



## Our Patrons : Pimpri Chinchwad Education Trust

## Inside This Issue



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Editorial Column	Page 1
Guest Editorial	Page 2
Scientific Breakthrough	Page 2
PCCoE Achievements	Page 3
Faculty Achievements	Page 3
Student Achievements	Page 3
PCCoE Technical Feats	Page 4
PCCoE Expressions	Page 4
PCCoE Announcements	Page 4

## Samvaad Editorial : Let us continue towards excellence

Engineering education has been traditionally content centered, hands-on, design-oriented, and focused on the development of critical thinking or problem-solving skills.

Suspension of face-to-face instruction in institutes is a challenge to education. The COVID-19 has introduced great uncertainty in academic policies. In March 2020 when there was an outbreak of Corona virus, the only alternative available was to close the campus. With a halt, a breath and a thought over the world around came up with determination to continue. With a very short break, it became possible to continue with a modern learning tool, online teaching. Now, about one and half year later, the challenge, still exists, not to continue, but to optimistically bridge the gap in attainments of learning outcomes, without which education becomes useless.

Engineering education is a challenging domain that needs adequate integration of class room teaching and laboratory instructions. It's a great responsibility of engineering institute to provide class room teaching and laboratory experience to students which will enable them to solve real life problems. Teachers are struggling to continue their efforts for promoting quality education.

Effective course plans, online lectures, virtual labs, online assessment everything is well established by now and faculty too are familiar to these IT tools.

The course material, laboratory work is redesigned in order to cope up with online mode. Hands-on training to work with equipment, instruments, and materials in a controlled laboratory setting is an inherent and necessary aspect of a successful engineering education. Addressing this essential aspect within a fully online teaching platform is challenging, particularly at the undergraduate level. During pandemic, virtual laboratories or demonstration videos have helped a lot to cater this component.

Let us think, from students' perspective. To Keep their interest and enthusiasm in learning is of utmost importance. While learning from home, the responsibility of a student is more as compared to physical classroom learning. Few students who are self-motivated, will look for all ways available to get insight of course content. But for majority students, it needs to be get done. An instructor has to find ways to check attentiveness of students in online teaching-learning process.

It is also important to make students aware of other relevant online courses, which would create a sense of self learning in them.

In outcome-based engineering education, program educational objectives and outcomes are designed not only to anticipate students with adequate technical knowledge, but also with non-technical skills i.e., communication, work as a team, life long learning etc. So, while designing course contents, the activities, which will enhance these skills need to be incorporated in the course. The growth as a responsible individual is a lifelong process. A teacher is one who likes to be a student forever, keeping oneself open to grow and to learn from the challenges as they come to us. So, let us guide our beloved students for the same. Let us make them aware of challenges and opportunities ahead.



Dr. Pravin R. Kale  
Dean, Student Development & Welfare

Our institute aims at creating technically competent engineers, to serve the society at large. So, we aim at creating engineers with consciousness of world around. Our mission is to give broad understanding of society and relations as well as to nurture the character by which students would understand and fulfil his/her responsibility as a human being, as an engineer.

Let us guide our students to this mission by inculcating a quality engineering education, professional ethics and right human values. Let us continue towards excellence.

\*\*\* Team Samvaad \*\*\*

Editor-in-Chief : Dr. Govind N. Kulkarni

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Assistant Editors: Ms. Asmita Manna (Comp), Ms. Ashwini Ladekar (IT), Ms. Pratima Kalokhe (Civil), Mr. Hemant Kadam (Mech.), Mr. Anandkumar Jain (MCA), Dr. Mahadeo Kadam (AS&H)



## Samvaad :Guest Column - Automotive Safety Systems

Today's Automotive vehicles are becoming more powerful & fast in acceleration, speed and also more safe in terms of performance and durability. The last decade automotive industry is also eager in developing safer vehicles that includes all types of two wheelers, public and goods carrier, three wheelers, cars, SUV and commercial vehicles. Safety becomes critical criteria for every manufacturer. They are covered under Automotive Safety Norms and need to comply for type approval and confirmation of products (COP) in production lot. Let us look at those safety requirements.

**1. Active Safety of Automotive:** As you understand various active safety devices are needed to install on every category of product to mitigate norms. Horn, headlights, tail lamp, brakes system, seat belt system are important items are covered under active safety. Automotive Industry Standards (AIS) has defined specifications for test requirements and conditions; accordingly, authorities are testing those component and systems as complete vehicle and confirm that is meeting the required norms. Primary safety is covered or controlled with those components such as visibility is taken care by headlights and certainly it helps to overcome darkness while driving vehicles. Now when vehicle is turned to left, right, u-turn or bend in ghat sections, it should light nearby area and shows clear path to driver. It enhances driving capability during dark evenings and nighttime. Similarly, tail lamp indicates moving object ahead. Also indicate whenever driver wants to brake and stop vehicle. With brake light; following vehicles driver gets signal of braking and stopping, so that others can maintain safe distance. Similarly, Turn Indicator shows vehicle is expected turn at right or left. Emergency indicator indicates both left & right lights blinks continuously. Also front and rear side indicates blinking and give hazard warning for all other vehicles. Vehicles driven in fog /mist are indicating safety warning. also in case of individual vehicles is having any problem; such as engine or any other system stop working and vehicle is not drivable then this hazard warning system is made "on" so others can notice about vehicle having problem. Horn indicates road is blocked by some other vehicle or persons on the road. By honking one can cautioned others in case of blocking roads. Thus, unsafe conditions can be eliminated. Safety belts in Car is another active safety device installed for benefit of passengers. Three-point harness safety belts are fixed in such a way that every passenger in car can be held at his own position.



**Mr. Sanjay Nibandhe**  
Senior Deputy Director  
ARAI - HTC & FID Operations & PSL Head  
Chairman, SAEINDIA Western section

He or she is attached to seat and safeguard against the pressure or force exerted while accident and sudden applied break by driver. Since everybody may not be alert for all the time for sudden impact, safety belt help to move little bit but again brings back to it's original position. Imagine the free body movement will be causing injury to neck, hands, leg or any body parts. Generally sudden jerk will throw a person to wind screen and may have serious injuries. The child safety is also taken care with special provision. The functional important of each items provides active safety. Right from Two-wheeler, Car to bus & Truck these systems are commonly used as per Indian Automotive Safety norms and help for safe drive.

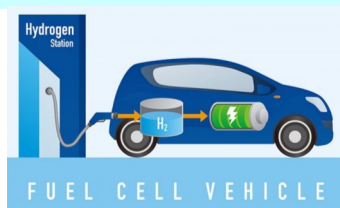
**2. Passive Safety of Automotive vehicles:** In this category all indirect methods are covered for safety aspects. The Passive safety is highly technology oriented and benefit of improving the performance against safety critical situations. Whenever two wheeler drive uses helmet, he is safe guarded with head collagen and impact to brain and nerves system. In addition to it driver suit is helping for body injury. Two wheelers are considered as unsafe but popular mobility equipment in India & abroad. In India we are mostly unaware about safety norms and personal protective equipment. That the reason more fatal accidents occur with two wheeler users. For cars, we can see few Passive safety features covered under Automotive safety. The steering column is made safe by using collapsible construction and whenever impact comes to vehicle it's absorbed and do not directly reach to driver. Old cases of steering intrusion to driver was a common and now completely eliminated. The air bag is another equipment introduced in recent few years. This helps in case of major impact to car from any side i.e. front, side wise or back end and air bag sensor actuate the air bag and get deployed. By this feature it becomes a barrier with car hard metal parts such as instrument panel, steering wheel, body panels from car body side, front seats, etc. In today's situations minimum one air bag to max 7-8 air bags are installed in cars. Of course cost is major impact while manufacturing. The technology and vehicle engineering becomes very complex. Pedestrian safety in case of road accidents is another area which is mandatory in India for newly produced cars from April 2018. All these equipment has ensured safety for passengers and pedestrians. This an overview of safety Technology implemented in India and we can get benefits of Safe mobility with latest vehicles.

## Samvaad Scientific Break Through: Hydrogen - A clean fuel

Currently, fossil fuels fulfill the needs of all the energy requirements of the world but soon these fossil fuels will be depleted in the future. Also, these fossil fuels are responsible for existing gas emissions. So, there is a need to find alternative fuels that have a higher heating value similar to fossil fuels and are also clean concerning gas emissions. Hydrogen is a clean fuel having a higher heating value and produces zero emissions after combustion. Hydrogen is used in the fuel cell for generation of electricity with water as a byproduct using fuel cell. After burning hydrogen with oxygen, the product of combustion is only water. Today, hydrogen fuel can be produced by various processes such as thermochemical processes and electrolysis processes. In thermochemical processes, hydrogen is produced from biomass or fossil fuels using heat or chemical reactions. Steam methane reforming, biomass gasification, biomass-derived liquid reforming, and solar thermochemical hydrogen are the various thermochemical processes through which hydrogen can be produced. Electrolysis is another process for hydrogen production in which water splits into hydrogen and oxygen using electricity.

Supercritical water gasification (SCWG) is another attractive option to produce hydrogen. Biomass is available in nature in ample amounts in the form of agriculture residue and food waste. In the SCWG process, the wet biomass (moisture in the biomass is above 80% approximately) is used along with supercritical water in a batch/continuous flow/fluidized bed reactor. The temperature and pressure of supercritical water are above the critical temperature and critical pressure of water. At this supercritical stage, water is an excellent solvent and almost all types of organic compounds are miscible in the water. Cellulose Hydrolysis, glucose reforming reaction, Lignin hydrolysis, steam reforming reaction, water-gas shift reaction, methanation reaction, and hydrogenation reaction are the overall reactions in the SCWG process. Residence time, temperature, pressure, feed concentration, and catalyst are the critical parameters that can increase the yield of hydrogen. This process doesn't require the drying of biomass which is the essential requirement for conventional biomass gasification. Another advantage of this process is to get the compressed hydrogen which is easy to store. These advantages make this process viable for hydrogen/syngas production.

**Dr. U. G. Potdar, Department of Mechanical Engineering**



## PCCoE Achievements: राज्यस्तरीय कार्यशाळा “कोविड -१९ च्या पार्श्वभूमीवर मानवीय मूल्यांचे संवर्धन तसेच जागरूकता” 5<sup>th</sup> to 9<sup>th</sup> July 2021

The SDW cell of PCCOE organized a five days workshop for the people of the Maharashtra State. The motive of this workshop was to create awareness about human values amongst the people and to motivate them to live stress free and healthy life during the COVID-19 pandemic. During the span of five days, distinguished guests delivered the session addressing the issues such as the impact of COVID-19 on human lives, the importance and benefits of meditation and yoga in our day to day life, the importance of human values in our life, etc. Shri. Popatrao Pawar (Sarpanch, Hivare Bazar) elaborated the impact of COVID-19 on the life of farmers and education in the rural area. The kind of efforts the frontline worker and the people of Hivare Bazar took to overcome the circumstances. Dr. Arvind Shaligram (CEO SPPU Research park, Pune) expressed how to cultivate human values through awareness in the society. He addressed various points like the importance of education and life skills, human values and our cultural tradition, COVID-19 challenges, post Covid-Global issues and challenges and its resolution from educational fraternity & global citizen perspective. Dr. Aditya Abhyankar (HoD DoT SPPU, Pune) focussed on the importance of moral values and ethics in our life along with how moral support plays a significant role in a pandemic situation. Dr. D. V. Jadhav (Co-director DTE, Pune) elaborated on the impact of COVID-19 on an individual and society also stated how many helping hands contributed during this pandemic as an example of human values. Dr. Ajay Gaikwad (Associate Dean, SDW, PCCOE, Pune) focused on the behaviour and thought process of a human being.



Dr. Jitendra Waghmare (YCM, Pune) started with elaborating the history of various pandemics since the 14<sup>th</sup> century and its relation with human values. He shared his observations about humanity in the COVID-19 situation. Dr. Pravin Warade (BHMS Khamgaon) gave insights of human values with various examples. He explored the Homeopathy domain and understanding of people about it, mentioning “ultimate aim is to save the life by any means”. Dr. Sanjay Tungar (PI Cybercrime) elaborated transformation in the human values during the COVID-19 and the importance of human values. These values describe our behaviour. He explained the comparative analysis of changes in behaviour of human being based on various factors such as social distancing, mask, wedding ceremony etc. before and after COVID-19. Dr. Rajeev Nagarkar (Clinical Psychologist, Pune) explained the importance of understanding impurities of mind (Kam, Krodh, Lobh, Matsar), power of projection, perception, state of mind and decision making, the impact of knowledge, half-knowledge and wrong knowledge with nice examples from “Vedas”. He also explained the importance of diet, sleep and exercise in our daily routine to maintain health. Shri. Chandrakant Mane (RTO, Pune) elaborated how RTO department helped people to migrate and for the transportation of medicines/goods etc. during the pandemic. He focused on reducing the accidental death rate to zero by 2030. Dr. Anuradha Bhosale Diwan (Humanist life teacher) emphasized how technological transformation and individual capability to think on the alternative is developed during the COVID-19 pandemic.

## Faculty Achievements

- Prof. R. T. Jagtap of AS&H Department got acclaimed from the Board of Students Development SPPU for his contributions as a Student Development Officer during year 2018-19 and 2019-20. Board specially mentioned that his punctuality and contributions are invaluable to raise the honour of SPPU and PCCoE.
- Dr. S. T. Mali of Civil Engineering department is appointed as a Reviewer for Environmental Progress & Sustainable Energy Journal of American Institute of Chemical Engineers, Wiley publication.
- Dr. D. S. Lal of Civil Engineering department completed his Ph.D. in Civil Engineering on the topic ‘Investigation of Properties of Cement Mortar Incorporating Pond Ash-An Environmental Sustainable Material’ from Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon under the guidance of Dr. A. O. Dwivedi and Dr. A. M. Chatterjee.
- Dr. Rajani P. K., Dr. V. S. Bendre, Dr. D. S. Khurje & Mr. M. M. Narkhede of E&TC department are certified as Innovation Ambassador by AICTE and MHRD. They have undergone Foundation Level Innovation Ambassador Training conducted by MoE's Innovation Cell & AICTE during the period from 30/06/2021 to 30/07/2021 in online mode.
- Dr. S. S. Lakade (Mechanical), Ms. Anagha Chaudhari (Computer), Mr. Prakash Ukhalkar (MCA) & Mr. Sopan Aghav (MCA) are certified as Innovation Ambassador. They have undergone Advanced Level Innovation Ambassador Training conducted by MoE's Innovation Cell & AICTE during the period from 30/06/2021 to 30/07/2021 in online mode.
- Dr. Deepti Khurje completed training at Regional Research Symposium on PBL (RRSPBL 2021) organized by Karnataka State Higher Education Council, Bengaluru (India) in Collaboration with Aalborg Centre for Problem Based Learning in Engineering Science and Sustainability under the auspices of UNESCO, Aalborg University, Denmark.
- Dr. N. B. Chopade of E&TC Engineering department was invited to conduct Ph.D. Open Defence & worked as a Referee for the Ph.D. Thesis entitled, ‘Reconstruction of High Resolution Image using Low resolution Colour Image(s) for Quality Improvement’, submitted by Mr. Devidas Dnyaneshwar Dighe in Sant Gadge Baba Amravati University, Amravati on 15/07/2021.
- Dr. N. B. Chopade E&TC Engineering department worked as an Examiner to conduct ME (E&TC) final Dissertation exam titled, ‘Energy Saving system for Educational Campus’ of Mr. Shivpujan R. Yadav from Terna Engineering College, Sector 22, Nerul, Navi Mumbai on 08/07/2021.
- PANCES - Process Automation and Nonconventional Energy Sources SIG (Now Automation SIG), E&TC department, PCCoE signed MoU with Aethertec Innovative Solutions, Pune in presence of Mr. Hrishikesh Mehta, Director of company on 12/07/2021.
- Mr. R. A. Gujar of Mechanical Engineering was invited as a Guest Speaker in FDP organized by Kakatiya University, Telangana in Association with AICTE, ATAL on topic ‘Medical Image Processing and 3D Applications’ in the field of Biomedical Engineering during 5<sup>th</sup> to 9<sup>th</sup> July 2021.
- Dr. C. L. Ladekar of Mechanical Engineering department was awarded ‘Innovative Technological Research and Excellent Professional Achievement Award’ and selected for award by society of innovative educationalist and scientific research professional, award will be given in award function on 29/08/2021 at Chennai.
- Dr. C. L. Ladekar of Mechanical Engineering department approved and registered as Editorial Board Member - Educational Consultant Editor board member for Journal of Engineering Technological Research (ISSN: 2229-9262) for publisher "Innovative Scientific Research Professional" Malaysia, recognized Scientific Research Journals.
- Dr. C. L. Ladekar of Mechanical Engineering department worked as Reviewer for IEEE conference, Sustainable and Green energy track for IEEE-International Conference on Computing, Communication and Green Engineering (CCGE21),
- Mr. R. A. Gujar of Mechanical Engineering department got an opportunity to join as one of the member of the conference committee International conference on Materials, Chemistry and Biomedicine (ICMCB 2021) which will be held during No. 12-14, 2021 at Hilton Garden Inn Sanya, Hainan Province, China.
- Ms. Anagha Chaudhari from Computer Engineering Department, got an opportunity for Ph.D. admission and received the offer letter from University of Technology (UTP) PETRONAS, Malaysia, under the Tuition Fees Assistantship (TFA) scheme. This is an outcome of the MoU between UTP PETRONAS, Malaysia and PCET's PCCOE. Dr. Roshani Raut [Associate Dean, International Relations Cell] from Information Technology Department will be her Supervisor from PCCOE.
- Mr. Atul B. Kathole won Best Oral Presentation Award with Second Rank in International Conference on Intelligent Computing in Information Technology for Engineering System (ICICITES-2021) for the paper ‘Attack detection using Machine learning Approach’.

## Students Achievements

<b>Ms. Mrunal Patil (SYME E&amp;TC)</b>	Best Paper Award for paper titled ‘Chest X-Ray Diagnosis with Deep Learning’ in International Virtual Conference on Emerging Trends in Engineering and Management Sciences (ICETEMS-2021) on 23rd & 24th July 2021 guided by Dr. Varsha K. Harpale
<b>Onkar N., Akash B. and Pranesh N. (Mech.) Robocon Team</b>	Won the Jury awards in the Dassault Systemes, “Project of the year” contest which was guided by Mr. Sanjay B. Matekar
<b>Team Kratos</b>	Got Rs. 1 Lac. Sponsorship from a Company Bros with the help of Dr. Shitalkumar A. Rawandale and T&P cell which is guided by Mr. Nilesh V. Gaikwad
<b>Vaishnavi Kasar, Atharva Deshmukh &amp; Sahil Shah (BE Mech.)</b>	Published Copyright L-104970/2021, date: 02/07/2021. Topic: Kitchen waste crusher cum composting machine for green waste
<b>Ms. Sanskruti Dhore (Computer)</b>	Best Paper Award, ICETEMS-2021 organized by MMIT, Pune



## PCCoE Technical Feats

1. Dr. D. S. Lal (PI) of Civil Engineering department, Dr. S. S. Lakade (Co-PI) of Mechanical Engineering department, Mr. Manish Narkhede (Co-PI) of E&TC Engineering department received grant of Rs. 8,75,000/- from Dassault Systemes La Fondation for the project 'Development and Optimization of 3D Concrete Printer considering Nozzle and Pump with Digital Twinning'.
2. Dr. D. S. Lal (PI) and Mr. P. P. Ankad (Co-PI) of Civil Engineering department received grant of Rs. 3,25,000/- from Dassault Systemes La Fondation for developing Innovative Learning content for '3D Printing Technology for Construction'.
3. Dr. A. K. Gaikwad & Mr. Krishna Gupta copyrighted their work 'Optimization of Dispatching Schedule of RMC plant with Multi Plant and Multi Site Operation Condition'. Diary No. 11133/2021-CO/SW Registration No.: SW-14638/2021.
4. Mrs. Aarti S. Pawar and Dr. M. T. Kolte of E&TC Engineering department published the research paper 'A comprehensive evaluation of traditional MPPTS and fuzzy rule-based algorithms at varying Solar Irradiance levels' in Lecture Notes on Data Engineering and Communications Technologies published by Springer.
5. Mr. Ashok R. Suryawanshi and Dr. N. B. Chopade of E&TC Engineering department presented the research paper 'Microcontrollers & Power Devices Used in Multilevel Inverters— A survey' in International Conference on Green Energy, Computing & Sustainable Technology (GECST 2021), at Curtin University, Malaysia (online mode) during 07-09 July 2021.
6. Mr. P. V. Sontakke and Dr. N. B. Chopade of E&TC Engineering department presented the research paper 'Impact & Analysis of denial-of-Service attack on an Autonomous Vehicle Testbed Setup' in International Conference on Intelligent Computing, Information & Control System (ICICCS 2021) at CARE College of Engineering, Trichy (online mode) during 02-03 July 2021.
7. Mrs. Jaya H. Dewan of IT department & Dr. Sudeep D. Thepade of Computer Engineering department published the research paper 'How Scopus is Shaping the Research Publications of Feature Fusion-Based Image Retrieval' in Library Philosophy and Practice - Electronic Journal (Scopus Indexed)
8. Dr. Sonali Patil & Mrs. Rohini Pise of IT department published the research paper 'Data Accountability and Security Enhancement in Remote Healthcare System Using BaaS' in Lecture Notes in Networks and Systems, Vol. 190. Springer, Singapore (2021). [https://doi.org/10.1007/978-981-16-0882-7\\_67](https://doi.org/10.1007/978-981-16-0882-7_67)
9. Dr. Roshani Raut delivered expert talk on 'Machine Learning in Space Technology', at APJ Abdul Kalam Technological University Sponsored Faculty Development Programme on 'Emerging Space Technology in the Field of Computer Science', organized by the Department of Computer Science and Engineering, Jawaharlal College of Engineering and Technology, Palakkad, Kerala.
10. Mr. Atul B. Kathole delivered guest session on 'Current Trends in Processor Architecture', 3<sup>rd</sup> July, 2021 at PICT, Pune.
11. Total 18 copyrights are registered by IT students under the guidance of faculty mentors Dr. Sonali Patil, Dr. Jayashree Katti, Dr. Roshani Raut, Dr. Rajesh Phursule, Mrs. Jaya Dewan, Mrs. Tanuja Patankar, Mrs. Rohini Pise, Mrs. Ashvini Ladekar, Ms. Babita Sonare, Ms. Meera Thorat, Mrs. Sarika Kadam, Ms. Anuja Jadhav. Topics were based on Artificial Intelligence, Machine Learning, Image Processing and Android Application development.
12. TIFAC Academic Partner Proposal selected. Only four institutes selected all over India and PCCOE is one of them. Rs. 40 Lakh Fund sanctioned for 2 years. Faculty coordinator Dr. S. S. Lakade (Dean R&I)
13. Mr. Gaffar G. Momin of Mechanical Engineering department has authored a book on 'Heating, Ventilation, Air Conditioning & Refrigeration Engineering' ISBN :978-93-89889-15-4 (July-2021)
14. Mr. Gaffar G. Momin of Mechanical Engineering department has authored a book on 'Hydraulics And Pneumatics' ISBN :978-93-89889-15-4 (July-2021)
15. Mr. Vikad Dive & Dr. Sanjay Lakade of Mechanical Engineering department published the research paper 'Residual Stress Measurement Using Non-Destructive Testing' in Material Today Proceedings. <https://doi.org/10.1016/j.matpr.2021.07.094>
16. Mr. Nikhil More & Dr. Sanjay Lakade of Mechanical Engineering department published the research paper 'Improvement in Wear and Friction Properties of Heat-Treated Steel Using Micro-grooved Patterns' in book: Advances in Industrial Machines and Mechanisms, Select Proceedings of IPROMM 2020. DOI: 10.1007/978-981-16-1769-0\_41

## PCCoE Expressions

### निरोप...

तू किती लवपत होतीस,  
तुझ्या मेहंदी भरल्या हातांना...  
तुला हातही उचलता आला नाही,  
मला निरोप देतांना...  
गल्लीतल्या वळणावरच्या,  
तुझ्या बंद दाराकडे मला पाहवत नाही...  
पण समोरून गेलं की,  
नजर वळतेच मला राहावत नाही...  
मला आठवण आहे...  
तुझं ते ओट्यावर उभं राहणं,  
मी दुरून येतांना दिसलो की हसून घरात पळून जाणं...  
नाही कळणार तुला तळमळ माझ्या जिवाची,  
आज देखिल जोपासुन आहे प्रित तुझ्याच नामाची...  
तु फार लांब आहेस पण,  
एकदातरी मला तुझ्या गावी यायचंय...  
जगातल्या यात्रेत तु हरवुन जाशील,  
त्या आधी तुला मन भरुन पाहायचंय...  
ती दुर्दयवी वेळच तशी होती की,  
मलाही काही करता आलं नाही ...  
आणि मला निरोप देतांना,चार चौघात,  
तुलाही रडता आलं नाही...

प्रा. स्वप्निल आयने  
(अणुविद्युत आणि दूरसंचार अभियांत्रिकी विभाग)



Artwork by Dr. Rachana Patil,  
Dept. of Computer Engineering



Rangoli by Mrs. Archana Bhamare,  
Dept. of E&TC Engineering



Photography by Mr. Manoj Thorat,  
Dept. of AS&H

## PCCOE Announcements

*Pimpri Chinchwad Education Trust (PCET) received the Bharat Leadership Award 2021 on 17<sup>th</sup> July 2021 at the hands of Hon. Governor of Maharashtra Sh. Bhagat Singh Koshiyari for providing quality education from KG to PhD in Pune*



### Freedom: A Unique Perspective

Blog Writing Competition

Faculty coordinator: Ms. Meera Thorat (IT Department)

Grab the opportunity to express yourself on theme:

**What Freedom Means to you?**

Categories for Submission: Blog/Article/Poem/Painting

Date of Event: 15/08/21 Last Date of submission: 12/08/21

**Open for all school and college students.**

### Technical Bootcamp On Emerging Technology

Coordinator: Ms. Swati Jadhav & CNS SIG team  
(IT Department)

**Grab the opportunity to improve technical competence.**

**Date: 09/08/21 to 19/08/2021**

### Signing of MoU between PUNE MANAGEMENT

ASSOCIATION (PMA) & PCCOE - CENTRE FOR INNOVATION, INCUBATION AND LINKAGES FORUM (CIIL) was held on July 8, 2021

Initiative by MCA department

**This will facilitate collaborative activities in the area of Incubation, Entrepreneurship, Research, Skill Development Programs and Industrial Training**