



Lokmanya Tilak Jankalyan Shikshan Sanstha's

Lokmanya Tilak College of Engineering

Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai

(Approved by AICTE, Affiliated to University of Mumbai, & Accredited by NAAC)



Certificate

This is to Certify that

**LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
LOKMANYA TILAK COLLEGE OF ENGINEERING**

**KOPARKHAIRANE, NAVI MUMBAI,
MAHARASHTRA, INDIA**

has been found in Compliance with requirements of
Environmental Management System

ISO 14001:2015

for the following scope:

BE Computer Engineering, BE Computer Science & Engineering (Data Science),
BE Computer Science & Engineering (Artificial intelligence and Machine Learning),
BE Computer Science & Engineering (IoT and Cyber Security Including Blockchain
Technology), BE Electrical Engineering, BE Electronics and Telecommunication
Engineering, BE Mechanical Engineering, ME Computer Engineering, ME Mechanical
Engineering, Ph.D Computer Engineering and Ph.D. Mechanical Engineering.

Certificate No. : EMS/15T4/0123
Original Certificate Date : 01 - April - 2022
Issue Date : 01 - April - 2022
Expiry Date : 31 - March - 2023

To check this certificate status visit:
"<http://uasl.uk.com/certifiedorganization>"

Authorised Signature

Quality Control Certification

UK Office: 1929, Chynoweth House,
Trevisson Park, Truro-TR48UN, Cornwall, UK
India Office: 2nd Floor, Aman Market,
Narela Mandi, Delhi - 110 040, India



"Quality Control Certification (QCC)" accredited by "UASL, England, UK". This certificate remains the property of "QCC" to whom it must be returned on request.



Lokmanya Tilak Jankalyan Shikshan Sanstha's
Lokmanya Tilak College of Engineering
Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai



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DEPARTMENT OF COMPUTER ENGINEERING
ORGANIZES UNDER IQAC AN ONLINE WORKSHOP ON
BLOCKCHAIN TECHNOLOGY

LOKMANYA TILAK COLLEGE
OF ENGINEERING, NAVI MUMBAI

17TH JUNE 2021 (11:00 - 12:30 & 2:00 - 3:30)	18TH JUNE 2021 (2:00 PM - 4:00 PM)	19TH JUNE 2021 (11:00 AM - 01:00 PM)	19TH JUNE 2021 (2:00 PM - 4:00 PM)
			
DR. SHASHIDHAR R (ASST. PROFESSOR IN THE SCHOOL OF ENGINEERING & APPLIED SCIENCES, BENNETT UNIVERSITY, GREATER NOIDA UTTAR PRADESH, INDIA.)	DR. SHRADDHA PHANSALKAR (PROFESSOR AT MIT SCHOOL OF ENGINEERING MITADT UNIVERSITY PUNE.)	DR. BHUSHAN JADHAV (ASST. PROFESSOR IN IT DEPARTMENT AT TSEC MUMBAI)	MR. PRANAV SHASTRI (PROGRAMMING FIESTA)
PRINCIPAL DR. VIVEK K. SUNNAPWAR	VICE PRINCIPAL DR. SUBHASH K. SHINDE	HOD PROF. RAJENDRA GAWALI	
PROGRAM COORDINATOR: PROF. KAHKASHAN SIDDAVATAM (+91 98336 97806)	FACULTY CO-CORDINATOR PROF. SULBHA YADAV		

(17th TO 19th JUNE 2021)
REGISTRATION LINK :
<https://forms.gle/wN2DMCEjqXfttN8o6>

**“One Week Online FDP on Advancements in IoT, Cyber Security
and Drone Technology”**

Date: 07/06/2021 to 12/06/2021

No. of Participants: 137 (Including overseas participants)

Major Course Contents:

- *To promote basics and advanced research related to IoT and Cyber Security.*
- *Challenges and issues related to IoT as per requirement of different development areas.*
- *Hands on Training sessions with demos on real time applications.*
- *Drone technology and solutions in real world.*

Speakers:

Day 1: Mr. Renjith C. V.

Electrical Architect/Product Designer at Philips India LTD, Pune

Day 2 and Day 3: Mr. Nishant Singh

Corporate and Academic Technical Trainer in IoT,



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Robotics and Embedded Systems, Mumbai

Day 4: Mr. Adnaan Ahmed

Freelancer Cyber Security, USA

Day 5: Mr. Shrikant Thakker

Sr. Manager, Technology Consulting, Ernst & Young LLP, Mumbai

Day 6: Dr. Harold D'Costa

President-Cyber Security Corporation and

CEO-Intelligent Quotient Security System

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S

LOKMANYA TILAK COLLEGE OF ENGINEERING, NAVI MUMBAI

DEPARTMENT OF ELECTRONICS ENGINEERING &
 DEPT. OF COMPUTER SCIENCE AND ENGINEERING (IoT & Cyber Security including Block Chain Technology)
 Jointly Under IQAC Organizes

“One Week Online FDP on Advancements in IoT, Cyber Security and Drone Technology”

Major Course Contents:

- To promote basics and advanced research related to IoT and Cyber Security.
- Challenges and issues related to IoT as per requirement of different development areas.
- Hands on Training sessions with demos on real time applications.
- Drone technology and solutions in real world.

Online Registration Form
<https://forms.gle/DJwTj58bK9B7VHy9>

7th to 12th June 2021
 Time: 2.00 to 4.30 PM

Registration is free and
Only limited seats available

E-certificate to all participants

Faculty Coordinators :
 Dr. Shilpa Joshi (9930900760)
 Dr. Shilpa Wakode (9869446344)

Mr. Nishant Singh
 Corporate and Academic
 Technical Trainer in IoT, Robotics
 and Embedded Systems, Mumbai

Mr. Shrikant Thakker
 Sr. Manager, Technology
 Consulting, Ernst &
 Young LLP, Mumbai

Dr. Vijay Wadhai
 Principal,
 D. Y. Patil COE,
 Akurdi, Pune

Mr. Adnaan
 Ahmed
 Freelancer, Cyber
 Security, USA

Mr. Renjith C. V.
 Electrical Architect/
 Product Designer at
 Philips India LTD, Pune

Dr. Sheeba P. S.
 HOD

Dr. Subhash Shinde
 Vice-Principal

Dr. Vivek Sunnapwar
 Principal

One week Faculty Development Program (7th to 12th June 2021) on
 “Advancements in IoT, Cyber Security and Drone Technology”
Summary Report

Day/Time	Course Contents	Topics Covered
Day 1 : 07-06-21 (Monday)	Session 1 Mr. Renjith C. V. “IoT Architecture”	<ul style="list-style-type: none"> ▪ Design and architecture of IoT with various aspects of <ul style="list-style-type: none"> ▪ Building blocks ▪ Platforms ▪ Sensors ▪ Operating system ▪ Protocols ▪ Security with respect to IoT
Day 2 : 08-06-21 (Tuesday)	Session 2 Mr. Nishant Singh “IoT using Amazon Web Services”	<ul style="list-style-type: none"> ▪ Need of AWS to be used for IoT Services ▪ How to integrate AWS to existing data through Python programming platform ▪ Things to take care of making IoT work easy
Day 3 : 09-06-21 (Wednesday)	Session 3 Mr. Nishant Singh “Hands on Training Session – Integrating different services of AWS”	<ul style="list-style-type: none"> ▪ Hands on session with demos on various IoT Services offered by AWS ▪ Real time Example on alters the repair team about the machine ▪ AWS Management Console ▪ Real time Example on temperature monitoring
Day 4 : 10-06-21 (Thursday)	Session 4 Mr. Adnaan Ahmed “Cyber Security”	<ul style="list-style-type: none"> ▪ Concept of Proxy Server and VPN ▪ How TOR works ▪ Types of Web and its comparison
Day 5 : 11-06-21 (Friday)	Session 5 Mr. Shrikant Thakker “Drones - Technology and Applications”	<ul style="list-style-type: none"> ▪ Airframe design and construction ▪ UAV Technology ▪ Payload & Associated types of data ▪ Application case study examples
Day 6 : 12-06-21 (Saturday)	Session 6 Dr. Harold D'Costa “Cyber Crime and Cyber Security”	<ul style="list-style-type: none"> ▪ Categories of Cyber Crime ▪ Cyber Threats Evolution ▪ Prevention and Security ▪ Hacking and software piracy



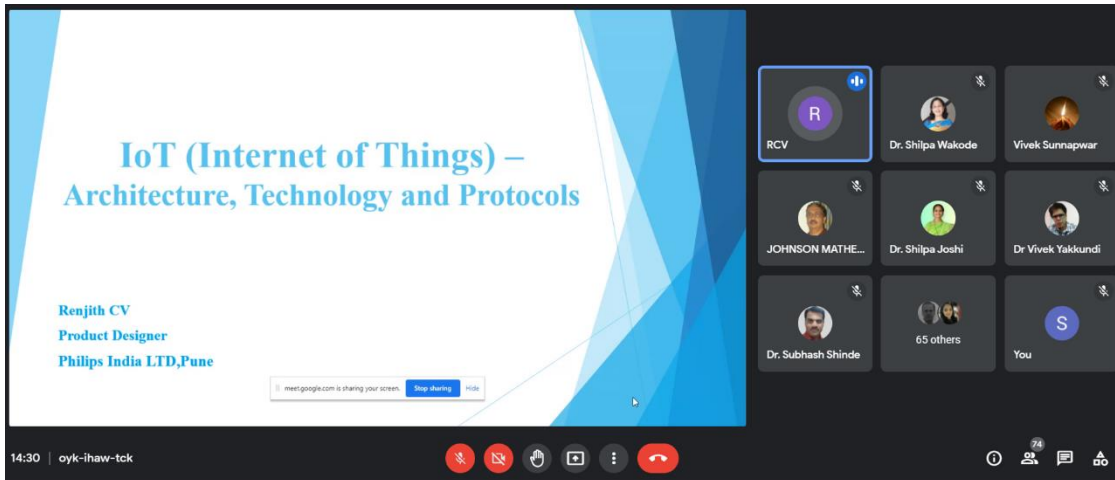
Lokmanya Tilak Jankalyan Shikshan Sanstha's
Lokmanya Tilak College of Engineering
 Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai



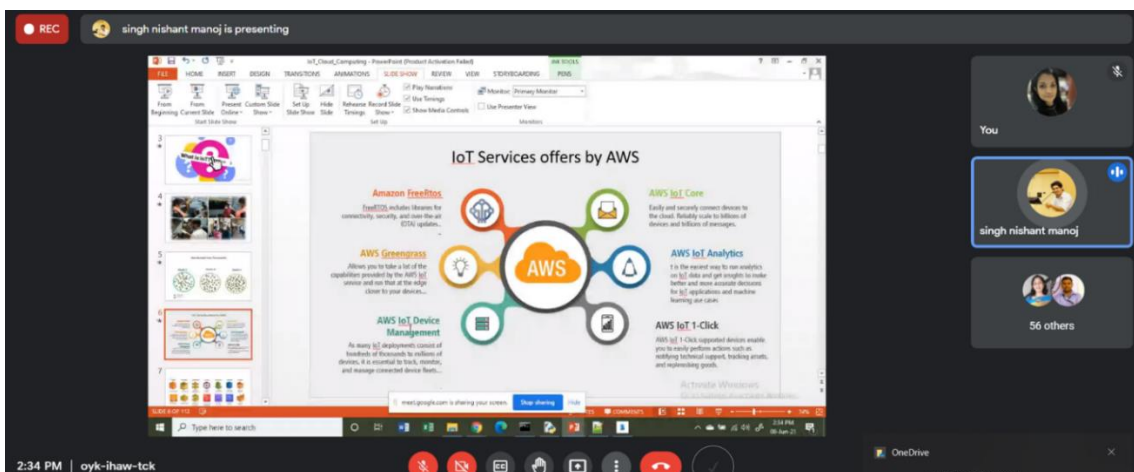
(Approved by AICTE, Affiliated to University of Mumbai, & Accredited by NAAC)

Online FDP Pics:

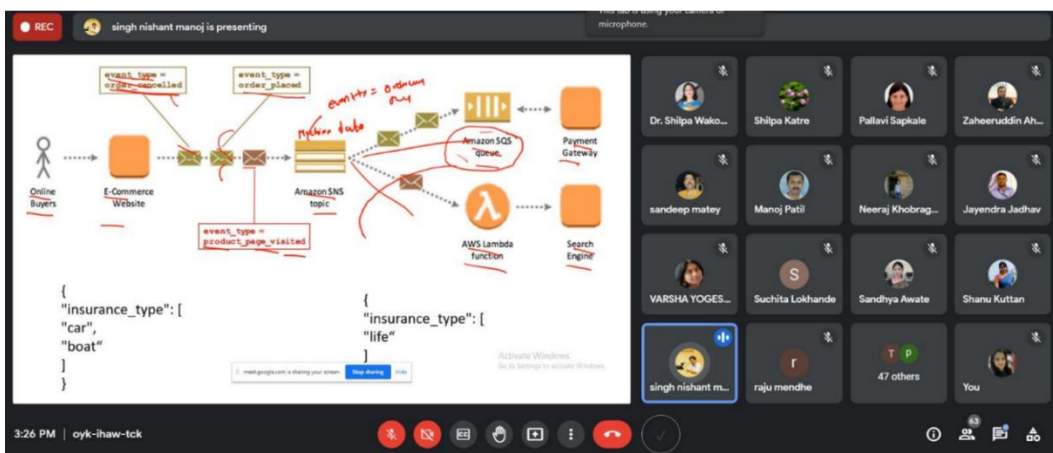
Day 1 : IoT Architecture



Day 2 : IoT using Amazon Web Services



Day 3: Hands on Training Session – Integrating different services of AWS





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Day 4: Cyber Security

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "How TOR works". The slide content includes:

- How Tor Works**
- A diagram showing a path from Alice to Bob through several relay nodes. Green arrows represent encrypted links, and red arrows represent unencrypted links.
- Text: "Alice's Tor client picks a random path to destination server. Green links are encrypted, red links are in the clear."
- Legend: Tor node, unencrypted link, encrypted link.
- Participants: Alice, Jane, Bob.

The Zoom interface shows a grid of participants including Technophyle Ahmed, Dr. RAVISHANKAR, Dr. Sheeba P. S., Dr. Shilpa Wakode, Zaheeruddin Ahm..., Nitin Chawande, SANDEEP WAMAN..., 43 others, and You. The time is 2:55 PM and the meeting ID is oyk-ihaw-tck.

Day 5: Drones - Technology and Applications

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "UAV Categories". The slide content includes:

- A graph plotting Altitude/Range (Y-axis) against Weight (X-axis).
- Four categories of UAVs are shown: Nano, Micro, Tactical UAVs, and MALE UAVs.
- Images of each UAV type are provided.
- Page 3, 11 June 2021, EY logo.

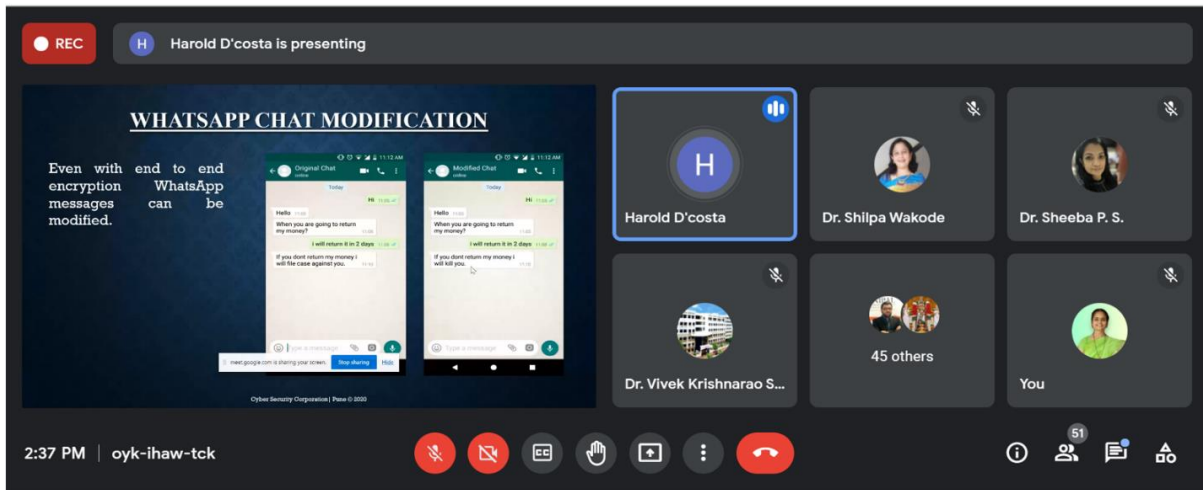
The Zoom interface shows a grid of participants including Shrikant Thakker, raju mendhe, Dr. Vivek Yakkundi, Dr. Shilpa Wakode, srichandan konda..., Sandhya Awate, Pallavi Sapkale, Aasha, Shital Patil, Prashant Ahire, 41 others, and You. The time is 2:21 PM and the meeting ID is oyk-ihaw-tck.

Day 6: Cyber Crime and Cyber Security

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Session 6: Eminent Speaker of FDP Dr. Harold D'Costa". The slide content includes:

- Session 6: Eminent Speaker of FDP**
- Dr. Harold D'Costa**
- Key roles: CEO-Intelligent Quiscent Security System (IQSS), President-Cyber Security Corporation, Advisor-Law Enforcement Agencies (Cyber Crime), Sr. Consultant & Trainer (CRI & District Court Judges).
- BRIEF PROFILE:**
- IQSS featured in top 10 cyber security company in the country in matters related to Cyber Security, Cyber Forensics, Cybercrime Investigation and Digital Evidence.
- International Trainer on Cyber Crime Investigation and Digital Forensics.
- Worked on more than 6,000 cases of cybercrime from 7 countries and trained more than 40,000 cops and about 8,500 judges and public prosecutors in Cyber Forensics, Cyber Law, Digital Evidence and Cybercrime Investigation.
- Was a resource person in 26 International Conferences and was also part of global Cyber Security summit in India.
- A regular writer in leading newspaper and an expert in cyber security in various TV channels.
- Had the distinction to train Bangladesh, Sri Lanka, Myanmar Judges on Cyber Forensics organised by National Judicial Academy.
- 12-09-2021

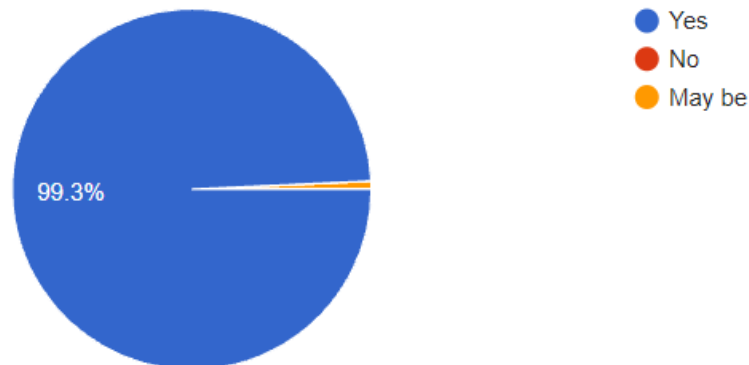
The Zoom interface shows a grid of participants including Dr. Vivek Kristnar..., Dr. Shilpa Wakode, Dr. Shilpa Joshi, Jarabala Ranga, shaila pawar, JOHNSON MATHE..., Dr. Manoj Dongre, Nilima Dongre, Md Haneef, srichandan konda..., 28 others, and You. The time is 2:09 PM and the meeting ID is oyk-ihaw-tck.



Participant's Feedback Analysis:

Do you find this FDP useful to fulfill your professional and personal objectives

137 responses





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CHIEF PATRONS

Dr. Satish Chaturvedi
Chairman, Lokmanya Tilak Jankalyan Shikshan Sanstha

Smt. Abha Chaturvedi
Secretary, Lokmanya Tilak Jankalyan Shikshan Sanstha

Shri Dushyant Chaturvedi
Director (IGB), Lokmanya Tilak Jankalyan Shikshan Sanstha

PATRON

Dr. Vivek K. Sunnapwar
Principal, Lokmanya Tilak College of Engineering

CONVENER

Dr. Subhash K. Shinde
Vice Principal, Lokmanya Tilak College of Engineering

COORDINATORS

Prof. R. D. Gawali
Head, Department of Computer Engineering

Dr. Monika V. Mangla
Head, Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning)

Dr. Jyoti S. More
Head, Department of Computer Science and Engineering (Data Science)

RESOURCE PERSONS



DR. DEEPAK GANG
HOD AND PROFESSOR,
COMPUTER SCIENCE
ENGINEERING, BENNETT
UNIVERSITY, GREATER NOIDA



DR. ARUN KULKARNI
HOD AND ASSOCIATE
PROFESSOR IN IT DEPT.,
THADODSAL, SHARDA
ENGINEERING COLLEGE,
MUMBAI



DR. U.V. KULKARNI
PROFESSOR OF COMPUTER
SCIENCE & ENGG., SGGGS
INSTITUTE OF ENGINEERING
AND TECHNOLOGY, NANDED



DR. SURYA S. DURBHA
PROFESSOR IN CSRE,
ITB, MUMBAI



MR. BISWAJIT NAYAK
DIRECTOR, ADVANCED
ANALYTICS AND DATA
SCIENCE, GRID ANALYTICS
INDIA PVT. LTD.

**LOKMANYA TILAK COLLEGE
OF ENGINEERING, NAVI MUMBAI**



Organizes an Online Faculty
Development Programme

JOINTLY UNDER IQAC ON

**TRENDS IN MACHINE
LEARNING AND DATA SCIENCE**

Department of Computer Engineering,
Department of Computer Science and
Engineering (AI-ML) and
Department of Computer Science and
Engineering (Data Science)

(28th - 30th JUNE 2021)

DEPARTMENT OF MECHANICAL ENGINEERING

NAAC CRITERIA 6.5.3

YEAR 2020-21

Conferences, Seminars, Workshops on quality conducted UNDER IQAC

- 1) 3 DAYS FACULTY DEVELOPMENT PROGRAM –ON Innovation enabling Industry 4.0 , 28th June 2021 to 30th June 2021



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<p>Chief Patron Dr. Shri Satish Jhantal Chaturvedi Smt Aksha Satish Chaturvedi Shri Dushyant Satish Chaturvedi</p> <p>Patron Dr. Vivek Sunnapwar</p> <p>Convener Dr. Vivek Vakkundi Dr. Chandrababu D. Dr. Kavita H. Bhanawade</p> <p>Organizing Committee Prof. Shweta Masey Prof. Sumita Ganjare Prof. Krishna Duvvedi Prof. Ajay Kashikar</p> <p>About the Institute The Lokmanya Tilak College of Engineering was established in 1994 named after the great freedom fighter and social reformer of India Lokmanya Tilak. The College approved by AICTE, New Delhi and Government of Maharashtra and is affiliated to the University of Mumbai. Within the span of 27 years since its inception, LTCE has grown leaps and bounds. The Institute is also accredited by NAAC and offers various courses at U.G., PG and PhD level. The Institute has Undergraduate Programmes in Mechanical Engineering, Computer Engineering, Electronics & Tele-communication Engineering and Electrical Engineering. Post graduate and Doctoral Programmes in Mechanical Engineering and Computer Engineering.</p> <p>About the Department The department of Mechanical Engineering was established in 1994, having illustrious history and offers Bachelor of Engineering, Master of Engineering and Doctoral degree programme. The department is vibrant with several activities round the year. We have research focus that benefits industry, society and the environment. The department is fortified with highly motivated faculty members, who besides their regular activities of teaching, do research and interact with industries. Facilities are actively involved in different sponsored projects funded by UOM, ICMR, SERB, ISHRAE, ASHRAE.</p>	<p>Technical Talk On</p> <ul style="list-style-type: none"> Emerging Technologies and Digital Disruption. Micro stereolithography and Bulk lithography for 3D Microfabrication IOT and Digital Twins Innovation Management Orientation to Design Thinking and Application Industry 4.0 <p>Resource Persons Eminent experts of Faculty Development Programme</p> <ol style="list-style-type: none"> Mr. Santosh Patil Customer Experience Consultant Tata Consultancy Services, Mumbai Prof. (Dr.) Kiran Bhole Department of Mechanical Engineering Sardar Patel College of Engineering, Andheri West, Mumbai Prof. (Dr.) Sahas P. Deshmukh Department of Mechanical Engineering Government College of Engineering, Karad Adv. Anand Mahurkar Legal Associate Krishna Sastrakriti Firms, Pune Mr. Saurabh Sinha Founder & Managing Partner REIN Lab, Navi Mumbai Mr. Vasant S. Jog Founder Leela Educational Society, Shahu, Karjat <p>Contact for any queries Prof. Ajay Kashikar +91 98 905 28775 ajaykashikar@lce.ac.in Prof. Krishna Duvvedi +91 98 337 83826 Krishna.duvvedi@lce.ac.in</p>	<p></p> <p>Online Faculty Development Programme On "Innovations Enabling Industry 4.0" Under Internal Quality Assurance Cell (IQAC)</p> <p>28th June 2021 – 30th June 2021 [Session 1 – 10:30 am to 12:00 pm] [Session 2 – 01:00 pm to 02:30 pm]</p> <p></p> <p>Organised by, Department of Mechanical Engineering LOKMANYA TILAK COLLEGE OF ENGINEERING Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai-400709. https://lce.ac.in/</p> <p>REGISTER NOW! https://forms.gle/ERW1Tva0ie3SMEFZG</p> <p></p> <p>QR Code for All Sessions </p> <p>WhatsApp QR Code </p>
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LIST OF PARTICIPANTS

FDP Registration on Innovations Enabling Industry 4.0 (Responses) - Excel (Product Activation Failed)

Timestamp	Email Address	Participant Name	Contact no	Name of Institute
6-26-2021 9:56:56	ranji.a.patil@nitinda.edu	Ranjit Anil Patil	8425077346	Rajarambapu Institute of Technology
6-26-2021 10:05:01	sachinvarjan@rediffmail.com	Sachin Vilas Varjan	9422389062	S.S.P.M.C.O.E
6-26-2021 10:12:16	prathameshchoughule2@gmail.com	Dr. Prathamesh P. Choughule	9376626233	Pujoy Gaudhi Institute of Technology
6-26-2021 10:27:59	shiv_konade@rediffmail.com	Shivnand Eshwarbhanekar Konade	9898978881	O.V. Acharya college shahu Mumbai
6-26-2021 10:31:07	pramodbagade@gmail.com	Pramodkumar Manikrao Bagade	9075279575	PVPIIT, Pune
6-26-2021 10:34:56	ysmore83@gmail.com	Yogesh Sampat More	9850990029	Sardar Patel College of Engineering, Andheri, Mumbai
6-26-2021 10:43:45	pradeeps.yadav1990@gmail.com	Pradeep Samarath Yadav	9830208182	MH Saboo Siddh College of Engineering
6-26-2021 10:59:28	jiteshbhagat3@gmail.com	Jitesh Ganpat Bhagat	9604297491	GMWIT Talas
6-26-2021 11:00:07	keedrao@lce.ac.in	Vishnu Subhash Kende	9429676707	Lokmanya Tilak College of Engineering
6-26-2021 11:30:44	maqab01@rediffmail.com	Mohammed Aqal	9323955601	MHSSCOE MUMBAI
6-26-2021 11:54:17	krunals7mudafale@gmail.com	Krunal Mudafale	9885033366	PCCS Nagpur
6-26-2021 12:04:42	mha27mba@gmail.com	Ehavi A Modi	9730804887	SURITCE, Mira Road
6-26-2021 12:04:51	khanwasim243@gmail.com	Mohammed Wasim Khan	9879278895	Theem Coe
6-26-2021 12:09:01	patiln456@gmail.com	Lina Kunal Vaghade	7276767501	GE'S Sr Dr M S Gosavi Politechnic Institute Nashik Road Nashik
6-26-2021 12:10:06	amangulkat@gmail.com	Amol Laxman Mangrulkar	9695978982	Pujoy Gaudhi Institute of Technology
6-26-2021 12:28:52	shilpa.satre@vccomn.edu.in	Prof. Shilpa M. Satre	9870632732	Bharati Widespeeth College of Engineering Navi-Mumbai
6-26-2021 12:29:22	spsukumar@gmail.com	Sukumar P	9798623003	VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
6-26-2021 12:45:59	chetan.patil@siem.org.in	Chetan Ramesh Patil	7840805800	Sandip Institute of Technology and Research Centre Nashik
6-26-2021 12:59:33	kallasphalak@siem.org.in	Kallas Tukaram Phalak	9845454982	SIEM, Nashik
6-26-2021 13:00:52	mk6899@gmail.com	Mukesh Kumar	9072638223	Terna engineering college, Nerali Navi Mumbai
6-26-2021 13:06:10	vijaya.krishnamoorthy@gmail.com	Vijaya K	9467638778	Vidyal College of Engineering and Technology
6-26-2021 13:24:40	kkidkar@gmail.com	Dr. Kiran Katarum Jadhao	9502633992	Balasahab Nalk. College of Engineering Puzad
6-26-2021 13:48:04	Silaskar.satish@gmail.com	Satish Mahadeorao Silaskar	9798059584	NH-ITM Thane
6-26-2021 13:53:32	preetibagade10@gmail.com	Preeti Gaikwad- Bagade	9793430177	Symbiosis Institute of management
6-26-2021 14:54:52	vijaykme@gmail.com	Vijay Jeevash Kumar	9788975608	Lokmanya Tilak College of Engineering
6-26-2021 16:01:11	pranavone@nitm.ac.in	Pranav D Bone	9897017001	New Horizon Institute of Technology and Management, Thane
6-26-2021 16:09:30	mihandevale@gmail.com	Prof. Mihir Sheshrao Devale	9224327299	Lokmanya Tilak College of Engineering
6-26-2021 17:45:26	khushnanshiv@gmail.com	Mkhaokh Sakharan Bhutane	7927362395	Lokmanya Tilak College of Engineering

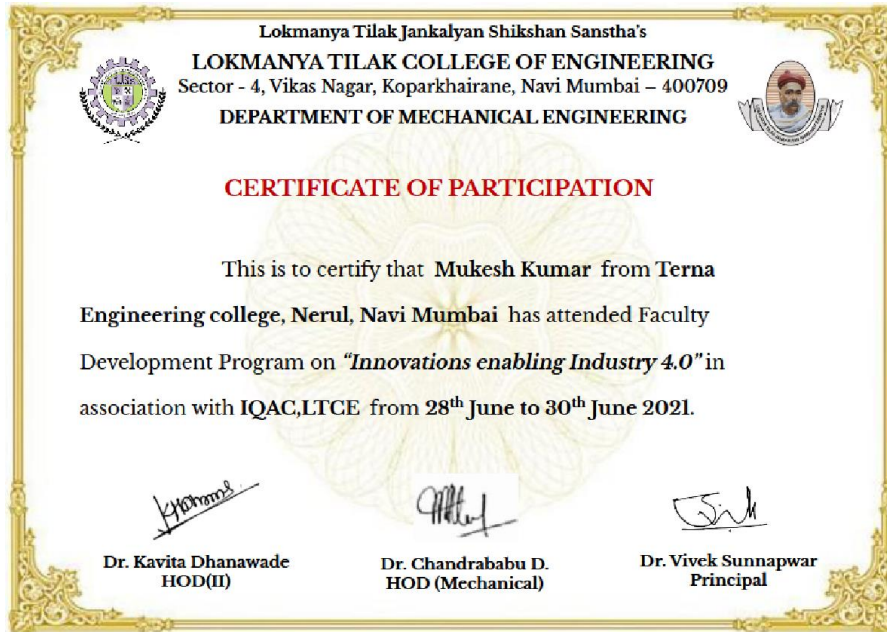


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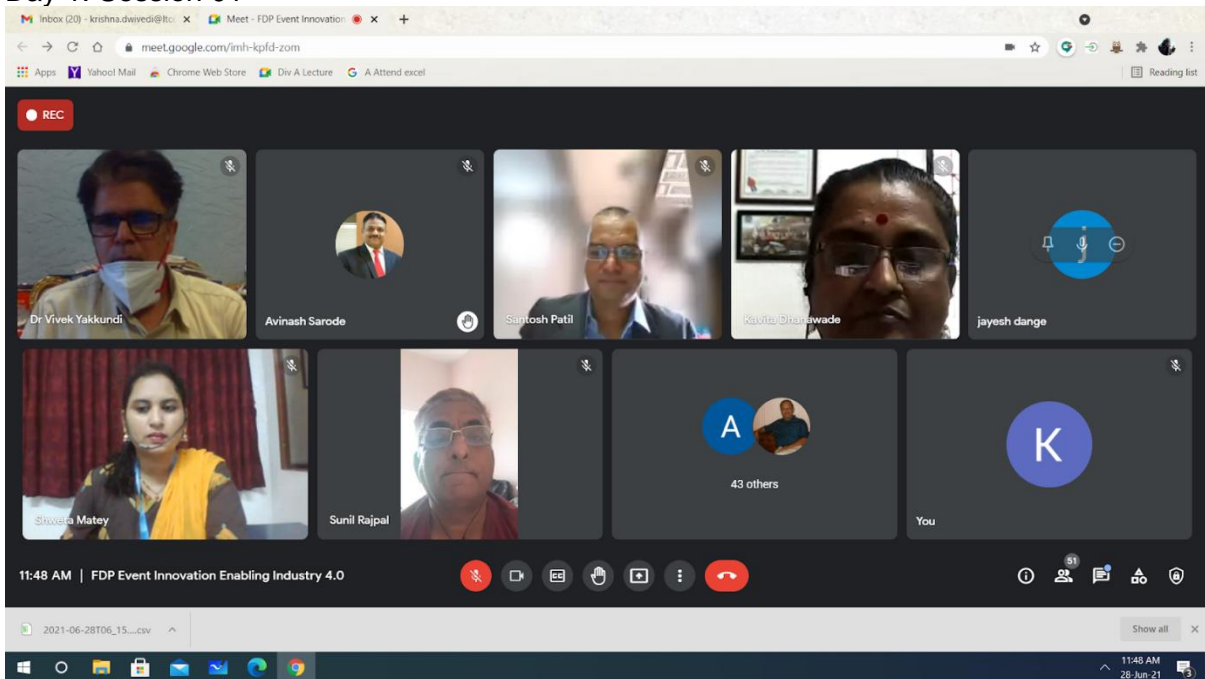


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SAMPLE CERTIFICATE



PHOTOS-
Day 1: Session 01





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Day 2 Session 2:

meet.google.com/inh-kpfd-zom

REC

Dr. Sunil Satav Anand Mahurkar Dr. Jayesh Dange Smita Ganjare Snehal Junnarkar

Mahadeo Lokhande Avinash Sarode 26 others You

2:03 PM | FDP Event Innovation Enabling Industry 4.0

29-Jun-21

Day 3 Session 1:

meet.google.com/inh-kpfd-zom?pli=1&authuser=1

REC Saurabh Sinha is presenting

rein labs
RESEARCH | INNOVATION | INCUBATION

Design Thinking in Education

meet.google.com is sharing your screen. Stop sharing Hide

Saurabh Sinha Mahadeo Lokhande Dr. Jayesh Dange

Dr. Vivek Yakkundi Shweta Matey Ajay Kashikar

04_Dhanashree D... 37 others You

11:23 AM | FDP Event Innovation Enabling Industry 4.0

30-Jun-21



Lokmanya Tilak Jankalyan Shikshan Sanstha's
Lokmanya Tilak College of Engineering
Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai



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The screenshot shows a Google Meet interface with a presentation slide. The slide title is "Main reasons for Industry 4.0" and features a bird icon. The slide content includes:

- 1. The background created by Industry 1.0, 2.0 and 3.0
- 2. Rapid progress of AI, Cloud, Big Data and Internet
- 3. Continuously decreasing manpower in Developed countries (Germany, Japan, European countries)
- 4. Getting work done through machines is therefore essential and unavoidable
- (India has 60 % population between 15 and 40) → Demographic dividend for some more years
- Increased usage of machines leads to increase in Quantity, Quality, Uniformity
- Machines do not get tired, No holidays, No overtime etc, No HR management issues, No Unions etc
- Robots are now more reliable, cheaper, Safe
- A Robot called 'Baxter' used to cost more than a crore. Now is available in less than 20 Lac

The meeting interface shows a grid of participants: Vasant Jog, Shweta Matey, Smita Ganjare, Kavita Dhanawade, Mahadeo Lokhande, Prathamesh Chou..., T Z QUAZI, 31 others, and You. The bottom status bar indicates "1:38 PM | FDP Event Innovation Enabling Industry 4.0".

UNIVERSITY OF MUMBAI
&
DEPARTMENT OF ELECTRONICS ENGINEERING,
LOKMANYA TILAK COLLEGE OF ENGINEERING

PRESENTS

Faculty Orientation Program on
ELC502 Digital Signal Processing

(Sem V CBCS Rev 2019 C-Scheme, Electronics Engineering)

Date: 28th July 2021
Time: 4:00pm
Online Platform: Google Meet

Registration Link:
<https://forms.gle/LdeTQ8HSsE66cSpaA>

Resource Persons:
Dr. Anjali Deshpande, Ex-HoD, VIT
Dr. Ashish Vanmali, VCET
Dr. Sheeba P. S., LTCE

E- Certificate will be provided to the attendees

Co-ordinators:
Dr. Sheeba P. S. (HoD)
9987086081
Dr. Shilpa Wakode
9869446344

Principal
Dr. Vivek Sunnapwar

Chairman, BoS, UoM
Dr. R. N. Awale



Lokmanya Tilak Jankalyan Shikshan Sanstha's
Lokmanya Tilak College of Engineering
Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai



(Approved by AICTE, Affiliated to University of Mumbai, & Accredited by NAAC)



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
LOKMANYA TILAK COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS ENGINEERING
On behalf of University of Mumbai



Welcomes all the Participants
for
Online Orientation Program
on

"ELECTRICAL NETWORK ANALYSIS & SYNTHESIS"
Sem III CBCGS Rev-2019 C-Scheme, University of Mumbai

17th July 2020



Sector 4, Vikas Nagar, Koparkhairane, Navi Mumbai - 400 709
Website : www.ltce.in Ph: 022 2754 1005/006



LTCE
Department of Electrical Engineering
invites you

**"Know your
Laboratories"**
**Faculty Development
Program**

on 12-07-22, 13-07-22 and 16-07-22

venue: Electrical Engg. Dept
Labs





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LOKMANYA TILAK COLLEGE OF ENGINEERING

Navi Mumbai,

Institution Innovation Council



in collabe with Project Deep Blue



organizes a Webinar
on,

**"Innovation Ideas to Solve Real
World Problem"**



Eminent Speaker:

Mr. Akhil Singhal

Program manager for Deep
Blue at Mastek

Date: 20th September 2021

Time: 11:00am to 12:00pm

Link: <https://tinyurl.com/5cpzvunk>

Prof Snehal Junnarkar
Innovation Activity
Coordinator

Dr. Rajeshree Shinde
IIC Convener

Dr. Subhash Shinde
Vice Principal,
IIC Vice President

Dr. Vivek Sunnapwar
Principal,
IIC President



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**Lokmanya Tilak College of Engineering,
Koparkhairane, Navi-Mumbai**



INSTITUTION'S INNOVATION COUNCIL

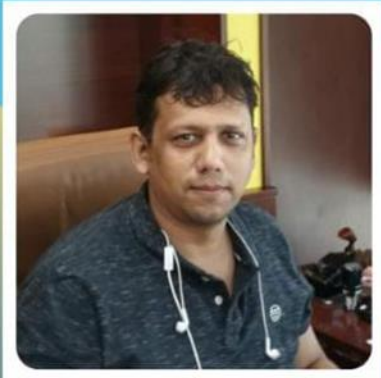


Organizes

A Seminar On

MY STORY - A MOTIVATIONAL SESSION BY SUCCESSFUL ENTREPRENEUR

BY



Mr. Kishoore Bakliwal

Business Head
iConnect Info Solutions Pvt. Ltd



22nd February 2022



11am - 12pm



C-310 LTCOE

Prof. Nimisha Shirbhate
IIC Activity
Coordinator

Dr. Rajeshree Shinde
IIC Convener

Dr. Subhash Shinde
Vice Principal,
IIC Vice President

Dr. Vivek Sunnapawar
Principal,
IIC President



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LOKMANYA TILAK COLLEGE OF ENGINEERING

Navi Mumbai



**Institution's Innovation Council
in collaboration with
CLEAR WATER RESEARCH & INFRA PVT. LTD**

organizes a Webinar
on,

"Enterprenuership skill development"



Eminent Speaker:

MR. Rahul Sonawane

- Founder managing director of clear water research and infra pvt. Ltd
- Master's In environmental science & technology from Birmingham University, U.K



: Monday, 18th October 2021



: 11:00 am to 12:00 pm

LINK: <https://meet.google.com/fzc-haqj-mhz>

Prof. KahKashan
Siddavatam
IIC social media
Coordinator

Dr. Rajeshree Shinde
IIC Convener

Dr. Subhash Shinde
Vice Principal,
IIC Vice President

Dr. Vivek Sunnapawar
Principal,
IIC President



Lokmanya Tilak Jankalyan Shikshan Sanstha's

Lokmanya Tilak College of Engineering

Sector-4, Vikas Nagar, Koparkhairane, Navi Mumbai

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LOKMANYA TILAK COLLEGE OF ENGINEERING

NAVI MUMBAI



**Institution's Innovation Council
organizes a workshop
on**

**“ACHIEVING PROBLEM SOLUTION
FIT & PRODUCT MARKET FIT”**



GUEST SPEAKER:

MR. SAGAR CHANDNI

Head of Incubation & Start up
engagement, Center for Incubation &
Business Acceleration, Mumbai



SATURDAY, 19TH FEBRUARY, 2022



02:30 PM - 03:30 PM

LINK : <https://meet.google.com/ver-odch-ayn>

Preeti kesarwani

STARTUP MEMBER

Somesh shukla

STARTUP MEMBER

Samiksha bhoir

STARTUP MEMBER

Dr. Rajeshree Shinde

IIC Convener

Dr. Subhash Shinde

**Vice Principal,
IIC Vice President**

Dr. Vivek Sunnapwar

**Principial,
IIC President**



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LOKMANYA TILAK COLLEGE OF ENGINEERING

NAVI MUMBAI



INSTITUTION'S INNOVATION COUNCIL

Organised Webinar

on

“MY JOURNEY OF ENTREPRENEURSHIP”



GUEST SPEAKER:-

MR. BHUSHAN ANDHALE

Director “Credency Enterprises Pvt. Ltd.”



: FRIDAY, 21ST JANUARY 2022



: 03:00 PM TO 04:00 PM

LINK: [HTTPS://MEET.GOOGLE.COM/HPD-MQCF-CMY](https://meet.google.com/HPD-MQCF-CMY)

Somesh Shukla

IIC Social media
Co-ordinator

Samyakta Patil

IIC Social media
Co-ordinator

Sarvesh Lanjekar

IIC Social media
Co-ordinator

Prof. Ujwala Pandharkar

Innovation Ambassador &
IIC Activity Coordinator

Dr. Rajeshree Shinde

IIC Convener

Dr. Subhash Shinde

Vice Principal,
IIC Vice President

Dr. Vivek Sunnapawar

Principal,
IIC President



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LOKMANYA TILAK COLLEGE OF ENGINEERING

Navi Mumbai



**Institution's Innovation Council
in collaboration with Rein labs**

organizes a Webinar
on,

**"Validating Innovative Ideas &
Funding for budding Entrepreneurs"**



Eminent Speaker:

MR. SAURABH SINHA

Founder & Managing Partner REIN Labs



: Tuesday, 5th October 2021



: 06:00 pm to 07:00 pm

LINK: <https://meet.google.com/owj-ngfn-uy>

Dr. Shilpa Wakode
IIC Activity
Coordinator

Dr. Rajeshree Shinde
IIC Convener

Dr. Subhash Shinde
Vice Principal,
IIC Vice President

Dr. Vivek Sunnapawar
Principal,
IIC President



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LOKMANYA TILAK COLLEGE OF ENGINEERING

NAVI MUMBAI



**Institution's Innovation Council
organizes a workshop
on
"Process of Innovation
Development & Technology
Readiness Level (TRL)"**



GUEST SPEAKER:

TANUSHREE ISHANI DAS

**Founder of BodyCafé.in,
Finance/Business
Analyst, Special Educator.**



FRIDAY, 18TH FEBRUARY, 2022



06:30 PM - 07:30 PM

LINK : <https://meet.google.com/kzw-eetk-xsk>

Kalyani Singh

Startup Member

Shubham Deokar

Startup Member

Sayantan Kar

Startup Member

Dr. Rajeshree Shinde

IIC Convener

Dr. Subhash Shinde

**Vice Principal,
IIC Vice President**

Dr. Vivek Sunnapwar

**Principal,
IIC President**



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LOKMANYA TILAK COLLEGE OF ENGINEERING

NAVI MUMBAI



**Institution's Innovation Council
organizes a workshop
on**

**“DESIGN THINKING,
CRITICAL THINKING &
INNOVATIVE DESIGN”**



GUEST SPEAKER:

Prof. (Dr.) CHIRAG S. THAKER

**PROFESSOR AND HOD,
COMPUTER ENGINEERING DEPARTMENT
GOVERNMENT ENGINEERING COLLEGE,
RAJKOT, GUJRAT**



FRIDAY, 28TH JANUARY, 2022



01:00 PM - 02:30 PM

LINK : <https://meet.google.com/pwt-skei-koe>

Prathamesh Tamanekar

**Internship
Coordinator**

Dr. Rajeshree Shinde

IIC Convener

Sarvesh Lanjekar

**Social Media
Coordinator**

Dr. Subhash Shinde

**Vice Principal,
IIC Vice President**

Samyakta Patil

**Social Media
Coordinator**

Dr. Vivek Sunnapwar

**Principial,
IIC President**



Lokmanya Tilak Jankalyan Shikshan Sanstha's

Lokmanya Tilak College of Engineering

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LOKMANYA TILAK COLLEGE OF ENGINEERING

NAVI MUMBAI



**Institution's Innovation Council
has organized a workshop
on**

***"PROBLEM SOLVING AND
IDEATION"***



**GUEST SPEAKER
PROF. CHIRAG S. THAKER**

**PROFESSOR AND HOD- COMPUTER
ENGINEERING DEPARTMENT
GOVERNMENT ENGINEERING COLLEGE
RAJKOT, GUJARAT**



SATURDAY, 15TH JANUARY, 2022



1:00 PM - 2:00 PM

**Open to only First 100 attendees*

LINK:-meet.google.com/xjc-mnbr-bso

Akanksha Rai
Innovation
Coordinator

Harshad M
Innovation
Coordinator

Atharva Wagh
Startup
Coordinator

Mohammad Asib
Startup
Coordinator

**Dr. Rajeshree
Shinde**
IIC Convener

**Dr. Subhash
Shinde**
Vice Principal,
IIC Vice President

**Dr. Vivek
Sunnapwar**
Principal,
IIC President



Date- 03/07/2021

Minutes of First Meeting of IQAC (2021-22)

No- IQAC/01/2021-22

Meeting Agenda: Discussion of IQAC activities for SH2021 and FH2022

Meeting Schedule: Saturday,03/07/2021, 05.00 pm

Meeting Convener: Dr. Vivek Sunnapwar

Meeting Facilitator: Dr. S. K. Shinde

The year 2020-21 was vibrant for IQAC since many of the initiatives/activities were carried out during this year. But the outbreak of COVID 19 Pandemic abruptly stopped the normal teaching, learning and assessment process and we were shifted to Online/hybrid teaching mode. The new committee of IQAC members were formed.

1. The meeting started with welcome note by Chairperson, Dr. Vivek Sunnapwar. He emphasised on the paradigm shift from offline to online/hybrid mode for teaching and administrative activities.
2. Dr. S. K. Shinde, IQAC Director / Coordinator, proposed the plan and strategies for the academic year. The emphasis was given on the online/hybrid mode adaptation of the teaching-learning paradigm, due to the pandemic situation.
3. As a regular practice, the academic calendar was proposed and the Institute level elective subjects were decided.
4. To enhance the teaching learning process, it was proposed to purchase new LCDs and smart boards.
5. Proposed to purchase 200 computers for the newly created branches Computer Science & Engineering with specialization in Data Sciences, Artificial Intelligence and Machine Learning and IoT & Cyber Security including Blockchain Technology.
6. Considering the outbreak of COVID 19 Pandemic, faculty members were motivated to organize Seminars/ Workshops/ FDPs/Guest Lecturers etc. in Online/hybrid mode. It was proposed to organize a lecture on NEP and also proposed to conduct the Annual National level project competition, Tantragnyan in online mode.
7. With the visualization of green campus initiative, it was decided to set up Synergy Sustainability cell.
8. It was decided that AQAR for the AY 2020-21 will be submitted in the month of December, and subsequently, all the Departments were directed to take the necessary steps to accomplish the task.
9. Meeting ended with formal vote of thanks by the IQAC Coordinator.

Following members were present for the meeting:

Sr. No.	Designation	Name
1	Chairperson	Dr. Vivek Sunnapwar
2	Director/Coordinator of IQAC	Dr. S. K. Shinde
3	Faculty Members	Dr. J J Dange, Dr. A D Sarode, Dr. Sheeba P. S., Dr. S. D. Dalvi, Dr. Chandrakant Wankhade, Dr. Ravindra Duche, Dr. Kavita Dhanawade, Prof. Rajendra Gawli, Prof. Dolly Boban, Dr. Prerana Shrivastava, Prof. Nandini Nag, Prof. Chitra Wasnik, Dr. Nitin Jain, Prof. Preethakumari
4	Management Member	Smt Sheetal Dushyant Chaturvedi
5	Administrative Officers	Mr. Pradip Nangarepatil, Mrs. Snehal Sawant
6	Local society/students/alumni Member	Miss. Rasika Satpute, Mr. Ramkrishna Gaikwad, Mr. Nitesh Gupta
7	Industry Member	Mr. Vishal Macey (Manager, Engineering Services-HPCL), Mr. Kamlesh Harhare (DGMMER, Oberoi Realty), Mr. K Jayarajan, (OS, Chairman-BARC Safety council)



Dr. S.K. Shinde
Director, IQAC



Dr. Vivek Sunnapwar

Chairperson
PRINCIPAL

Jkmanya Tilak College of Engineering
Sector -4, Vikas Nagar, Koparkhairane,
Navi Mumbai - 400 709.





Date- 04/01/2022

Minutes of Second Meeting of IQAC (2021-22)

No- IQAC/02/2021-22

Meeting Agenda: Planning for Even Semester & SSR preparation

Meeting Schedule: Tuesday, 04/01/2021, 2:30 pm

Meeting Convener: Dr. Vivek Sunnapwar

Meeting Facilitator: Dr. S K Shinde

The meeting started with welcome note by Chairperson, Dr. Vivek Sunnapwar. He congratulated the Examination section and all the Departments for conduction of online examination smoothly. Further he communicated the agenda of the meeting as the planning for the Even semester and SSR preparation for NAAC cycle 2.

Following points were discussed and decisions were taken:

1. Dr. S. K. Shinde, IQAC Director / Coordinator, proposed the plan and strategies for the academic year. He proposed to continue with the hybrid mode for the teaching learning process until further order.
2. One of the major achievements of IQAC was the successful conduction of the Online Oral and Theory examination, Annual Assessments etc, according to the guidelines of the University, without any major glitches.
3. The AQAR for the AY 2020-21 was submitted in the month of December successfully. The continued OBE process was proposed to be continued as a regular practice. It was proposed to submit the AQAR for AY 2021-22 by the month of December. Action plan for NAAC cycle 2 was discussed and it was decided to submit the IQA by June. Proposed to conduct a session on new framework for the online A & A process. Planned to submit the proposal for financial grant from NAAC for organizing a workshop on NEP.
4. Purchase of equipment & Laboratory development were planned. The efforts made by institution are appreciable in purchasing the new equipment for various laboratories of the newly formed departments.
5. New LCDs and computers were purchased anticipating the starting of offline lectures and

practical from the month of February. Recruitment of faculty members as per the teaching load was also planned.


6. It was proposed to organize activities like blood donation, cleanliness drive etc through the NSS unit of the institute.
7. New committee for Institute Innovation Cell was formed and planned to organize various activities under it.
8. Institute has proposed to increase the intake of students for the branch Computer Science & Engineering (Artificial Intelligence & Machine Learning).
9. Proposed a budget of 8.5 Lakhs for conduction of the annual festival of the institute, Zephyr.
10. Looking at the energy scenario, students were encouraged to do the energy audit to make them aware about the importance of saving energy.
11. Meeting ended with formal vote of thanks by the IQAC Coordinator.

Following members were present for the meeting:

Sr. No.	Designation	Name
1	Chairperson	Dr. Vivek Sunnapwar
2	Director/Coordinator of IQAC	Dr. S. K. Shinde
3	Faculty Members	Dr. J Dange, Dr. A D Sarode, Dr. Sheeba P. S., Dr S. D. Dalvi, Dr. Chandrakant Wankhade, Dr. Ravindra Duche, Dr. Kavita Dhanawade, Prof. Rajendra Gawli, Prof. Prof. Dolly Bohan, Dr. Prerana Shrivastava, Prof. Nandini Nag, Prof. Chitra Wasnik, Dr. Nitin Jain, Prof. Preethakumari
4	Management Member	Smt Sheetal Dushyant Chaturvedi
5	Administrative Officers	Mr. Pradip Nangarepatil, Mrs. Snehal Sawant
6	Local society/students/alumni Member	Miss. Rasika Satpute, Mr. Ramkrishna Gaikwad, Mr. Nitesh Gupta
7	Industry Member	Mr. Vishal Matey (Manager, Engineering Services-HPCL), Mr. Kamlesh Harbure (DGMMEP, Oberoi Realty), Mr. K Jayrajan. (OS, Chairman-BARC Safety council)


Dr. S.K. Shinde
Director, IQAC




Dr. Vivek Sunnapwar

Chairperson
PRINCIPAL

Lokmanya Tilak College of Engineering
Sector -4, Vikas Nagar, Koparkhairane,
Navi Mumbai - 400 709.


Action Taken Report of IQAC (2021-22)

Agenda	Action Taken
Preparation of Academic Calendar	Academic Calendar prepared and displayed on institute website
Purchase of new LCDs	Purchased 17 LCDs
Purchase of 200 Computers & setting up of new labs	Purchased 200 computers for the augmentation of infrastructure facilities of labs.
To organize webinars, workshops, FDPs etc	Organised various webinars, workshops, FDPs etc for the benefit of faculty members and students
To submit AQAR for AY 2020-21 in the month of December	Submitted AQAR for AY 2020-21 on 21 st December 2021.
To organize a session on NEP	A session on NEP was delivered by Dr. Nanoti
To conduct a session on new framework for online A & A process	A session on guidelines for new framework for online A & A process was delivered by Dr. Sheeba P. S.
Recruitment of faculty members	New faculty members were appointed as per the teaching load.
To organize activities like blood donation, cleanliness drive etc through the NSS unit of the institute.	Blood donation camp and cleanliness drive was organized by the NSS unit
To conduct the Annual National level project competition, Tantragaan in online mode.	Successfully conducted Tantragaan in online mode.
To setup Synergy Sustainability Cell	Synergy Sustainability Cell was set up on World Meteorological Day.
To organize various activities under IIC of the institute.	Various workshops, seminars, SIH, project competitions etc were organized under IIC.
To increase the intake of students for the branch Computer Science & Engineering (Artificial Intelligence & Machine Learning)	AICTE approved the increase in intake (additional 60 seats) for CSE(AI&ML) branch.
Conduction of the annual festival of the Institute, Zephyr.	The annual festival, Zephyr was conducted successfully.
Energy audit by the students	Students successfully performed the energy audit.
To submit the proposal for financial grant from NAAC for organizing a workshop on NEP.	Received a grant of Rs. 30,000 from NAAC for organizing a workshop on 'Academic Challenges towards implementation of NEP in HEI's'.


 Dr. S.K. Shinde
 Director, IQAC


 Dr. Vivek Sunnapwar
 Chairperson