiexplained about the how the life before covid-19 and after that. Sir told that what are the precautions to be taken even after the covid-19.how to maintain the health by doing yoga, pranayama. He explained about comrbities in the context of covid -19.he has given some references regarding the emergency medicines and all.Then questions and answers sessions were there and students got clarifications for their doubts.

Webinar on "FAMILIARIZATION OF SAP FOR ENTREPRENEURSHIP AS A CAREER OPPORTUNITY" held on 5TH Febraury 2022



Webinar on “Innovation and design thinking on optical network” held on 29th March 2022

WEBINAR ON "STRATEGIC CONSULTATION FOR GLOBAL OUTREACH: TAKING INDIAN EDUCATION TO COMMON WEALTH" held on13th April 2022

WEBINAR on PAPER PRESENTATION ON "BUSINESS PLAN/ PROTOTYPE DEVELOP" held on 9th May 2022

OUTREACH PROGRAMME CONDUCTED ON 20TH AUGUST 2022

National education policy

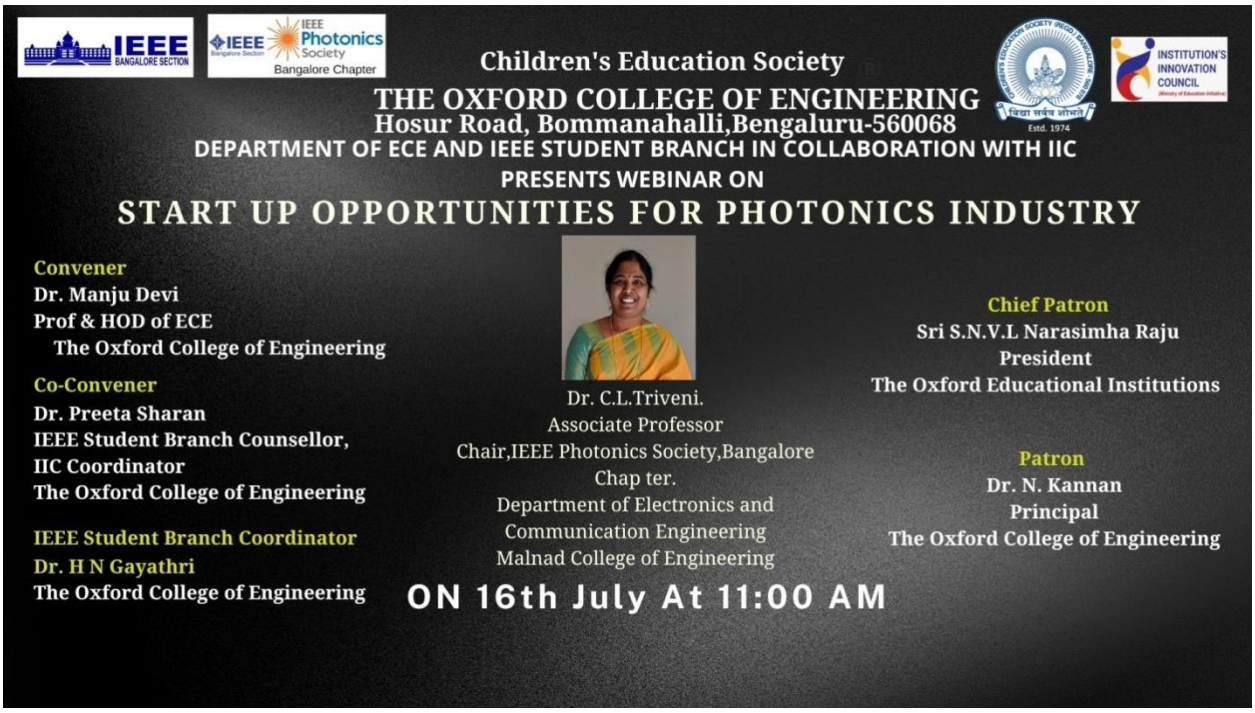
Webinar was held on November 10/11/2022 at 11:00 AM. The resource person was

Dr .S.Brindha who is working as Chair-Student Activities Committee(SAC) – IEEE MASExecom Member – IEEE MAS,Chairman – IEEE VTS Madras Section Chapter , Vice –Chairman - IEE SPS Madras Section Chapter,Professor / ECE, Sri Sairam Engineering College, Chennai.

WEBINAR ON

"START UP OPPURTUNITIES FOR PHOTONIC INDUSTRY"

Webinar was held on JULY 16th 2022 at 11:00 P.M .The resource person was Dr C.L.Triveni who is working as associate professor in Electronics and Communication Engineering. She has more than 12 years of teaching experience .She has published more than 10 papers in journals and conference proceedings. She is a member of IEEE Communication society and Exe-com member of IEEE Photonic societyShe volunteered as newsletter editor in IEEE ComSoc, Bangalore chapter and currently volunteering for newsletter editor for IEEE Photonics society, Bangalore chapter. Currentlyshe is Chair for IEEE Photonics society, Bangalore chapter. The program was held virtually and it was seen huge participation from academic institutions.

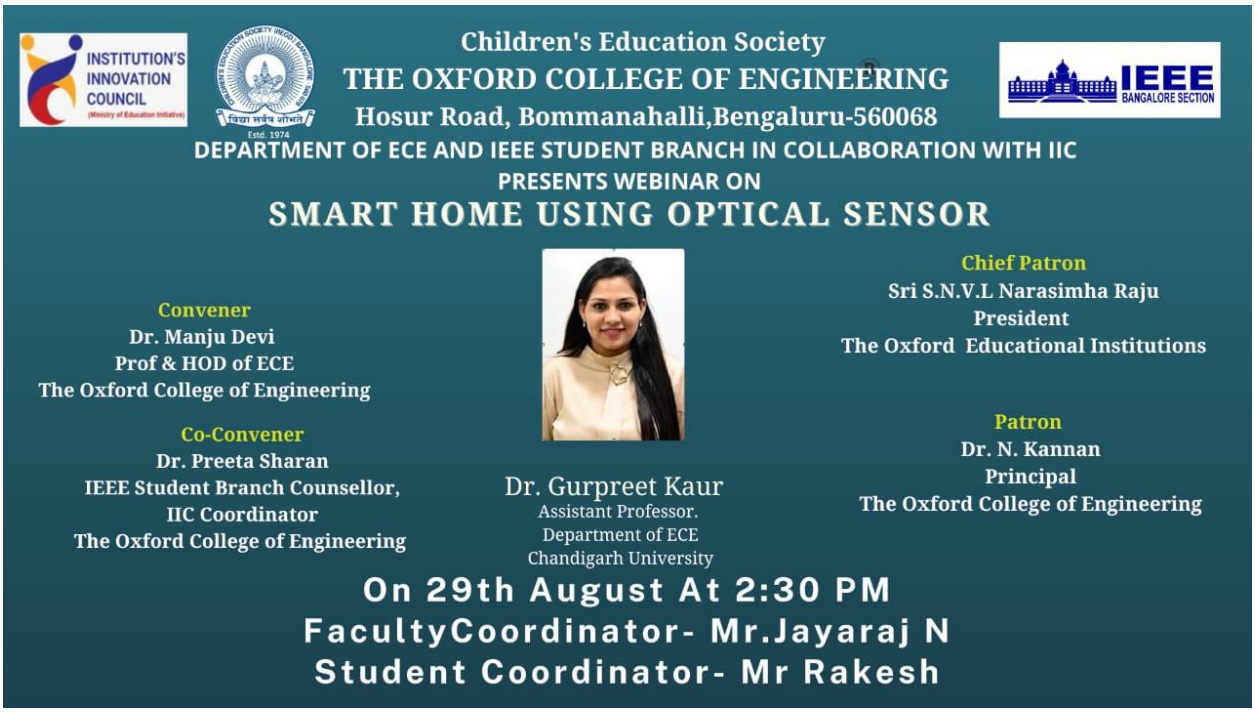


Webinar report

Title: Smart home using Optical Sensors by Dr.Gurpreet Kaur, Assistant Professor, Department of ECE, Chandigarh University

Date: 29.08.2022, Time: 2.30 PM to 3:30 PM.

Dr.Gurpreet Kaur is working as Assistant Professor in Department of Electronics and Communication Engineering, Chandigarh Univeristy, Gharuran, Mohali. Her Research Interests include Optical Fiber Communication,Optical Networks, Optical sensor and Civil Structure Health Monitoring. She has 25 SCI indexed journals and 6 scopus indexed journals to her credit. She has presented many papers in national and international conferences. She is an Associate editor for IET (The Journal of Engineering).She has Membership in The Optical Society and also has IAENG membership.



Webinaron “R & D Innovation on Writing Technical Paper for Quality Journal”

The Oxford college of Engineering, Bengaluru- Institution Innovation Council in association with IEEE Student Chapter Department of Information Science and Engineering organized a webinar on **R & D Innovation on Writing Technical Paper for Quality Journal**by Dr.ChittaranjanNayak, Associate Professor, Department of Communication Engineering, School of Electronics, Vellore Institute of Technology on 16th Sep 2022 from 10:00am to 12:00 pm through online mode using Ms Teams.

Resource person has joined through online and the participants were attended in the 5th floor seminar hall for the session from 10:00AM to 12:00PM. Dr.ChittaranjanNayak working as an associate Professor in Vellore Institute of Technology. He has good number of articles, international journals, conferences and patents, He has awarded as a recipient of MHRD Scholarship from Government of India. He also acted as an editor and reviewer for various journals.

Expert Talk on "Accreditation of HEI's: A Road Map for 21st Century Institutions"

Department of Electrical & Electronics Engineering & IEEE Student Branch Expert Talk on "Accreditation of HEI's: A Road Map for 21st Century Institutions" The Oxford college of Engineering, Bengaluru- Department of Electrical and Electronics Engineering & IEEE Student Branch., TOCE organized an expert talk on "Accreditation of HEI's : A Road Map for 21st Century Institutions" by Dr.Manpreet Singh Manna, Former Director, AICTE MoE, Govt of India and Associate Professor SLIET Longowal on 08th October 2022 from 10:30 AM to 11:30 AM through blended mode

Technical interaction & talk on “IEEE FUNDING OPPORTUNITIES”

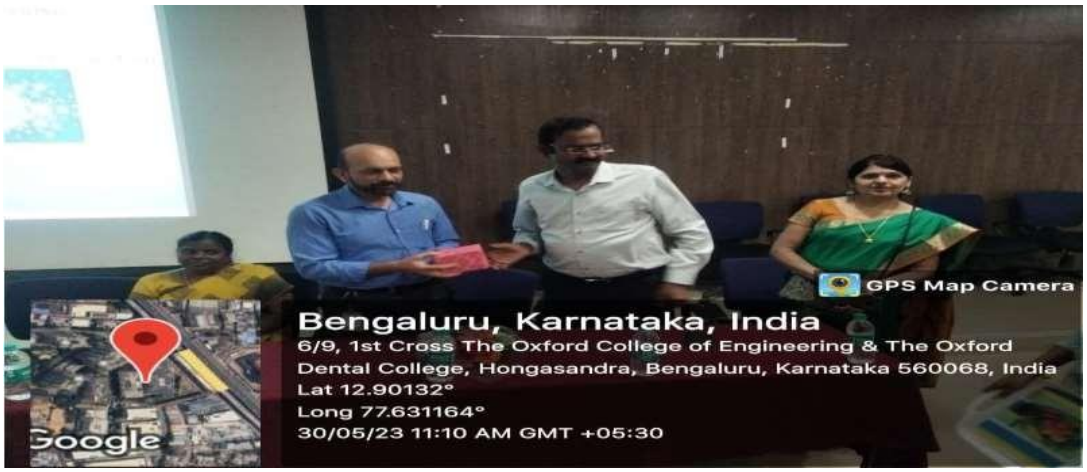
The Oxford college of Engineering, Bengaluru, Department of Electronics & Communication Engineering in association with IEEE &IIC organized Technical interaction & talkon “IEEE FUNDING OPPORTUNITIES” by Dr.Naresh Chand, IEEE Associate vicePresident, New Jersey,USA on 29 th October 2022 from 2:00 PM to 4:00 PM through offlinemode in R &DCenter ,ECE DEPT.

2023-2024

REPORTON 2DaysWorkshop on Biosensor designing using various Photonic Tools

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 awareof variousBiosensorsdesignusingvariousphotonictoolslikeRSoft,MEEPandOpti.

On Day 1 the keynote address was delivered by **Dr. Navin Kumar**, Chairperson and Professorat the Department of Electronics and Communication, School of Engineering, Amrita Vishwa Vidyapeetham, Bengaluru. In his talk he spoke about the topic Gettingengaged 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** aboutthe topic Optical sensor design using MEEP. The students are very interested in hands-on session. Theyinstalled thesoftwareand designed the various biosensors byusingMEEP 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 variousbiosensors

by using MEEP tool.

TWODAYS “HANDSONWORKSHOPONSPLICING TECHNIQUES”ON14th and15th June2023.

Resource person DR.RAKESH,EDU LIFE PVT LTD, BANGALORE.

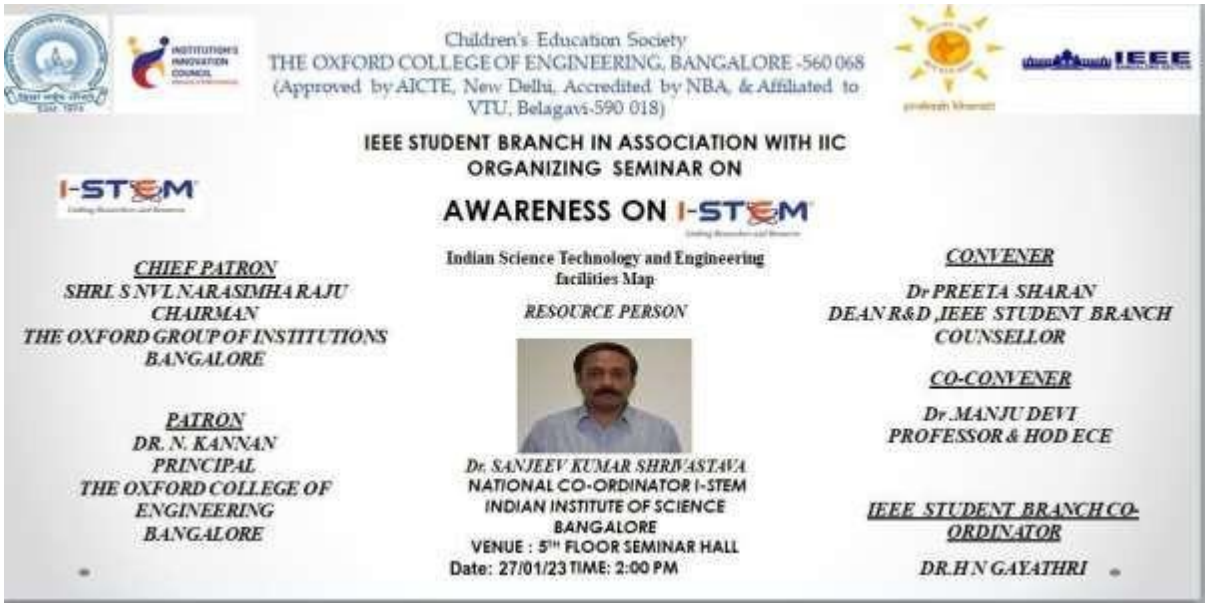
The Department of ECE sponsored a two-day hands-on workshop on the splicing machine and the opticaltimedomainreflectometer(OTDR)onJune14,2023,andJune15,2023.Theprimarygoalof this session was to provide the students hands-on experience with fibre, which would help them comprehend how optical fibre functions and how to operate a splicing machine.

Expert talk on**"Immense Opportunities in Entrepreneurship and Startup Program"**

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.

IEEE
The Oxford College of Engineering

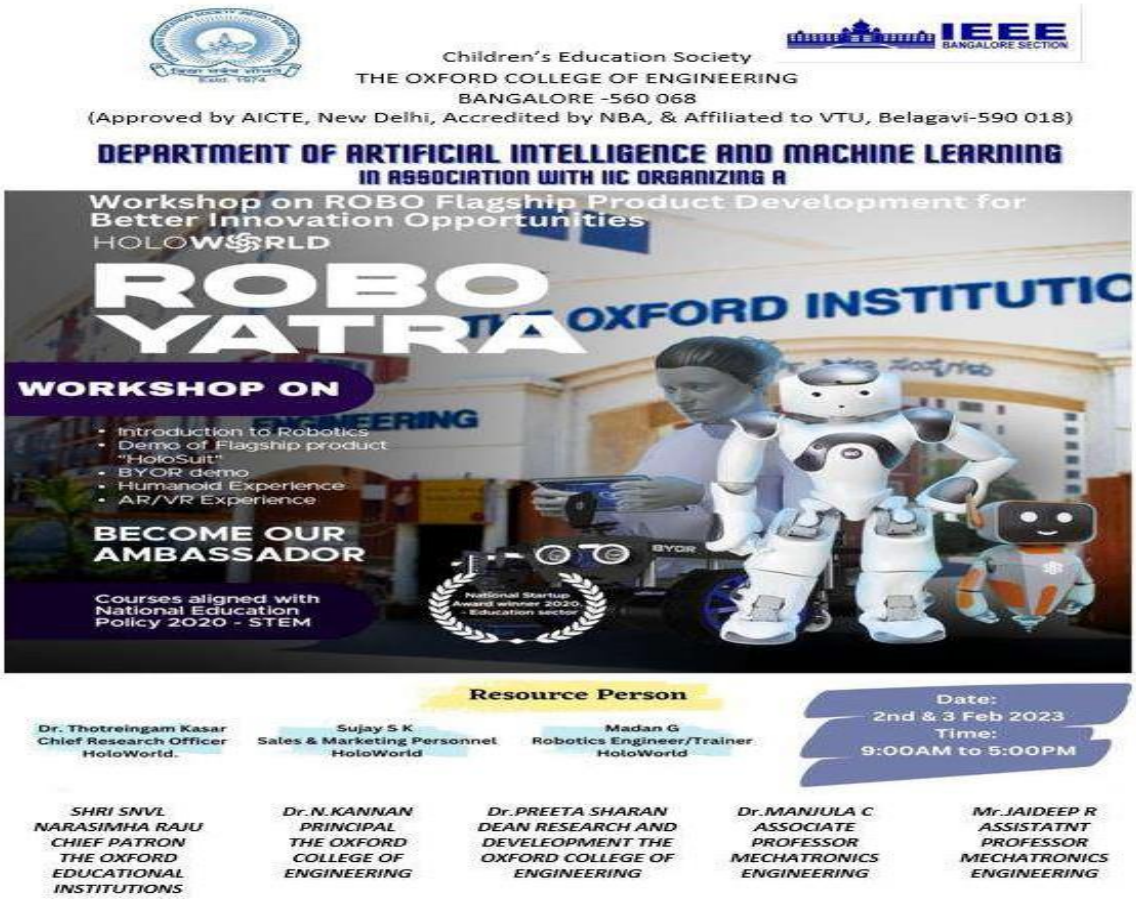
Seminaron“AWARENESSONI-STEM”



26th JANUARY
HAPPY REPUBLIC DAY
Women in Science & Engineering-KIRAN (WISE-KIRAN)
WISE-Post Doctoral Fellowship (WISE-PDF)

I-STEM
Supplier and Service Provider Map for Scientific Community
2023-2-5 21:35

WORKSHOPON"ROBOFLAGSHIPPRODUCTDEVELOPMENTFORBETTER INNOVATION OPPURTUNITIES"



Industry
Education
Gaming
Entertainment

SEMINAR ON GRASPIEEE EXPLORER

Seminar was held on February 7 th 2023 at 11:00A.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. Bypublishingwith IEEE, you get the global prestige and speed of publication that high-quality research deserves.

WEBINAR ON

“SCHOOLTOSTRTUPSLIGHTENINGYOUNGMINDS”

On the eve of National technology day 2023,Webinar was arranged on 11th May2023 by

Dr Preeta Sharan, Dean Research, TOCEunder IEEE student branch in association withIIC Council TOCE .

TWO DAYS "HANDSONWORKSHOPONSPLICING TECHNIQUES"ON14th and15th June2023.

Resource person DR.RAKESH,EDU LIFE PVTLTD,BANGALORE.

The Department of ECE sponsored a two-day hands-on workshop on the splicing machine and the opticaltimedomainreflectometer(OTDR)onJune14,2023,andJune15,2023.Theprimarygoalofthis 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.

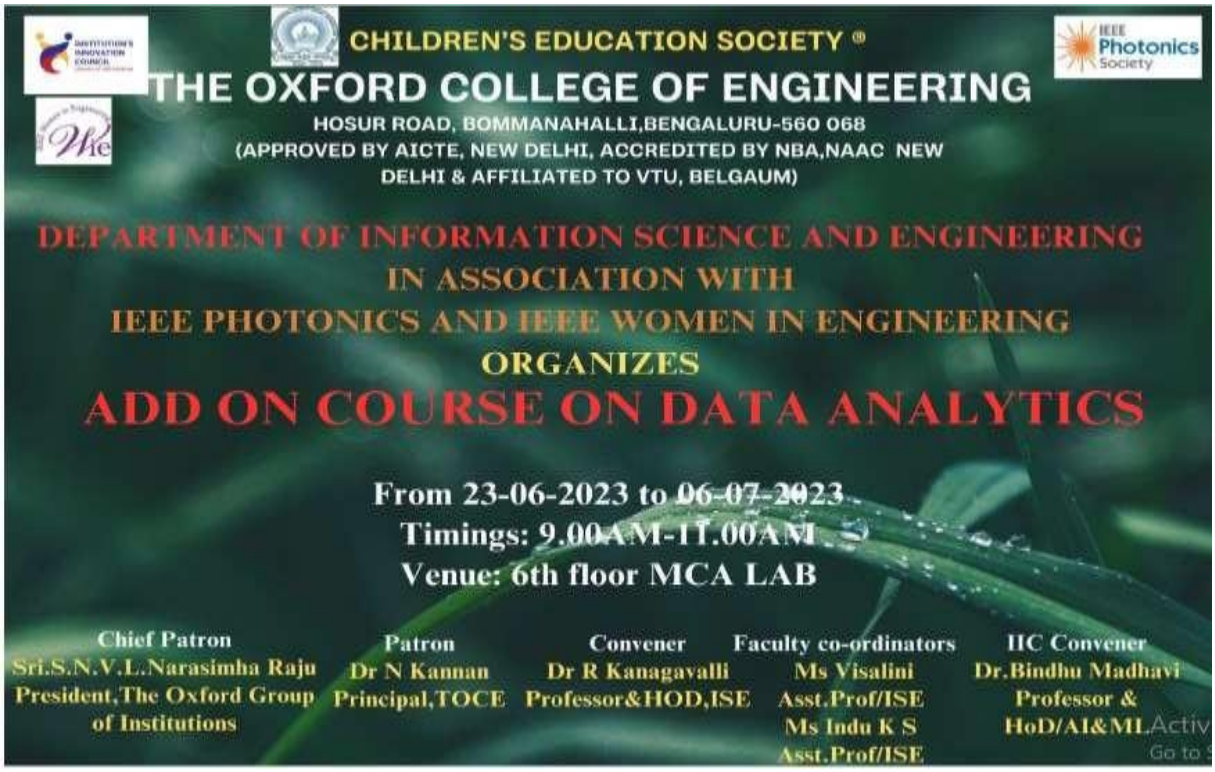
WorkshoponDataAnalytics

Organizedby: DepartmentOf InformationScienceandEngineering

Conductedby:LearningLinksFoundation(LLF)

Durationof thecourse:14 days(9.00AM-11.00AM)-**23/6/2023and17/7/2023**

TrainersName:Mr.JyothiRam,PrincipalConsultant,LLFand**Mr.YathishS**,Lead Consultant, LLF.



VenueforTheoryandPractical Sessions:-MCA-TheOxfordcollege of Engineering

PosterforWorkshop

COURSEOVERVIEW

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 77students enrolled for this program. Total duration of the course was 28 hrs.

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 AnalyticstoallstudentsalongwithhowtousePowerBI,GeneralApplicationsofPythonand

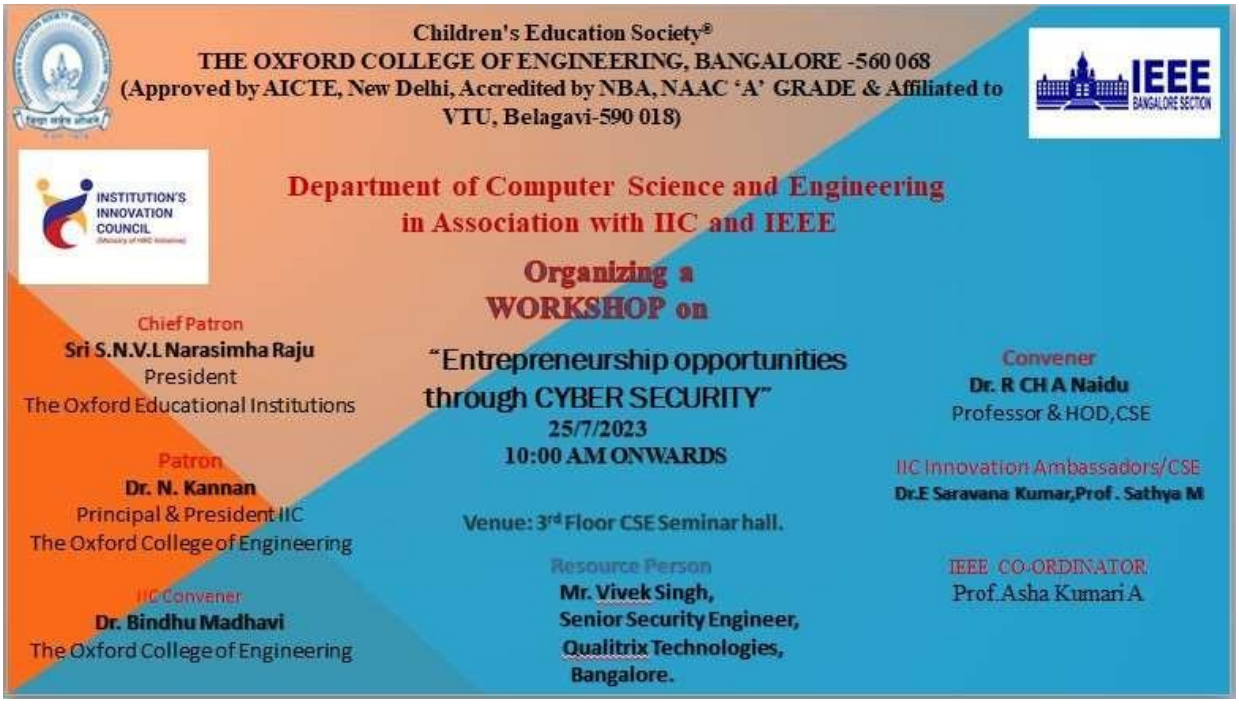
Excel. The trainer taught basic concepts of Excel like Data tools, Date and time functions, Advance filter and vlookup and hlookup. The trainer also taught standard data types , Python libraries and how to do Data Analyticsusing python to all students.

Mr.JyothiRamandMr.YathishexplainingtheDataAnalyticsoftheworkshop conducted.

WORKSHOPON"ENTREPRENEURSHIPOPPORTUNITIESTHROUGH SAP"

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"**on21stJuly2023from10:00AMto4.00PM by Mr.Shyamasundar G C, Project Manager,ATOS Private Limited, Bengaluru, India.

WORKSHOPON"ENTREPRENEURSHIPOPPORTUNITIES THROUGHCYBERSECURITY"



The Oxford college of Engineering, Bangalore - Computer Science and Engineering inassociation with Institution Innovation Council and IEEEorganized a workshop ***"ENTREPRENEURSHIP OPPORTUNITIES THROUGHCYBERSECURITY"***on25th

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.

IEEE DAY CELEBRATION ON 10/10/2023

The Oxford college of Engineering, Bengaluru- IEEE Student Branch in association with Department of Electronics and communication Engg anddepartmentofBiotechnologyin Organized IEEE DAY celebration and thechief guest

Dr.(Inv)ProfVishalU.S Rao ,HeadNeckOncologist-RoboticSurgeon,TEDxSpeaker

ConsultativegrouptoPSAtoPM,Govt.ofIndiaon10th October2023from10:30AMto 12:30 AM through offline mode. Dr. Dr. (Inv) ProfVishal U.S Rao explained about the innovation and design thinking ,patenting.he explained about various new technology in operating the oncology patients.

IEEE DAY
2023
TOCE SB
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48MP AI Quad Camera
2023.10.10 12:37

SEMINAR ON Diversity,Inclusion and Accessibility

Resource person Monika rajshekar ,Programme outreach officer, Karnataka red dot foundation Bengaluru.

SEMINARON "Innovate to Elevate:A pathway to Enterpreneurship"

Resource person

Dr.RavishankarB

hat

ChiefoperatingOfficier&cofounder

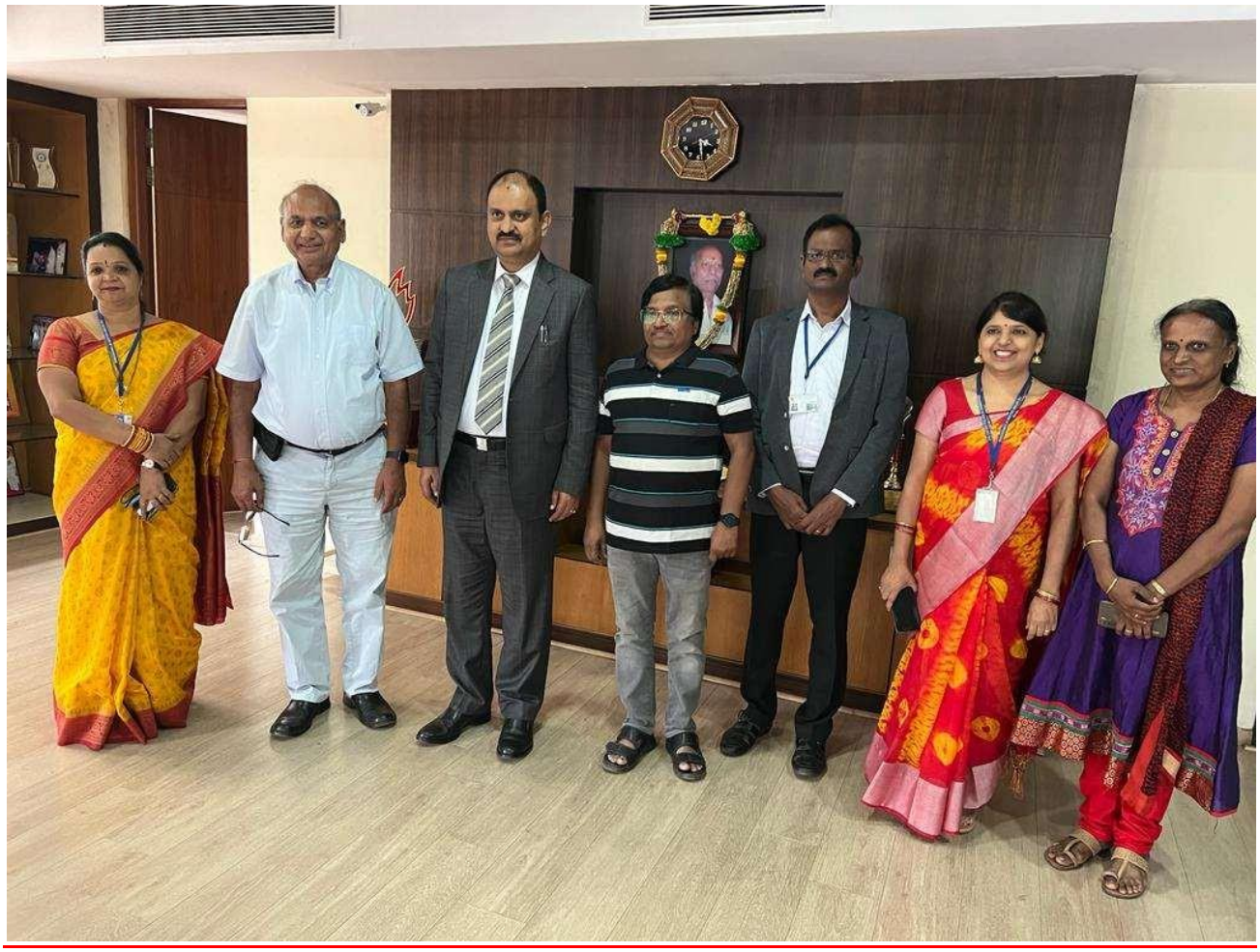
BRICS LLP,Bangalore

Date: 17/10/2023

Innovative entrepreneurs are individuals who have the capabilityof 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 discusswhatinnovativeentrepreneurshipis,exploreitstypesandreviewwhatskillscanmakeanentrepreneur innovative.

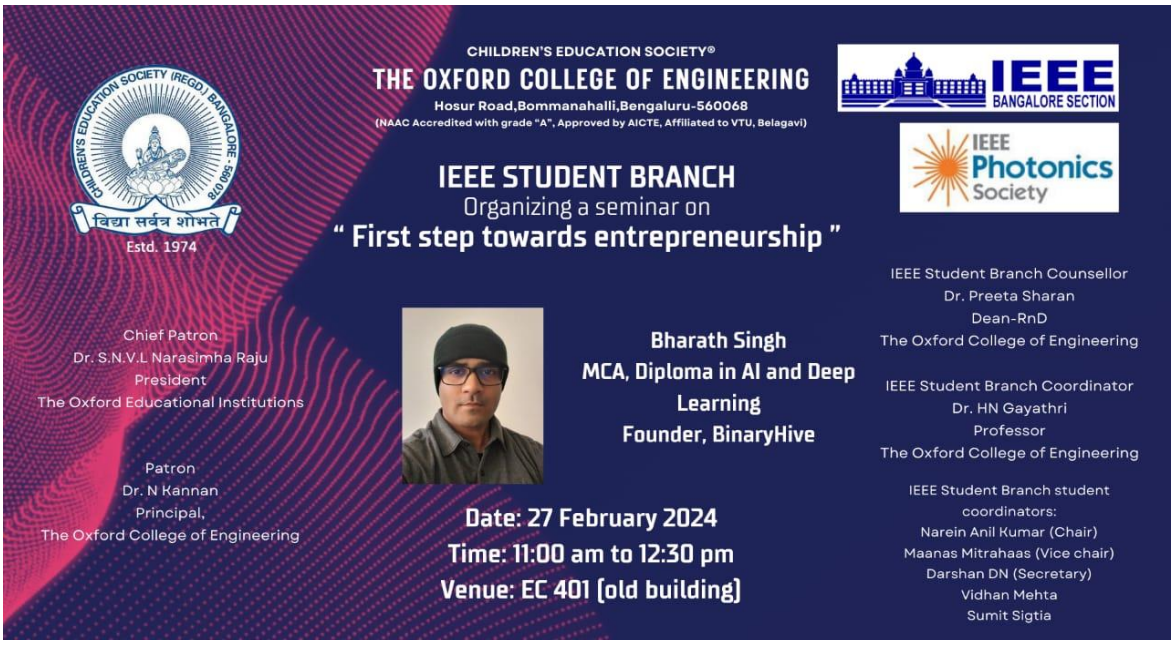
Expert Talk on "IEEE FUNDING OPPORTUNITIES" by Dr.Naresh Chand, IEEE Associate

vice President,New Jersey,USA



2024-2025

“First step towards Enterpreneurship”



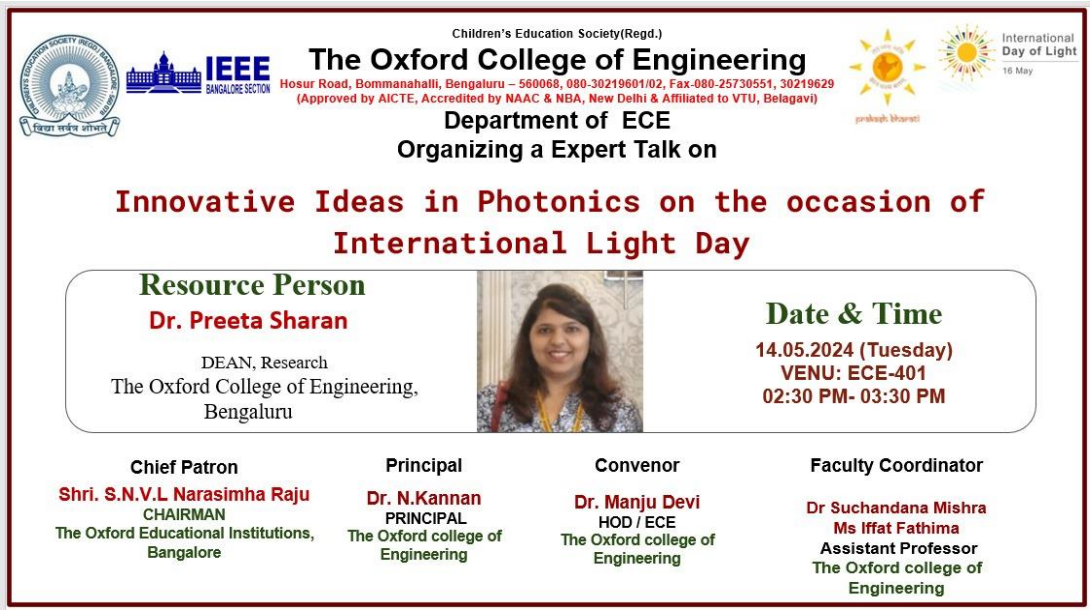
Seminar on “**First step towards entrepreneurship**” organized As a part of seminar by The Oxford College of Engineering, Bengaluru- IEEE Student Branch TOCE in association with IIC, byMr.BharathSingh,Founder,BinaryHive,Bangalore on 27 Feb 2024.

One-day workshop on "Internet of Things and its Applications: A Hands-on Approach" on 21st May 2024.

Workshop on "Internet of Things and its Applications: A Hands-on Approach" organized As a part of Hands on by The Oxford College of Engineering, Bengaluru- IEEE Student Branch TOCE in association with IIC, by Dr.NirmalaHiremani,Program Coordinator , Department of CSE, VTU Centre for Post Graduate Studies,Muddenahalli,Assistant Director, Skill Development Centre, Muddenahalli ,Tech Guru, AICTE ATAL IDEA LAB , Muddenahalli.on 21 May 2024. Time: 10:30- 3:30 PM.

“Innovative ideas in photonics on the occasion of Inernational light day”

The Oxford college of Engineering, Bengaluru- Department of Electrical and ElectronicsEngineering & IEEE Student Branch, TOCE organized an expert talk on “ Inanovtive Ideas in photonics on the occasion of Inernational light day” By Dr.PreetaSharan ,Dean Resarch ,The Oxford College of Engineering ,Bangalore, on 14/5/24 from 2.30PM.to 3.30 PM



A

Technical talk was organised by IEEE Student branch in Association with Department of ECE on 6th Aug 2024 from 2.00 to 03.00 PM

A Technical talk "Ring Resonator- An Optical Ultra –fast swith" was organised by IEEE Student branch in Association with Department of ECE on 6th Aug 2024 from 2.00 to 03.00 PM the resource person was Dr.Gaurav Kumar Bharti, Asst. professor ,Dept of ECE ,IIIT,Bhopal.

Workshop Report: Design of Photonic Sensors Using Optical Simulators

Workshop Report: Design of Photonic Sensors Using Optical Simulators Date: 13 September 2024 Venue: Seminar Hall, 6th floor Duration: 4 hours Organized by: TOCE IEEE Student Branch Overview: A workshop titled "Design of Photonic Sensors Using Optical Simulators" was successfully conducted on 13 September 2024. The workshop was aimed at providing participants with in-depth knowledge and hands-on experience in designing photonic sensors using advanced optical simulation software. Attendees included students, researchers, and professionals from various engineering colleges.

Resource person :Dr.K.R.Shobha, Dean Research, Professor & Head of the Department ECE

DSCE,Bangalore. Secretary , IEEE Bangalore Section.

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IEEE Photonics Society
IEEE BANGALORE SECTION
TOCE IEEE STUDENT BRANCH
is organizing a workshop on
DESIGN OF PHOTONIC SENSOR USING OPTICAL SIMULATOR
Scan to register:
Dr. K. R. Shobha
Dean Research
Professor and Head, Department of ECE, DSCE, Bengaluru
Secretary, IEEE Bangalore Section
Trainer
Anup M Upadhyaya
Assistant Professor
TOCE
Chief Patron
Dr. S.N.V.L Narasimha Raju
President
The Oxford Educational Institutions
Patron
Dr. HN Ramesh
Principal, The Oxford College of Engineering
Date: 13th September, 2024
Time: 10:30am to 3:30pm
Venue: Seminar hall, 6th floor
Convener
Dr. Preeta Sharan
Dean RnD, Branch Councillor
TOCE
IEEE Student Branch Coordinator
Dr. HN Gayathri
Professor
TOCE
IEEE Student Branch student coordinators: Narein Anil Kumar (Chair), Maanas Mitrahaas (Vice chair), Dhruva HK (Secretary)

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IEEE BANGALORE SECTION

E-CELL TOCE

Children's Education Society

The Oxford College of Engineering

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WE RISE BY LIFTING OTHERS

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VICHĀRĀGNI

SEPT 30	10:00AM ONWARDS
	VENUE: 5TH FLOOR AUDITORIUM

CHIEF PATRON
Dr.S.N.V.L Narasimha Raju
President
The Oxford Educational Institutions

PATRON
Dr.H.N. Ramesh
Principal, TOCE

FACULTY ADVISOR
Dr. B K Manjunath
Vice Principal,HOD/BT

DEAN RESEARCH
Dr.Preeta Sharan
ECE,TOCE

REACH OUT US:
9448542560
9538398683

STUDENT COORDINATOR
J Suhas
Campus Ambassador
CSE

FACULTY COORDINATORS
Dr. E Saravana Kumar
HOD/CSE
Dr. P.Bindhu Madhavi
HOD/AIML

E-Cell Vicharagni event was an inspiring platform for budding entrepreneurs. After an introduction by the coordinators, upcoming entrepreneurs shared their experiences, offering insights into sectors like tech and healthcare. Dignitaries, including the dean and a business leader as the chief guest, spoke on the importance of resilience and innovation. A key highlight was the student startup pitch competition, where teams presented innovative ideas and answered questions from judges. Prizes were awarded for the first three winners as 1st,2nd and 3rd in categories like Best Innovative Idea and Best Social Impact Startup. The event concluded with a vote of thanks, leaving students motivated to pursue their entrepreneurial goals.

IEEE DAY CELEBRATION ON 10TH OCTOBER 2024

IEEE Day 2024 Celebration Report Date: 10 October 2024 Venue: Seminar Hall, 6th Floor Organized by: TOCE IEEE Student Branch Overview: The IEEE Day 2024 celebration was held on 10 October 2024 at the Seminar Hall, 6th Floor, organized by the TOCE IEEE Student Branch. The event brought together IEEE members and students to celebrate the global initiative that recognizes the role of IEEE in advancing technology for humanity. The focus of this year's celebration was on the challenges of climate change and disaster management and how technology can provide solutions.

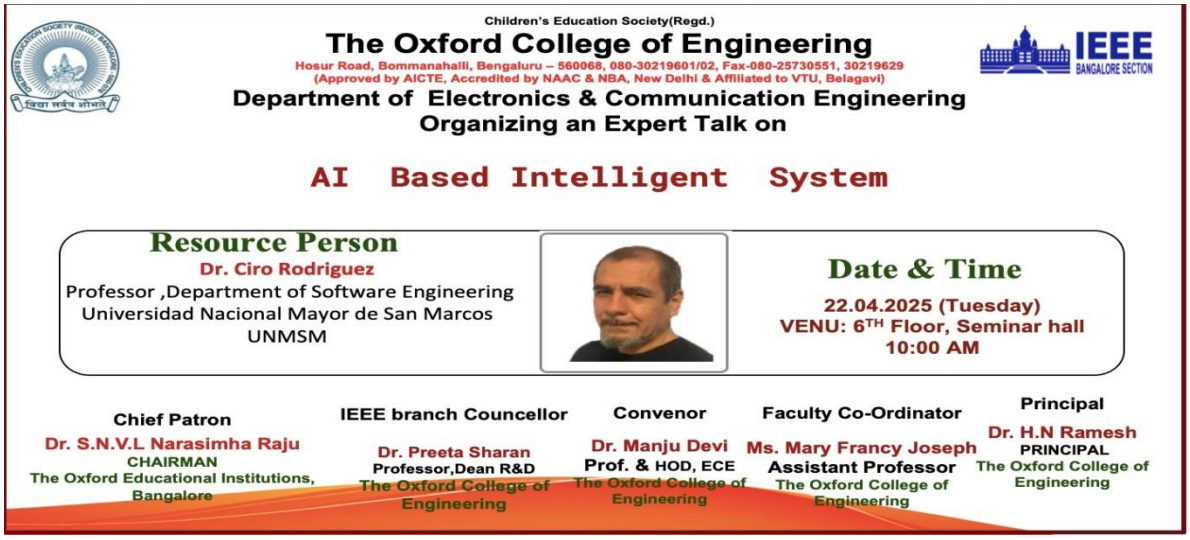
"VTU Consortium training program on EBSCO and IEEE resources"

The TOCE IEEE Student branch of The Oxford College of Engineering organized a training program to enhance the research capabilities of faculty members, research scholars, and students by effectively utilizing EBSCO and IEEE resources. The objective was to familiarize participants with the features of EBSCOhost and IEEE Xplore digital libraries, improve research efficiency through advanced search techniques, and provide insights on organizing research papers.

The session was conducted by Mr. M S Srinivasa, Training manager of Karnataka & Telangana states from EBSCO Information Services (IEEE official training partner in India).

Expert Talk on **" AI Based Intelligent Systems"**

Department of Electronics & Communication Engineering, The Oxford College of Engineering organized Expert Talk on **" AI Based Intelligent Systems"** on 22nd April 2025 from 10:00AM to 11:00AM by Dr. Ciro Rodriguez R from Universidad Nacional Mayor De San Marcos(UNMSM)



The Oxford College of Engineering
IEEE SPS and Photonics Branch Chapter

EXPERT ALERT!!!

AUDIO AND SIGNAL PROCESSING WORKSHOP

The Department of Electronics and Communication Engineering is set to organize an immersive hands-on workshop on Audio and Signal Processing, promising an engaging blend of theory and practical application. Participants will dive into the fundamentals of digital sound, exploring signal analysis, audio filtering, and waveform synthesis using industry-relevant tools. Aimed at bridging the gap between academic concepts and real-world implementation, the workshop is expected to spark curiosity and equip students with valuable skills in the rapidly evolving field of audio technology.

Ms. Jayasudha BSK

Senior Product Development Engineer at HARMAN International

Vice-Chair of IEEE SPS Bangalore Section

Date: 8th May, 2025
Time: 9 am onwards
Venue:
Seminar Hall, 6th floor

Management Committee Members-TOCE
Principal, TOCE
TOCE IEEE Student Branch