



**Acceptance form for Collaborative Research
Innovation Project under TEQIP-III**

TEQIP-3

1. With reference to the Approval Letter (DBATU/REG/TEQIP-III-26/2018-19), I hereby accept to conduct research activity under the category:

- Summer/Winter Internship for UG/PG students (SWI) (for max 4 weeks)
- Competitive UG/PG Project (CP) (for max 1 year)
- Joint PhD/MTech Guidance (JG)
- Collaborative Research Innovation Project (CRIP)

2. The research project is not being supported by any other funding agency.

3. The terms and conditions related to the grant are acceptable to me.

4. The date of implementation of the project is 31/7/2019

Title of the Project: Recovery of glycerol from biodiesel production to enhance Socio-economic feasibility leading to reduction in pollution & public health assurance.

Duration: From 30 July 2019 to 30 September 2020 under TEQIP III.

We are fully conversant with the 'Guidelines' put up on the DBATU website regarding conduct of the CRIP. We will execute the project strictly adhering to TEQIP III & Institute guidelines. We will submit financial report/attendance certificate/research report/copy of publications/audit report/utilization certificate duly signed by CA etc. as per the norms and guidelines within 30 days after the completion of the collaborative research.

Signature (PI) [Signature]
Name: Prof. V.S. Pahl
Date: 26/7/2019

Signature of Dept.-coordinator (DC) [Signature]
Name: Prof. V.S. Pahl
Date: 26/7/2019

Signature and Seal of the Principal/Director [Signature]
Name: Dr. D.V. Ghewade
Date: 26/7/2019

For use at DBATU-TEQIP III office

Signature (DBATU-TEQIP Office)

Signature IPD, TEQIP III

TEQIP-III Programme

STATEMENT OF EXPENDITURE

Sanction Order/Letter : 29/05/2019 / DBATU/REG/TEQUIP-III/2018-19/446

Title of the Project: Recovery of Glycerol from Biodiesel production to enhance socio economical Feasibility Leading to Reduction in Pollution and Public Health Assurance.

Name of the Principal Investigator: Unmesh S. Patil

<u>Sanction No. and Date</u>	<u>Grant Sanctioned</u>	<u>Details of expenditure Incurred Item wise</u>	<u>Amount Sanctioned Rs. (in each head)</u>	<u>Amount expenditure Incurred RS</u>	<u>Duration of the Programme (with dates)</u>
774 (17/12/2020)	93000/-	1. Travel Grant	25000/-	5500/-	June 2019 to 31 March 2021
		2. Publication/Registration Fee	25000/-	Nil	
		3. Consultancy/ Testing and Analysis/ CA charges	25000/-	Nil	
		4. # Procurement of Hardware/Software	215000/-	259600/-	
		5. Consumables	10000/-	67012/-	
		Total	300000/-	342112/-	
Grant Received	300000/-				


(1) Unmesh S. Patil
Name and Signature of
Principal Investigator

(2) Dr. D.V. Ghewade
Name and Signature of
Head of Institution with
Seal

(3) Dr Yogesh Mahajan
Name and Signature of co-Investigator


(4) Signature of Chartered
Name of Chartered Accountant:



Membership No:
Rubber
stamp: Full
Address:
Date:


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International Conference on Intelligent Human Computer Interaction
IHCI 2020: Intelligent Human Computer Interaction pp 3–11

A Two-Systems Perspective for Computational Thinking

Arvind W. Kiwelekar , Swanand Navandar & Dharmendra K. Yadav

Conference paper | First Online: 06 February 2021

551 Accesses | **1** Citations

Part of the Lecture Notes in Computer Science book series
(LNISA, volume 12615)

Abstract

Computational Thinking (CT) has emerged as one of the vital thinking skills in recent times, especially for Science, Technology, Engineering and Management (STEM) graduates. Educators are in search of underlying cognitive models against which CT can be analyzed and evaluated. This paper suggests adopting Kahneman's two-systems model as a framework to understand computational thought process.

Kahneman's two-systems model postulates that human thinking happens at two levels, i.e. fast and slow thinking. This paper illustrates through examples that


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or adopting Kahneman's two-systems perspective are that it helps us to fix the biases that cause errors in our reasoning. Further, it also provides a set of heuristics to speed up reasoning activities.

Keywords

Cognitive modelling Computational Thinking

Problem Solving

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References

1. Aho, A.V.: Computation and computational thinking. Comput. J. **55**(7), 832–835 (2012)


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Research Project under CRIP through TEQIP – III

Title of the Research Project : A Semi-Automatic Method for Segmentation of Tumors from MR Images of the Human Brain

Name of the Institute : Arvind Gavali College of Engineering, Satara, India

Principal Investigator : Dr. Gayatri S. Mirajkar
Email: gayatrimirajkar@gmail.com
Mobile: +91 9860361553

Co-Investigator : Dr. S. B. Deosarkar
Email: sbdeosarkar@dbatu.ac.in
Mobile: +91 9423140516

Abstract

The aim of the research project is to propose forth a unique approach for the segmentation of tumors from MR (Magnetic Resonance) images of the human brain. The type of images chosen are spin-spin relaxation time (T2), spin-lattice relaxation time (T1), and proton density (PD) MR images. MR images have been chosen for the analysis because they are unique in the sense of the wealth of information contained in them. MRI is considered as the most suitable method for the detection of tumors or lesions in the human brain as it provides an excellent contrast between different tissues. An experienced radiologist can gain much insight by viewing the individual images that a scanner produces. Also, an important aspect of the radiologists' work is to segment out a specific region or volume of interest from such radiological images to locate the abnormal region.

The simplest methods of visual or qualitative segmentation are manual in their application. Often, the human interpreter is only interested in a portion of the acquired image. Software tools are provided for sculpting away extraneous or obscuring regions of a 2D cross-section, or outlining and selecting regions to be returned for closer inspection. The problem with manual segmentation is that interoperator variability can be quite large since there is no restriction in choosing the boundary of the tumor. The MRI scanner produces a large number of images at one time for one patient and also because it is a very difficult and time-consuming process, the need remains for automatic methods of segmentation as manual inspection of every image with a high-degree of accuracy is not possible every time.

When imaging a patient with a known or suspected brain tumor, the goals of the radiologist are to identify the lesion, provide a reasonable differential diagnosis, and guide further therapeutic interventions. As therapeutic options evolve, an additional role has been to monitor treatment efficacy, and guide newer, minimally invasive, and targeted treatments with the goal of minimizing morbidity. Segmentation of MR images is needed to extract a specific region or volume of interest. To simplify this problem, a semi-automatic method of segmentation of tumors from MR images has been proposed.



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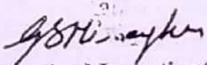
The research project achieves the following objectives:

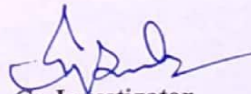
- The proposed algorithm achieves an effective segmentation of tumors from MR images of the human brain
- Effect of noise on the segmentation result is reduced significantly
- Effect of skull intensity during segmentation is significantly reduced.
- Construction of feature images from the selected significant images is achieved.
- Final segmented output is obtained as the tumor region and the surrounding edema from the obtained feature image

Outcomes Achieved:

- Purchase of MATLAB® version 9.7.0.1190202 (R2019b), dated 21st August, 2019
- Delivered expert lecture in AICTE sponsored Faculty Development Program on "Statistical Inference and Linear Algebra" conducted from 21st December to 25th December, 2019 at Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, India
- Conducted two days Faculty Development Program on, "Special Topics in Industry Applications," on 7th and 8th, January 2020 at Arvind Gavali College of Engineering, Satara, India
- Attended the online workshop on, "Academic Book Writing and Related Topics," organized by Springer Nature
- Proposal for Edited Book in the Book Series, "Advances in Smart Healthcare Technologies," by CRC Press. The proposed topics include the most recent advances in healthcare encompassing a variety of fields such as Blockchain Technology, Augmented Reality, Virtual Reality, Deep Learning, etc.
- Planning to conduct TEQIP 3 sponsored Three days Faculty Development Program on "Innovations and Current Practices in Biomedical Signal and Image Analysis"

Place: Satara
Date: 15/10/2020


Principal Investigator
Dr. Gayatri S. Mirajkar
Professor
Electronics and Telecommunication Engineering
Arvind Gavali College of Engineering
At Panmalewadi, Post. Varye, Satara
Pin: 415015


Co-Investigator
Dr. S. B. Deosarkar
Dr. B. A. T. U.
Lonere, Raigad


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Oficina 401 ext 2133, Edificio de Ingenierías Sector Tulcán
<http://www.unicauca.edu.co/doctoradoce/>

PREMIO AUIP 2020



Doctorado en Ciencias
de la
Electrónica

8.4.13- 92/045

16th April 2021

Prof. Dr. Arvind W Kiwelekar
Dr. Babasaheb Ambedkar Technological University
Lonere 402103 Raigad (MS)
India

Subject: Invitation to collaborate with joint research project

Dear Dr. Kiwelekar,

The goal of the collaboration is to realize several primary and secondary studies in the context of the universities and the software industry. You will be held in regular research committee meetings, provide advice and recommendations to research undertaken at our projects, and as an evaluator of Ph.D. candidates enrolled at our institutions.

The principal expected outcomes of this collaboration are achieving joint research publications and strengthen the cooperation among our institutions.

Looking forward to collaborating with you.

With best wishes,

Julio Ariet Hurtado Alegre
Coordinador Doctorado en Ciencias de la Electrónica
Oficina 401 Ext. 2133 - Edificio de Ingenierías Sector Tulcán

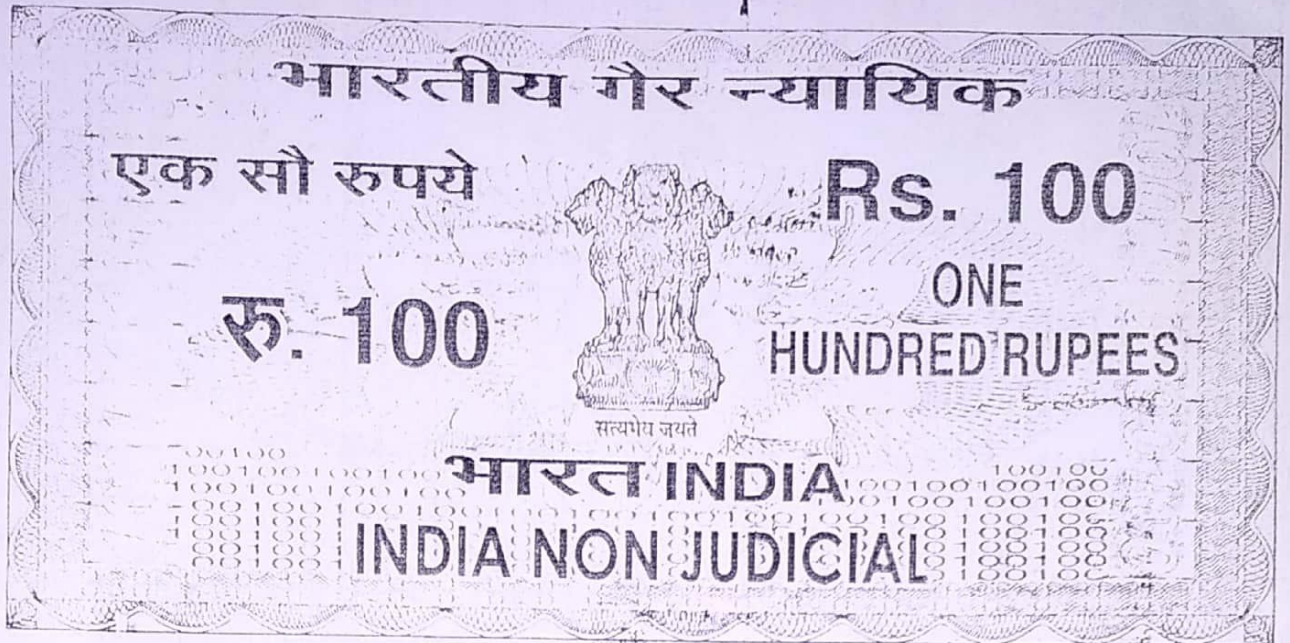
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Hacia una Universidad comprometida con la paz territorial



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decafiel@unicauca.edu.co www.unicauca.edu.co





महाराष्ट्र MAHARASHTRA

2019

VA 151677

प्रधान मुद्रांक कार्यालय, मुंबई
पंजीकरण क्र. 10000003
31 MAY 2019
सदस्य अधिकारी

श्री. सी. टी. आंबेकर

Memorandum of Understanding

This Memorandum of Understanding (MoU) is entered in to on this 27th day of Sept, 2019 between

Electronic Payment AND Services Private Limited a company incorporated and registered under the Companies Act, 1956/2013, having its registered office at Unit No. 302 & 303, 3rd floor, A-Wing, Supreme Business IT Park, Hiranandani Gardens, Powai, Mumbai-400076 (hereinafter referred to as **EPS** which expression shall unless repugnant to the context includes its permitted assigns and successors);

And

Dr. Babasaheb Ambedkar Technological University, having its head quarter at, Lonere Taluka, Mangaon, Dist. Raigad Maharashtra 402 103 (hereinafter referred to as **Partner/University** which expression shall unless repugnant to the context includes its permitted assigns and successors).



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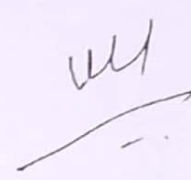
EXHIBIT A

1. EPS, to conduct an elective course/program related to payment systems through onsite lectures and pre-recorded videos to the Partner's Bachelor of Technology 3rd and 4th year students and other streams of University as mutually agreed.



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A handwritten signature in blue ink, consisting of stylized, cursive letters.

A
workshop Report
On
'Process Safety & Loss Prevention'

Organized by



Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere
Under the aegis of TEQIP III

Duration: 5 days

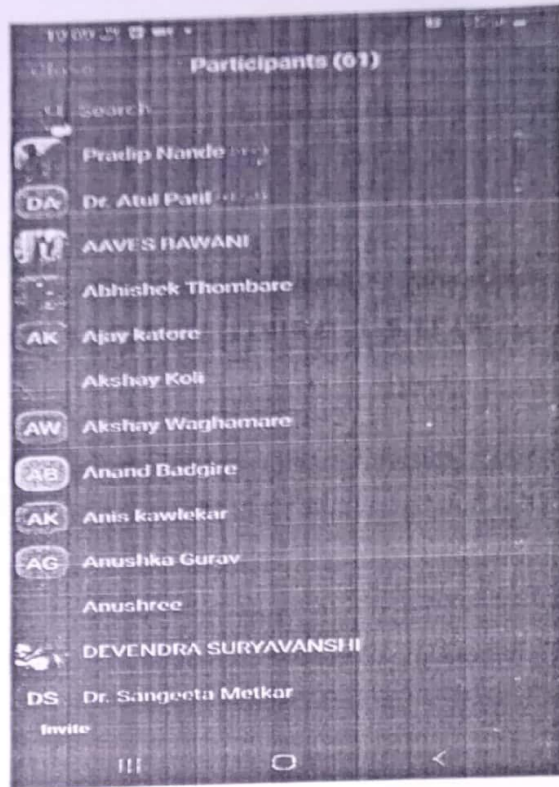
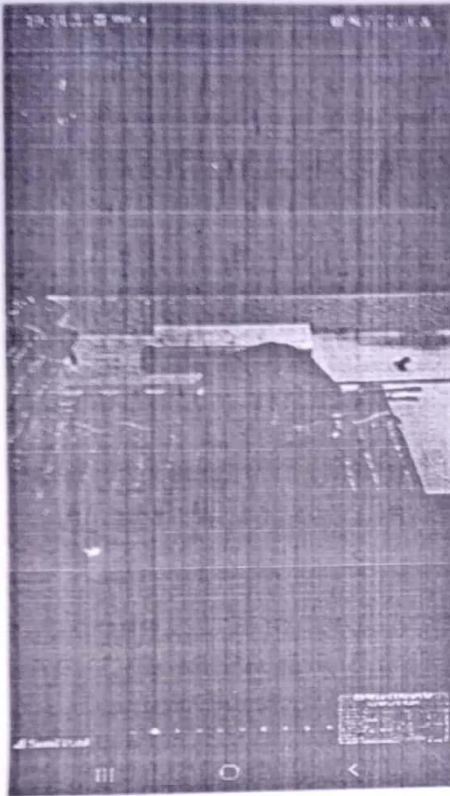
Dates: 17 to 21 February 2021

Venue: online

Target Audience: Third year and Final year B.Tech.
Petrochemical Engineering Students & faculties of the department

Speaker: Miss Jayshree Kumar Deshpande

Workshop Co-ordinator: Dr. S. S. Metkar & Prof. L. Y. Rawoot



Co-ordinator

Padhwal

(Prof. Jadhav H.R.)

S. S. Metkar
Dr. S. S. Metkar

Department of ...
Dr. Babasaheb Ambedkar Tech. Univ.
LONERE RAIGAD



S. S. Metkar
Head of Department
(Dr. S. S. Metkar).

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A
Workshop Report
On
“Process Engineering”
Organized by



Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere
Under the aegis of TEQIP III

Duration: 5 days

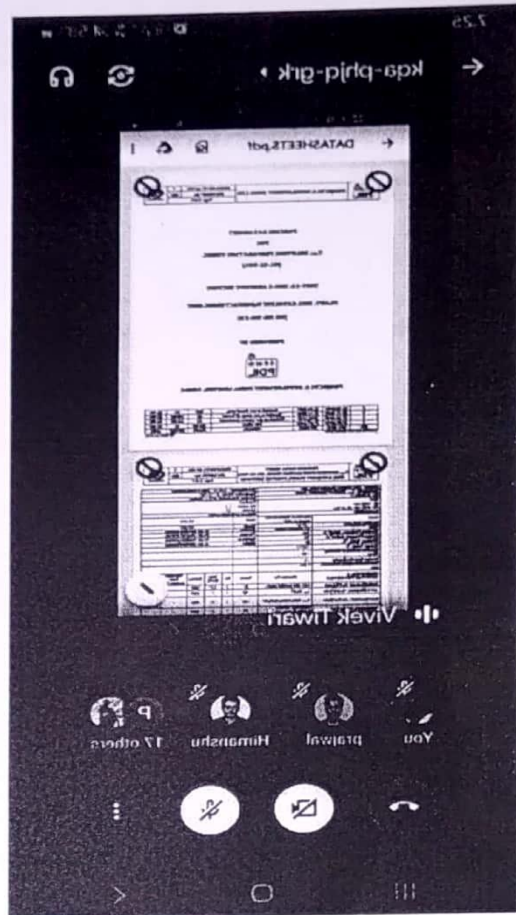
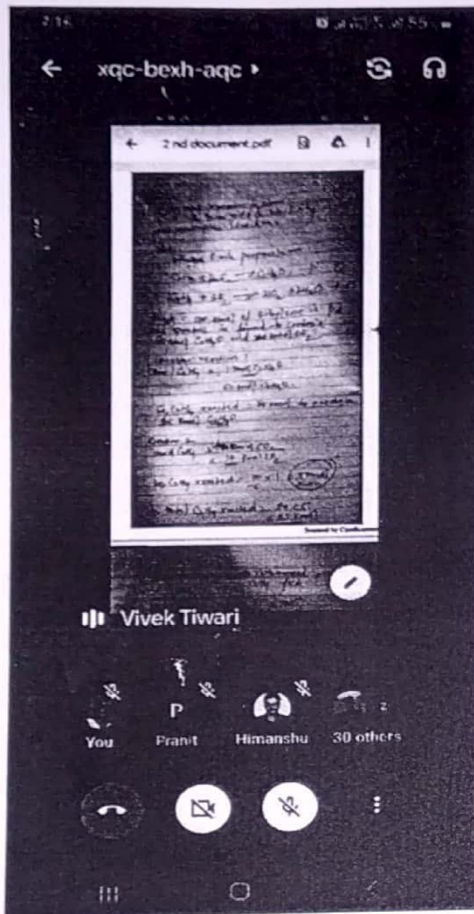
Dates: 08th to 12th March 2021

Venue: Online

Target Audience: B. Tech. Petrochemical Engineering Students.

Speaker: Mr. Vjvek Tiwari, Partner & Director, Cproc Consultant

Coordinator: Dr. S. S. Metkar & Dr. D. M. Pawar



D. Pawar
 (Dr. Dipali Pawar)
 Co-ordinator

S. S. Metkar
 (Dr. S. S. Metkar)
 (Head of dept.)

S. S. Metkar
 Dr. S. S. Metkar
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere-Raigad

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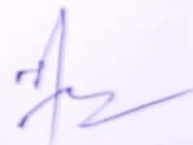
Mechanical Department

In the pursuit of searching new alternatives of energy resources in view of the ever increasing energy demand and fast depleting conventional energy resources, the role of Mechanical Engineers are profound and vital to achieve the target. The menace, green house gas emission and associated effects need to be curbed by eliminating the conventional energy resources.

In the last decade, the nonconventional energy resources, solar energy, tidal energy, wind energy and nuclear energy are recognized and authenticated as the alternate energy resources. However, these alternative energy resources offer their own changes to make them long term alternatives due to intermittent in nature. Radiation effects also put a question mark to use of Nuclear energy as the long term solution.


Hydrogen energy and fuel cells are the latest energy alternatives, considered to be quite promising long term alternatives. The technology is growing however; it is at tender stage and needs further research to put the wings to hydrogen technology. Role of Mechanical Engineers are very crucial and vital to propagate the research in the area of hydrogen energy, in general energy sector.

In view of this an expert talk was arranged in virtual mode by Dr Dadasaheb Shendage, Senior General Manager, H₂e Power system Pune on 23rd Aug 2020 at 11 am. He has talked about the ongoing research on hydrogen energy and its future implications and opportunities. Around 50 students have joined in virtually. Screen shot of the session attendees is shown here.



The session was quite interactive and has ignited the young mind and makes them aware the ongoing




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PREPORT WORKSHOP ON WATER MANAGEMENT

It was organised by DEPARTMENT OF CIVIL ENGINEERING Rajiv Gandhi College of Engineering, Research & Technology, Chandrapur in association with Dr. Babasaheb Ambedkar Technological University, Lonere under TEQIP-III Scheme 31st JANUARY– 2nd FEBRUARY 2020.

The following sessions and activities were performed during the workshop.

Day-1: 31st JANUARY 2020 FIRST SESSION

Dr. R. S. Pawade, DBATU Lonere, spoke on Water Pollution- Causes, Effects & Prevention. He highlighted the importance of the topic & also explained various pollutants responsible for water pollution, its effects, methods used to prevent the water pollution and the mandatory initiatives taken by the concerned authorities for prevention of water pollution.

Day-1: 31st JANUARY 2020 SECOND SESSION

Dr. Sanjay Danao, Director, Danao Green Tech Service, Pune, delivered the Key Note on theme of the Workshop. He outlined the various facets of Water Management. He explained in detail various sources of water & water cycle. At the end of the session, he conducted a group activity competition among the delegates based on water cycle.

Day-2: 01st February 2020 THIRD SESSION

Third session started with the presentation by the delegates on the group task assigned to them for competition in session-II. Presentation was judged by Dr. Sanjay Danao & Dr. A P Singh coordinator of the workshop. After presentation, session was addressed by Dr. Sanjay Danao. He spoke on "Water Quality". He highlighted the importance of various Water Quality Parameters, Procedure for Estimation & their Standards. Session ended with practical training about estimation of these water quality parameters at various locations in the campus

Day-2: 01st February 2020 FOURTH SESSION

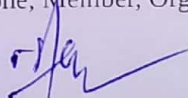
Mr. N. R. More, Danao Green Tech Service, Pune spoke on "Various Methods for Water Treatment". He highlighted the functioning of various water treatment technologies, their construction, suitability & removal efficiency of various water impurities. He also explained in detail about water treatment flow sheet for conventional water treatment plant & guidelines to select various treatment units for the same. Session ended with a group activity assignment for next session.

Day-3: 02nd February 2020 FIFTH SESSION

Mr. N. R. More continued by speaking on "Various Methods for Waste Water Treatment". He highlighted the difference between treatment of water & wastewater. He explained the functioning of various waste water treatment technologies, their construction, suitability & removal efficiency of various impurities from waste water. He also explained in detail about wastewater treatment flow sheet for conventional wastewater treatment plant & guideline to select various treatment units for the same. Next to this, DR. Sanjay Danao presented concluding remark on water management. The Session ended with group activity presentation of delegates.

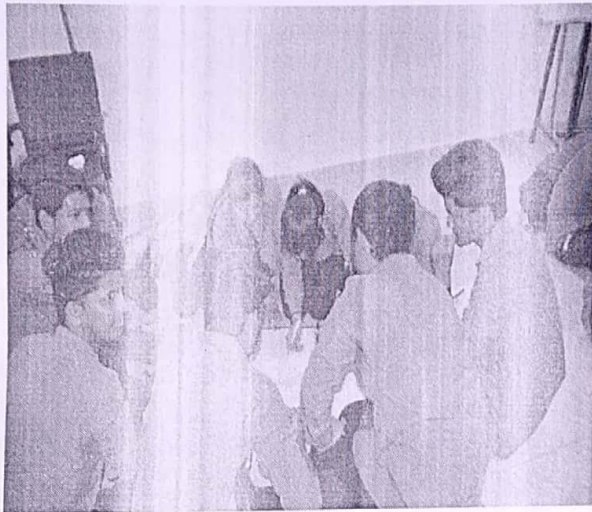
Day-3: 02nd February 2020 CONCLUDING SESSION

Concluding Session: The esteemed personality present on the Valedictory function are Dr. D.V. Bhope, Dean(IQAC), RCERT, Chandrapur, Dr. Sanjay Danao, Director, Danao Green Tech Service, Pune, Mr. N. R. More, Danao Green Tech Service, Pune, Dr. A.P. Singh, Coordinator of Workshop RCERT Chandrapur, Prof N. B. Warbhe, Member, Organising Committee.



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Dr. Sanjay Danao, Director, Danao Green Tech Service, Pune addressing the Participants in Session –II


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A report on
One Week Faculty Development Program (Online)
on
**Interdisciplinary Aspects in Modeling of Manufacturing Processes November 21-23 &
27-29, 2020**



Organized by
Department of Mechanical Engineering
Dr. Babasaheb Ambedkar Technological University Lonere, Dist. Raigad, Pin-402103,
Maharashtra, www.dbatuonline.com

under the aegis of

TEQIP - III

in collaboration with
Department of Mechanical Engineering
Indian Institute of Technology, Bombay, Powai, Mumbai 400076

Program Coordinators

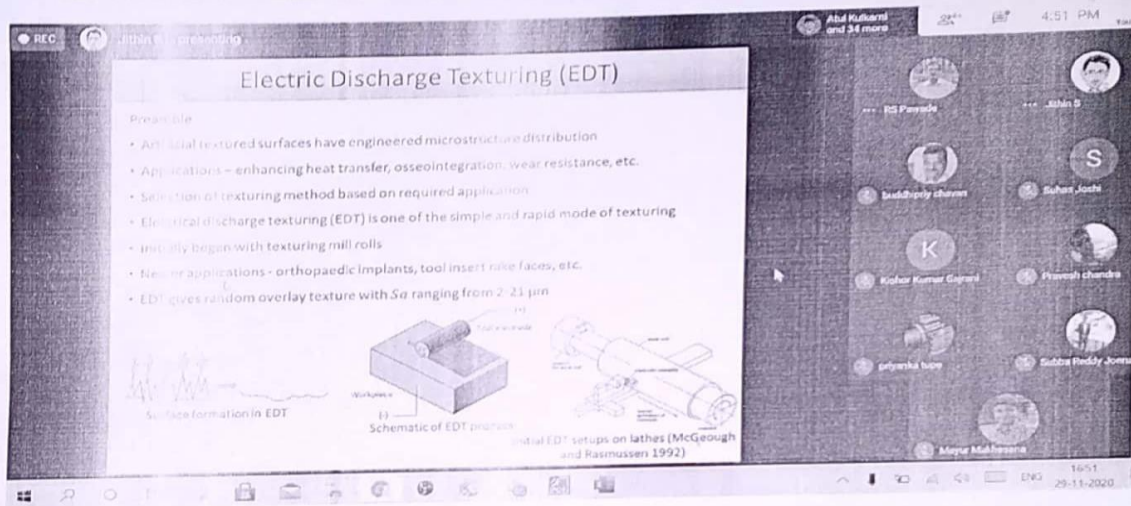
Dr. Suhas S. Joshi

Professor, MED, IIT Powai, Mumbai, Email: ssjoshi@iitb.ac.in

Dr. Raju S. Pawade

Associate Professor, MED, DBATU, Lonere
Cell: 8698559938, Email: rspawade@dbatu.ac.in

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ISHRAE National Student Design Competition 2021-22

Theme: Design of Air Conditioning and Ventilation System for a Multi- specialty Hospital building consists of two Floors with Terrace.

Timelines:

Registrations due date: 31.08.2021

Design Submission: 31.12.2021 (which was extended for few more days)

Total Registrations: 181 teams

Design Submissions made by: 48 teams

Jury Members:

- Dr P Udhyakumar
- Er. R. Kishore
- Er. T. Jerrin Thomas
- Er. E. Mohanraj
- Prof. Gunjan Kumar
- Dr. K. Srithar

Form the 48 evaluations done by the Jury members 15 teams have been shortlisted for final presentations which will be scheduled next week.

The final 15 teams selected for Presentations are as given below:

S. No	Submission Code	ISHRAE Chapter	Region	Team Leader + Members
34	NSDC 111	ISHRAE Mumbai Chapter	West 1	Priti Sunil Watgure Kriteemoy Basu Gaurav Rajendra Khirdikar Shivam Sanjay Kadukar FAHMID ZAMAN
32	NSDC 105	ISHRAE Kolkata Chapter	East	SOUMYADIP BHATTACHARJEE SOUMYADIP DHARA SAYAK RAY Parnava Debnath
48	NSDC 181	ISHRAE Kolkata Chapter	East	Priyanshu Banerjee Suhail Haider Sushant Sandilya SAIKAT BANERJEE
33	NSDC 106	ISHRAE Kolkata Chapter	East	SOUMI SINHA SUBHRANIL MUKHERJEE ABHIRUP MAZUMDER
2	NSDC 5	ISHRAE Kolkata Chapter	EAST	Srijani Das Ashish Kumar Bhuwaniya Ratnesh Barnawal Snayini Joardar



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21	NSDC 66	ISHRAE Mumbai Chapter	West 1	Jignesh Vishnu Kadu Omkar Arjun Chavan Prashant Shivaji Kurade Dheeraj Sanjay Bondre M. Hariswar Reddy
47	NSDC 179	ISHRAE Deccan Chapter	South 2	Thryambica Madhav Kalyani Sarthak Prasad Shindikar Mugdha Deepak Durge Samruddhi Mirgane Harshada Patil
28	NSDC 86	ISHRAE Mumbai Chapter	West 1	MOHAMED SAAHILA AHAMED MUSTHAFA.K ARUN.G JAI SHANKAR.S SURYAVO GHOSH
26	NSDC 83	ISHRAE Chennai Chapter	South 2	SHRINJOY PAUL DEBARGHYA MONDAL SHAHIL SINGH
23	NSDC 77	ISHRAE Kolkata Chapter	East	Kshitiz Manojkumar Verma Komal Prashant Mahajan Zuben Kalandar Tashildar Ameya Dileep Zarkar
11	NSDC 39	ISHRAE PUNE CHAPTER	West 1	Dabir Maaz Abdul Majeed Bhangrath Tejas Murlidhar Haldankar Varun Vasudeo Ahmed Iftekhar Ishtiaque
17	NSDC 57	ISHRAE Mumbai Chapter	West 1	Mr. Anandhu J B Mr. Ananthapadmanabhan H Mr. RAHUL V Mr. MUHAMMED RIJAS
22	NSDC 68	ISHRAE Trivandrum Chapter	South 1	Dipika Ramesh Khanvilkar Suhas Jayram Autade Meet Suresh Patel Burhanuddin Mufazzal Sheikh Hafiz ARKAPRAVO GANGULY
5	NSDC 31	ISHRAE Mumbai Chapter	West 1	PROJJWAL MAHAPATRA SHASWAT AGARWAL KINGSHUK SAHA
27	NSDC 85	ISHRAE Kolkata Chapter	East	

The schedule for the presentation will be shared with individual teams for next week separately from ISHRAE HQ Secretariat.

We congratulate the mentors and faculties who supported these student members and our best wishes to them for their final rounds.



I. GENERAL INFORMATION

Sr. No	Item	Details
	Team Leader Name	MANASI KASARE
	Student 1	NAME: MANASI KASARE MOB: 9970690414 EMAIL : kmanasi1401@gmail.com Membership no: S00097930
	Student 2	NAME: KUNAL PHADATARE MOB: 7219682323 EMAIL : kunalphadatarer111@gmail.com Membership no: S00097952
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2	College Name and address	DR BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE, RAIGAD-402103
3	Faculty Adviser /Guide Name (Name, Address, Mobile number and email)	NAME: Dr. NEERAJ AGRAWAL MOBILE NO: 9422472997 EMAIL: neerajagrawal@dbatu.ac.in NAME: Dr. RAMESH KATE MOB: 8087015189 EMAIL: rpkate@dbatu.ac.in



Harshadeep Joshi

Professor Dashboard

Total Enrollments 67

Progress Session Plan

Approve My GETIT Soft Skills Export NPTEL Deactivate

Module	Design	Feasibility	Development	Development	Development	Development	Development	Development	Development
21-22 Sem V	100%	100%	100%	100%	100%	100%	100%	100%	100%
21-22 Sem VI	100%	100%	100%	100%	100%	100%	100%	100%	100%
21-22 Sem VII	100%	100%	100%	100%	100%	100%	100%	100%	100%
21-22 Sem VIII	100%	100%	100%	100%	100%	100%	100%	100%	100%
21-22 Sem IX	100%	100%	100%	100%	100%	100%	100%	100%	100%
21-22 Sem X	100%	100%	100%	100%	100%	100%	100%	100%	100%
21-22 Sem XI	100%	100%	100%	100%	100%	100%	100%	100%	100%
21-22 Sem XII	100%	100%	100%	100%	100%	100%	100%	100%	100%

Handwritten signature and name: Dr. H.S. Joshi

A

Workshop Report

On

'Awareness Program on Fire Fighting and Safety Precautions'

Organized by



Department of Petrochemical Engineering

Dr. Babasaheb Ambedkar Technological University Lonere

Date: 13th May 2022

Venue: Conference Hall and University Campus.

Target Audience: All University Students.

Speaker: Shri. Vijay Mote, Shri. Suresh Warange, Shri. Vilas Attarde, Shri. Jaideep Kale.

Workshop Co-Ordinator: Dr. S.S. Metkar, Prof. Harshada Jadhav.

S. S. Metkar
Dr. S. S. Metkar

Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere-Raigad

[Signature]
REGISTRAR
Dr. Babasaheb Ambedkar Technological University
Lonere-Raigad, (Maharashtra)
Tal. Mangaon, Dist. Raigad

With the permission of Registrar, Petrochemical Engineering Students Association of Department of Petrochemical Engineering was organized successfully the 'Awareness Program on Fire Fighting and Safety Precautions' on Friday 13rd May 2022.

AGENDA:

- 1) Welcome Speech
- 2) Felicitation of Guest, Departmental Faculty, Staff.
- 3) Guest Presentation.
- 4) Practical Session.
- 5) Interaction with Students.
- 6) Any other point with permission of Chair.
- 7) Collected Feedback form.

Course Content:

Presentation:

- Introduction of Fire, Fire Triangle.
- Classification of Fires.
- Control of High Vapour Pressure Fire.
- Firefighting Foams, Foam for Fire Protection, Foam Characteristics.
- Gaseous Agent Extinguishing System.
- Automatic Sprinkler System.
- Chemical Extinguishing Powders, Natural Gas Fire Control.
- Portable Fire Extinguishers: Soda-Acid Extinguishers, Carbon Dioxide Extinguisher, Dry Chemical Fire Extinguisher.
- General Safety Precautions for Maintenance of Fire Extinguishers.

Practical Session:

- Working of Fire Extinguishers.
- Working of Different types of Nozzles.



Dr. S. S. Metkar

Head,

Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere-Raigad

LIST OF STUDENTS PARTICIPATED:

Awareness program on fire fighting and safety precautions.

Date: 13/05/2022

Petrochemical Engineering Students Association of Department of Petrochemical Engineering has organized "Awareness program on fire fighting & safety precautions" on Friday at 4:00 pm to 6:00 pm.

venue: conference hall and university open space.

Following students and faculty members were present for the program:

Faculty members & staff	Sign
1) Dr. S. S. Metkar	
2) Prof. V. P. Jawanjale	
3) Dr. S. M. Mhatre	
4) Dr. D. M. Pawar	
5) Prof. L. P. Pawar	
6) Prof. V. K. Pawar	
7) Prof. H. R. Jadhav	
8) Mrs. R. R. Thale	
9) Mr. K. Sontakke	
10) Mr. Pashie	
11) Mr. Vijay Mate	
12) Mr. Suresh Wankar	
13) Mr. Jaideep Kate	
14) Mr. Nikhil Bhesale	
15) Pradip Bhoir	
16) Mr. Ganesh P. Valang	
17) Mr. Vandana R. Mirde	
18) Mr. Ramashankar S. Dandekar	

Dr. S. S. Metkar
Head,
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere-Rajgad

REGISTRAR
Dr. Babasaheb Ambedkar Technological University
Lonere-Rajgad
Tal. Mangaon, Dist. Rajgad, (Maharashtra)

About Workshop:

Our today's workshop is regarding of an approach to remind our students that don't be safety blinded but be safety minded. Safety first, Safety always...! As someone said safety is a state of mind and accidents are results of absence of mind.

so let us discuss some important safety things which are very helpful in order to reduce the risk of injury to all of us.

Welcome Speech:

On behalf of Petrochemical Engineering Department students co-ordinator of Petrochemical Engineering Students Association (PESA) Ms. Shreya and Mr. Abhishek started the program with kind words regarding program and Welcome all Guest, Faculty members and participants for the same. They gave briefly introduction about chief guest Mr. Jaideep kale who is General Manager in Mahad Manufacturing Association in the Common Effluent Treatment Plant Corporation society LTD.

Felicitation of Guest, Departmental Faculty, Staff:


Head of Department Dr. S. S. Metkar mam felicitated to Chief Guest Mr. Jaideep Kale sir and all team members with memento.

Guest Presentation:

Our Chief guest Mr. Jaideep Kale sir gave Power Point Presentation about firefighting and Safety precautions. They gave information about introduction of fire, Fire triangle, Classification of fire, Types of Fire Extinguishers- Construction and Working, Personal Protective Equipments.

At the end program was concluded with vote of thanks and collect the feedback form from all participants.

Department wants to thanks university administration and Registrar as well as academic Dean for permitting financial support.


Dr. S. S. Metkar
Head,
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere-Raigad

Classification of Fire

Class	Icon	Material	Appearance	Examples	Extinguishers
A		Solid substances	Glow and flames	Wood, paper, textiles	Water, ABC powder, AFFF, Foam, CO2, AFFF
B		Liquids	Flames	Oil, gasoline, fats	ABC, BC powder, Water, AFFF
C		Gases	Flames	Butane, propane, natural gas	CO2, BC powder, ABC powder, AFFF, Water
D		Combustible metal	Glow and flames	Magnesium, aluminium, sodium	Dry powder
E		Electrical (liquids, solid substances)	Glow and flames	Plastics	Water, non-conductive extinguishing agents
F		Oils and fats	Flames	Cooking oils, Frying fat	specific extinguishing agent

Use of Correct Fire Extinguisher

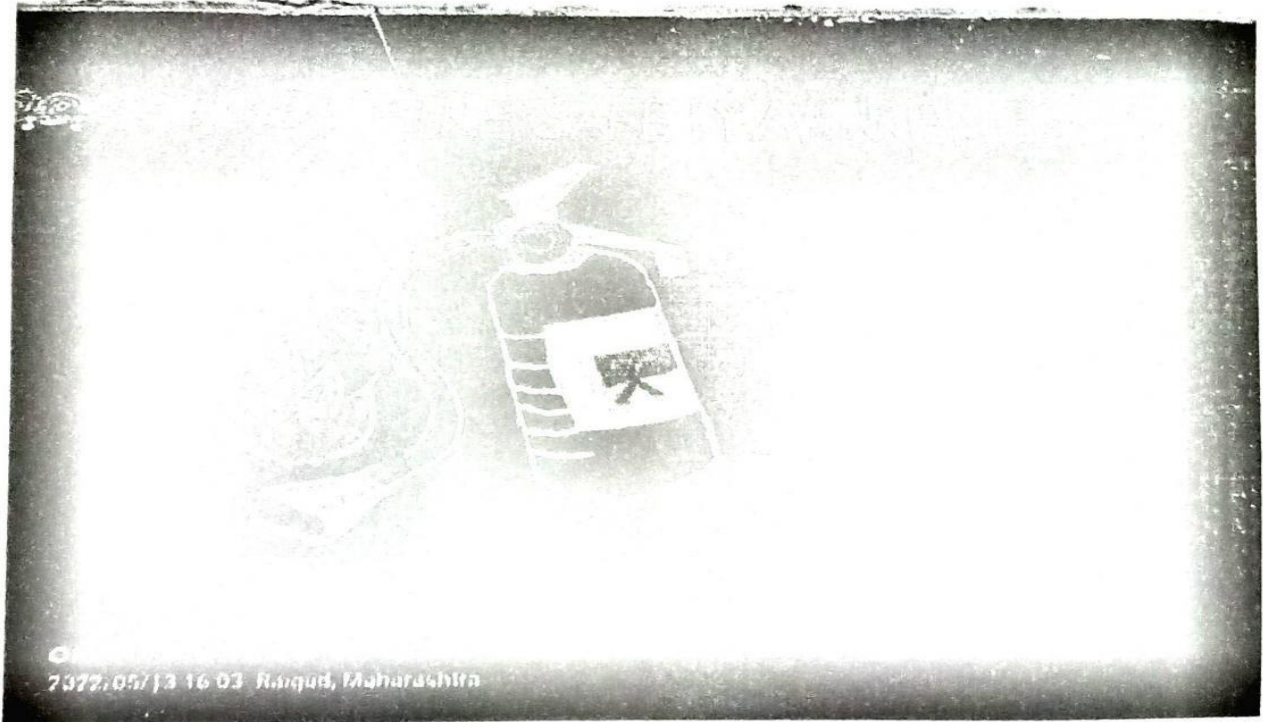
Using The Correct Fire Extinguisher

Water	Dry Powder	Foam	CO2	Wet Chemical
<p>For use on</p> <ul style="list-style-type: none"> Wood, Paper, Textiles etc <p>Do not use on</p> <ul style="list-style-type: none"> Flammable liquid Live electrical equipment 	<p>For use on</p> <ul style="list-style-type: none"> Wood, Paper, Textiles etc Flammable liquid Gaseous fire Live electrical equipment 	<p>For use on</p> <ul style="list-style-type: none"> Wood, Paper, Textiles etc Flammable liquid <p>Do not use on</p> <ul style="list-style-type: none"> Live electrical equipment 	<p>For use on</p> <ul style="list-style-type: none"> Flammable liquid Live electrical equipment <p>Do not use on</p> <ul style="list-style-type: none"> Wood, paper and textiles Flammable metal fire <p>Do not use in a confined space</p>	<p>For use on</p> <ul style="list-style-type: none"> Cooking oil fires Wood, Paper, Textiles etc. <p>Discharge entire contents on to fire from at least 1 metre distance</p>

Dr. S. S. Mehta
 Dr. S. S. Mehta
 Head

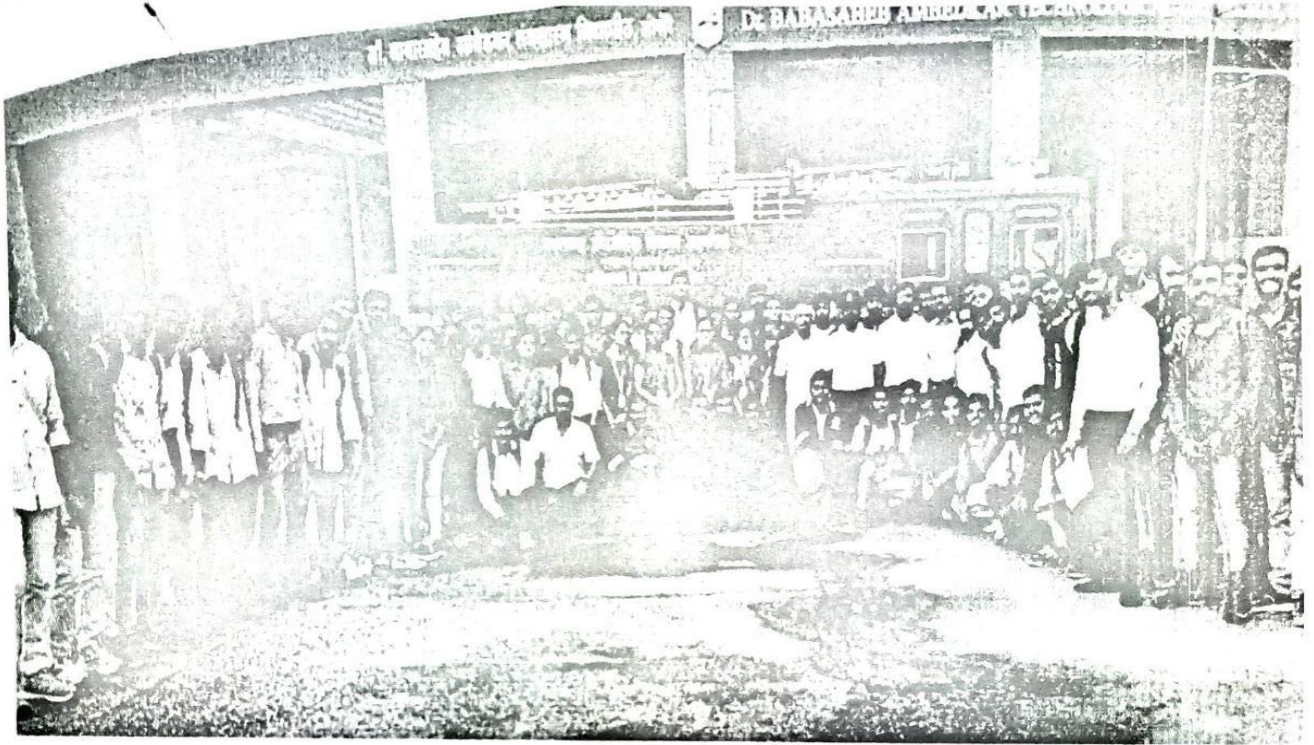
Photographs:

INAUGURAL FUNCTION AND FELICITATION



S. S. Metkar
Dr S. S. Metkar
HOD,
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere-Raigad

**AWARENESS PROGRAM ON FIRE FIGHTING AND
SAFETY PRECAUTIONS**



Harshada Jadhav
Ms. Harshada Jadhav
Faculty Coordinator

S. S. Metkar
Dr. S. S. Metkar
Head, Department of Petrochemical Engineering

S. S. Metkar
Dr. S. S. Metkar
Dr. S. S. Metkar
head,
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere-Rajgad

[Signature]
REGISTRAR
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