



Our Patrons : Pimpri Chinchwad Education Trust

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Samvaad Editorial : Engineering with humanities

The graduate attributes are building blocks of development of any undergraduate curriculum. For an engineering curriculum, these attributes talk about enhancement of knowledge, skills, creativity.

AICTE recognizes the need of articulation of human values for the holistic development of student. In this view AICTE has already taken steps to conduct an induction program at the beginning of the engineering to reinforce fundamental concepts and language skills. Along with engineering education, in order to give broad understanding of society & relations as well as to nurture the character, by which students would understand & fulfil his responsibility as an engineer, a citizen & a human being, AICTE has included this induction programme.

The purpose of induction programme is to help new students adjust & feel comfortable in the new environment, inculcate in them ethos & culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration.

AICTE also recognises that through a humanities education that students are empowered to make moral, spiritual, and intellectual sense of the world. It is through humanities that character development and ethics can be incorporated in Engineering education.

A humanities education preserves the great accomplishments of the past, provides an insight into and understanding of the world we live in, and provides the tools to imagine the future. The humanities help us understand others through their languages, histories and cultures.

For an engineering educator, it is vital to inculcate in the engineering students, the importance of studying humanities that can open up their minds to the use of creative ideas from great minds outside of science. ... Humanities study can strengthen the ability of engineers to work and communicate with others.

Engineering is based upon the utility of specific knowledge. Technology is also related to science in the sense that it can often unlock the utility of science. i.e., engineering rests upon complex theoretical grounds, and that innovative engineering research and practice needs to cultivate and care for such grounds. We want our engineers to be technically sound and competent to solve real life problems.



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

This is possible only when then profound knowledge of science and engineering is accompanied with communications skills, leadership tendencies and project management acumen and nevertheless, ethics.

These pointed out reasons reveal the necessity of careful, appropriate partnership of Engineering and humanities. While intellectual identity and pedagogical methods are distinct, there remains a field of common ground large enough to permit mutually beneficial rules of engagement.

In this alliance, less important is the with the ease by which the content could be integrated, but rather with the responses of the students to this type of learning environment. Thus, the humanities must become a partner, equally powerful and equally determinative, with engineering, mutually engaged in the project of educating the engineer of the future.

*** Team Samvaad ***

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

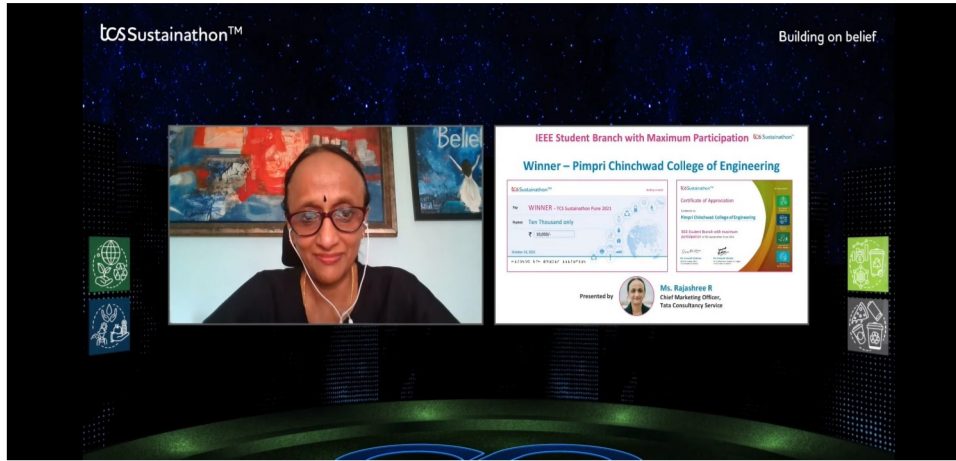
Executive Editors: Dr. Pravin R. Kale, Dr. Ajay K. Gaikwad

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PCCoE Achievements

PCCoE IEEE Student Branch received TCS Sustainathon -2021 Award for IEEE Student Branch with Maximum Participation.

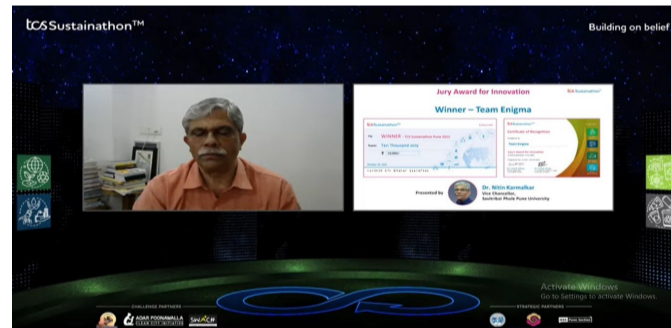


PCCoE received a grant of Rs. 2 lacs from AICTE students Development and Welfare Department, to visit ATAL Tunnel constructed at Rohtang valley, Himachal Pradesh for 10 topper students form Civil and Mechanical Engineering branch. The visit was arranged by Dr. P R Kale (Dean, Students development and Welfare) and Dr. A K Gaikwad (Associate Dean), the study tour was from 25/10/2021 to 30/10/2021. Atal tunnel one of the construction wonder of 9.02km, longest tunnel in world, constructed at 10,000 ft MSL, reducing a distance of 34km and journey time by 5hrs.



Faculty Achievements

1. Dr. Arif Bagwan, Assistant Professor, Department of AS&H, received Ph.D. degree in Mathematics from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad under the guidance of Prof. Dr. D.B. Pachpatte, Department of Mathematics, Dr. BAMU Aurangabad. His research work has contributed to the Theory of Fractional Differential Equations.
2. Mrs. Asmita Manna successfully defended PhD Thesis on 1st October, 2021.



Students Achievements

A. Mr.Jayesh Kolhe, Mr.Guruprasad Deshpande & Mr,Vishal Khandagale	Registered Start-up company "ElectroLaxme Technology LLP " with a product "Automatic Sanitary Napkin Vending Machine" on 26/10/2021. Dr.Rajani.P.K is a faculty coordinator for this group.
B. Mr. Jayesh Kolhe, Mr. Guruprasad Deshpande, Radhika Doijad, Gargi Patel , Darshan Khope & Mr. Vishal Khandagale	Got Internship at Institute of Tropical Metrology, Pune from October 2021 to March 2022
C. Disha Kolte	Finalist in National Innovation Contest organized by MHRD and going through financial proposal assessment. Mrs. Shital Garade is the faculty coordinator.
D. Rutuja Nemane	One of the top 10 finalists of ACM W Lady Ada Competition in the National level
E. Harish Dalal	First prize in Virtusa Neuralhack Hackathon Season-5 for his project entitled "E-Mobile". Won a cash prize of 50K in the national level
F. Team Enigma- Abha Bodas, Khushi Desarda, Saylee Gulve, Prem Jadhav	Innovation Jury Award - TCS Sustainathon -2021, organized in association with IEEE Pune section, TCS. Rs. 10,000/- received as a cash Prize. Dr. Roshani Raut was mentor.
G. Crazycoders- Rahul Badgujar (TEIT), Akshay Munot (TEIT), Saurabh Nikam (BEIT)	Secured a Global Rank 253 and All India Rank 11 in total of 8586 participating teams in IEEEExtreme 15.0 Online Programming Competition. Dr. Sonali Patil and Ms. Meera Thorat (Mentors).
H. Saloni Bokare	Selected as International Service Director Member of Rotaract Club Pune , and Got Member of the Year 2021 award for Rotaract Club.

PCCoE Technical Feast

1. Dr. Rajani P.K, Komal Nair, Neha Motagi and Rupali Narayankar published a research paper on "Autonomous Smart Device for COVID-19 Detection using AI" in Handbook of research on Applied Intelligence for Health and Clinical Informatics (Book Chapter), IGI Global publication, pages 128-147 in the month of Oct 2021 (DOI : 10.4018/978-1-7998-7709-7).
2. Mr. P. V. Sontakke attended a National Level Workshop on "Work Study - Towards Effective Productivity" for 5 days from 04/10/2021 to 08/10/2021 in Online mode and also on, "Real World Interfacing with Arduino Uno on IOT Platform" for 5 days from 11th Oct 2021 to 15th Oct. 2021 in Online mode.
3. Mrs. Ashwini S. Shinde attended a National Level ATAL FDP on "Speech, Audio and Image Processing using Deep Learning Techniques: Research issues, Innovation and Applications" for 5 days during 18/10/2021 to 22/10/2021 in Online mode.
4. Mrs Swati Jagtap and Sharada Patil organized a National Level Three days workshop on "Universal Human Values" during 11th to 13 Oct 2021 which was delivered by Dr. M.T. Kolte and Mr. Umesh Jadhav in online mode for 148 participants.
5. Mrs. Ashwini S. Shinde organized a National Level Three days technical Symposium "FestX-2021", during 8th to 10th Oct 2021 which was delivered by Ms.Ankita Hemnani and Mr.Shreyash Gajlekar in online mode for 243 attendees.
6. Dr. Varsha Bendre worked as a Session chair in International Conference on Smart Generation Computing, Communication and Networking (SMARTGEN) 2021 during 29th and 30th Oct. 2021 at AISSMSCOE, Pune.
7. Mrs Swati Jagtap worked as a Coordinator for MoU which is signed between Capgemini and PCCoE on 12th Oct. 2021 at PCCoE.
8. Dr.Rajani.P.K worked as a Reviewer in International Conference on Electrical, Computer and Energy Technologies (ICECET21) during October 2021 at Cape Town, South Africa.
9. Dr. M.B.Kadam received copyright for his article "Shekhchilli, Phandi aani Tumhi Aamhi." ROC:-L-108972/2021.
10. Dr. Priya Joshi, Sidharth Bhalgat, Gagan Baranwal, Atharva Athavale and Pratik Gaikwad received a copyright on "Prevention of Humans from electrocution due to high voltage" with diary no. 26291/2021-CO/L.
11. MOU with Ultratech cement Ltd. for knowledge sharing, providing consultancy, providing training, organizing conferences, seminars, workshops, guidance to faculty members etc. was coordinated by Mr. Swapnil D. Kurhade which is funded by Ultratech cement Ltd.
12. Swati Jaiswal published a research work on "Three-element compensation network for DWPT systems for power transfer boosting" in SCOPUS, 47th Annual IEEE Industrial Electronics Conference IECON 2021 (13-16 oct 2021).
13. Smita Khairnar, Dr. Sonali Patil, Dr. Shilpa Gite, Dr. Sudeep Thepade published a research paper on "A SECURE APPROACH FOR IOMT DEVICES USING FOG COMPUTING" in Scopus, Journal Name- Design Engineering (Toronto),3rd Annual International Conference on Innovative Engineering Intelligent System Integration 2021 (ICISI-2021); VOL 2021: ISSUE 05
14. Smita Khairnar, Adwait Pathak, Tejas Patil, Shubham Pawar and Piyush Raut published a research work on "Secure Authentication using Zero Knowledge Proof" in Scopus, IEEE International Conference- Published on 04 October 2021; DOI: 10.1109/ASIANCON51346.2021.9544807.
15. A guest session on "Intellectual Property Rights (IPR)- Patent and Design Process" delivered by Dr. Pankaj Borkar, Dy Controller of Patents, Patent Office Mumbai & working at RGNIPM Nagpur organized by Department of Computer Engineering, PCCoE in association with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur Pallavi Dhade and Asmita Manna organized this webinar to spread awareness on Intellectual Property Rights and Patent Filing Process for 250 participant.
16. A guest session on "How to Write article/report using Latex" delivered by Mrs. Ashwini Vaze was organized for 200 attendees by Department of Computer Engineering, PCCoE organized this webinar to guide TE Seminar Students for preparations of Seminar reports in Latex. Faculty Coordinators were Smita Khairnar and Sushma Vispute.
17. Mr. A. A. Panchwadkar presented Paper entitled "Comparison Between LevenbergMarquart, Bayesian and Scaled Conjugate Algorithm for Prediction of Cutting Forces in face Milling Operation" and "Crack Detection Using Image Processing" in Virtual International Conference on Product Design, Development and Deployment (PD3- 2021) in Virtual International Conference on Product Design, Development and Deployment (PD3- 2021) at School of Mechanical Engineering, Vellore Institute of Technology, Vellore.
18. Omkar Kharade, Harish Bhandari and Dr. S.S. Lakade received ISHRAE, ISHRAE SRPG UG grant of Rs. 50,000/- for topic "Design and development of controlled Environment Agriculture system for advanced urban vertical farms".
19. Abhishek Chaudhari, Kalpesh Patil, Priyanka Chaudhari and Dr. S. S. Lakade have filed patent for "Apparatus for Pulling and Shredding Plant Stalks" with Application number : 202121012331 and Patent No.: 379417
20. Dr (Mrs.) Anindita Roy has filed a patent on "A low Density Low Temperature (Deg-C) Thermocone Thermal Energy Storage Tank" with Application Number 202121044931 and date of Filing is 04/10/2021 and on "LWM- Solar Cooker: Simple Low Cost Light Weight Modular Solar Cooker" with Application Number 202121043252 and date of Filing is 23/09/2021.
21. Mrs. Chaitrali Sorte has registered a copyright on "TWITTER SENTIMENT ANALYSIS" and on"FLOWER CLASSIFICATION CONVOLUTIONAL NEURAL NETWORKS".
22. Dr. Roshani Raut and Ms. Anuja Jadhav have registered a copyright on "How to write Conclusion and future scope".
23. Babita Jane, Vaibhav Ghodake, Prasad Gahiwad and Nilesh Deshmane have registered a copyright on "Object detection using deep learning".
24. Dr. Jayshree Katti received grant by AICTE, ISTE to organize a one week FDP on "3D Interaction Design using ARVR" .
25. Dr. Sonali Patil delivered sessions on, " Indian Patent Drafting and Filing Procedure" at IoT, Lavale, Pune, "Recent Trends in Blockchain", at National level FDP arranged by VIIT, Pune, "Blockchain Technology and Smart Contracts", for Lila Poonawala Foundation Engg. Girls.
26. Ms. Bhaksti Ratnaparkhi filed and published a patent on "Optimised Skin Care Product Recommendation System Based on SVM Based Machine Learning, No.202141035032.

PCCoE Expressions



Photography by Mrs. Swati Jagtap,
Dept. of E&TC Engineering

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

Photography by Mrs. Swati Jagtap,
Dept. of E&TC Engineering

PCCOE Announcements



The website of Department of IT was launched at the hands of Director Dr. G. N Kulkarni on 27/09/2021.

Congratulations to Dr. Arif Bagwan on his Ph.D. degree in Mathematics accomplishment!!!!