PCCoE's
Samvaad
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......Connecting Minds & Souls

Our Patrons : Pimpri Chinchwad Education Trust

Inside This Issue

Samvaad Editorial : Metaverse: Technology-Enabled Magical World of Tomorrows

Metaverse has become today's buzzword and all this buzz & hype is similar to that of 'The Internet' in the 1970s. Since then, the internet has impacted every corner of our life and in the future, the metaverse is going to bring evolutionary change to this world. So, the metaverse is considered to be the future of the internet.

The word metaverse consists of 'meta' and 'verse', wherein the literal meaning of 'meta' is 'beyond' and that of 'verse' is 'universe'. So, the metaverse means anything that is beyond the universe or in other words - anything which is virtual.

Metaverse is the 3D virtual world that enables us to enter into it and interact virtually with others. Just like we keep our profile photos for WhatsApp or Facebook as our social image, metaverse will allow us to choose our social image as our avatar. Using our chosen avatar, we can enter into the virtual world and interact with others as we are interacting physically.

Dr. Swati Shinde
Professor and
Dean Reasearch & Development

This is like the Hindi movie "Mr. India", where an actor can appear and disappear at any time and any place. Isn't it interesting? Yes, we can do the similar thing by using metaverse. To understand it more, consider the following use cases of metaverse-

Our avatars can join **official meetings** where everyone can see and feel others like they are seated nearby physically. This is more real than our online meeting where we can only hear and see each other's faces through video but it doesn't give the feeling of all sitting around the table in a room.

By just sitting at my place and entering into the metaverse, I can **play cricket** at Wankhede stadium with any cricketer of my choice.

With the help of metaverse, I can **travel** to any local or foreign destination of my choice, wherein I can enjoy the tour, can see the places

We can **get together** with family members and friends residing in different cities/countries. This is possible by entering into the metaverse and feeling their physical presence in the party.

You can **interact with the persons in history**, who are not alive today.

We can **shop virtually** as if we have physically entered a supermarket, picking up and filling the cart, trialing the dresses, etc.

More than this which has not yet been imagined is going to be possible with the metaverse.

Following are some real stories of metaverse use in India-Asia's first marriage on the metaverse of an Indian couple was scheduled on 6th February. Dinesh Sivakumar Padmavathi (groom), 25, and Janaganandhini Ramaswamy (bride), 24, got married in the metaverse which was attended by more than 6,000 people worldwide. The interesting thing about this marriage **is that t**he bride's late father was a guest of honor and he blessed the couple like he was alive there.

The Movie 'Radhe Shyam' starring Prabhas and Pooja Hegde becomes the first movie to have created a unique version in the metaverse and offered the people to create their own avatars in the metaverse.

Metaverse has become more popular since October 2021, when Mark Zuckerberg the CEO of Facebook has announced that their entry in the name of 'Facebook' has been changed to 'Meta'.

Key technologies that power Metaverse are: Augmented reality (AR), Virtual reality (VR), Blockchain, Cryptocurrency, Artificial Intelligence, IoT, etc.

In summary, metaverse will enable us to do all the things which we were previously only able to dream about and completely free us from any physical limitations.

Guest Article: "Women in Technology"

Hi Everyone,

Hope you and your families are keeping yourselves safe and healthy in these pandemic times. I see that world is coming out of the shell once again and we are slowly discovering on how we move ahead with the virus co-living with us as this pandemic seems like turning into endemic. I will continue to encourage practicing masking, social distancing and cleaning our hands as often as we practically could and keep our surroundings clean.

Few days back, when **Dr. Swati Shinde**, Professor in Computer Engg. Dept., came and asked me to write this guest editorial, I was contemplating on the subject that will keep all of you interested and make you reflect on your dreams and aspirations. Knowing very well - each one of you will start to experience the "**Corporate World**" soon enough, I wanted to focus the topic on "**Women in Technology**" and comment upon some of the areas which I see as sunrise – like Cyber Security, Artificial Intelligence, Data and Analytics at large.

Meera Damkondwar
Leader – Communication Strategy & Design Group
Infosys Technologies, Bangalore

When I reflect back on my own journey in the Corporate, lot was happening in the global offshoring space and India was seen as a typical problem solver in all those areas which were considered non-core – meaning areas like Software Testing, Application Development and Maintenance etc. However, we have walked long distance from there to where we currently lead in some of the most prolific areas. With the advent and access to large amounts of data accessible, we have embarked into areas like Customer and Market Insights, Data & Cyber Security. And in each of these areas, I see Women taking leadership roles and driving the strategies around Content, Data, Cyber and helping companies meet and exceed their strategic priorities and making businesses profitable.

This decade has seen an increase in women's participation in the IT (Information Technology) industry as they make up 34 percent of the total workforce in the sector, according to the Ministry of Electronics & Information Technology 2017-2018. It stands third-highest among all non-agricultural sectors in the country after e-commerce (67.7%) and retail (52%) as per NASSCOM in 2018. A March 2020 NASSCOM report "India's Tech Industry: Women For The Techade" says that **women constitute 35 percent of India's technology industry.**

While women are increasingly joining the workforce in the tech industry, it is also important to note that young girls in **India comprise 30 percent of engineering students** which is among the highest in the world and more than the developed nations like the US, UK, Germany and France as per All India Survey on Higher Education (AISHE).

These numbers show an upward trend in women's participation in the technology industry in India; however, a lot needs to be done to achieve gender equality in this space when it comes to women's representation in key decision-making roles in tech-based companies.

Today, when engineering roles are considered viable professional options for women in Indian households in the long run, it is also a reality that we see a leak in the pipeline which doesn't allow women to reach higher positions in their career.

Through this editorial, I wanted to reach out to each one of you and encourage realizing your dreams and aspirations. I want each one of you to be successful and wish you the very best in your endeavors.

Lastly, I will want to thank **Dr. Swati Shinde** for giving me this window of opportunity to interact with you virtually through this editorial.

Cheers.

People I met at Persistent

Hey friends, Ruchira here, just another PCCoE student who started her most awaited first job at Persistent, in August, 2020. During the transition from a student to employee, I met some brilliant minds working at Persistent, who had a great impact on my thinking & career as well...

It all started with SIH, a national level Persistent Partnered Competition, where we met a very humble senior Project manager from persistent. He encouraged us to keep exploring new things. It was a great meet of course. But I think, I was more happy & grateful when I met the Centre head of persistent, for my last round of interview & had a one on one interaction with him. This 40 minutes of friendly discussion was for sure a turning point of this whole journey! Let me tell you his famous saying." Don't be a jack of many things, be Master of One At a time." isn't it so practical & thoughtful for this growing IT industry! This has been my "Guru Mantra" since then…

This didn't stop here, after entering this company, I met many talented friends, colleagues, managers-leaders who believed in me more than myself, and encouraged me to explore the unexplored. They scolded me when I did something wrong and also guided me to take next steps...

While looking back, I feel lucky to have such good people around since the beginning, to help build a solid foundation for my career.

Faculty Achievements

1. Mrs. Rita S. Pimpalkar published Copyright No. 24485/2021-CO/L on the topic "Vibrating Mechanism for Post Processing of 3D Printed Models"
2. Indian Patent Granted in the name of PCCOE Pune, Patent No. 390610, on the topic "IoT based Smart Helmet" to Dr. Roshani Raut and Ms. Anuja Pathak
3. Dr. Sonali D. Patil Elevated as IEEE Senior Member**,** a highest grade. It is a global recognition.

Students Achievements

Akshata Saptasagar	Selected as **Publicity Brand Ambassador** for TENSYMP 2022, IEEE Region 10 Symposium
Soham Bacchuwar, Shivani Pokale, Nilambari Todakari, Vedant Bhosale, Pooja Kharde, Ajinkya Mhasawade, Simran Kam-	Selected in **IEEE Pune Section Student Council** Team
Aniket Dhole	His project (along with 4 other students from US, Canada and Kenya) received a grant of $10,000/- in Milken-Motsepe Prize in AgriTech.
Apurva Hingmire (TE E&TC)	selected in SPPU Korfball Team for All India Inter University Korfball Competition being held at T. C. College, Baramati.

PCCoE Technical Feast

1. PCCoE Director Dr. G. N. Kulkarni delivered a session on "Open Book Assessment" for all the faculties of PCCoE on 21st February 2022 at venue LRDC. This session was coordinated by Mr. Rajkamal Sangole, Dr. N. Vivekanandan and Dr. Sheetal Bhandari.

2. Dr S.L Tade coordinated Faculty Orientation Workshop on TE E&TC Revised Syllabus 2019 under the Aegis of Board of Studies Electronics & Telecommunication, Savitribai Phule Pune University, for the Subject Project Management (304193). The speakers for the workshop were Dr. N. B. Chopade, Dr. S. L. Tade, Prof. Sonali Sawant and Prof. Ashwini Shinde

3. Mr. Kapil Vhatkar published a paper on "A Comprehensive Survey on Container Resource Allocation Approaches in Cloud Computing: State-of-the-art and Research Challenges", Web Intelligence-An International Journal, Scopus & WoS Indexed Journal, ISSN 2405-6464 (E) , ISSN 2405-6456 (P)

4. Dr. Jayashree V. Katti delivered session on Augmented and Virtual Reality in Industry 4.O at AICTE-ISTE sponsored FDP entitled "Industry 4.0" by Govt. Polytechnic, Nanded

5. Dr. Rachana Y. Patil, Harshwardhan C., Sunny D., Mehul L., Rohit N. published paper on "Management of Digital Evidence for Cybercrime Investigation- A Review1", Reddy V.S., Prasad V.K., Wang J., Reddy K. (eds) Soft Computing and Signal Processing. ICSCSP 2021. Advances in Intelligent Systems and Computing, vol 1413. Springer, Singapore. https://doi.org/10.1007/978-981-16-7088-6_11 ISBN: 978-981-16-7087-9

6. Dr. Rachana Y Patil , Deore S., Bachche R., Bichave A. published paper on "EHR-Sec: A Blockchain Based Security System for Electronic Health", Reddy V.S., Prasad V.K., Wang J., Reddy K. (eds) Soft Computing and Signal Processing. ICSCSP 2021. Advances in Intelligent Systems and Computing, vol 1413. Springer, Singapore. https://doi.org/10.1007/978-981-16-7088-6_26; Springer, Scopus, WoS

7. Prof. S. S. Sambare published book chapter on "Application of Block-chain in Agriculture Sector for Supply Chain Management". Book Chapter Published in "21st Century Innovations in Management, Science and Technology, Education and Social Sciences", INSC International Publishers, Page No. 190-199, Volume: First- 2022

8. Mrs. Anjana Arakerimath, Mr. Sopan Aghav and Dr. Varsha Harpale organized and participated in study visit at BHAU institute of COEP, Pune on 23rd February 2022

9. Mrs. Anjana Arakerimath participated in One Week STTP/Refresher Program on "Project Based Learning (PBL)" from 21 Feb 2022 to 26 Feb 2022 at Department of E&TC of AISSMSCOE, Pune in association with BoS (E&TC) of SPPU

10. Dr.Amol Karche of Dept of AS&H presented a research paper entitled Kinetics and Oxidation of Methanol by imidazolium Dichromate in a International Conference Organized by Mahatma Phule ASC College, Panvel, Navi Mumbai on 26-02-2022

11. Prof. Ketan Desale received Travel Grant of Rs. 1.20 Lakh from AICTE - (AICTE Professional Development Scheme & of Rs. 30,000/- CSIR - Partial Financial Assistance (PFA) Scheme. Total Travel Grant received was 1.50 Lacs. He Attended 7th International Congress on Information and Communication Technology Conference from 21 Feb 2022 to 24 Feb 2022 at Brunel University, London, UK using this fund.

12. Nayankumar Kadhre, Prof. Ketan Desale*, Rohit More and Chaitanya Palghadmal published a paper titled "Recognition of Handwritten Digits using Neural Networks: A Review" at ICICC-2022 Conference. The proceedings will be published in Springer Lecture Notes Series.

13. Prof. Ketan Desale, Dr. Swati Shinde published a paper titled "Addressing Concept Drifts Using Deep Learning for Heart Disease Prediction: A Review" in Proceedings of Second Doctoral Symposium on Computational Intelligence . https://doi.org/10.1007/978-981-16-3346-1_13

14. Institute's Innovation Council (IIC)* supported by *MHRD's Institute's Innovation Council (IIC)* organized Webinar on *My Story-Motivational Session By Successful Entrepreneur/Startup Founder* Speakers were Vaibhav Joshi (Founder & CEO, ReformUp) and Tejashree Ghule (Founder & CEO, ReformUp)

15. PCCoE's - Institutions Innovation Council (IIC) in association with Ministry of Education's IIC organized workshop on "Entrepreneurship and Innovation as Career Opportunity" 45 students participated in this Activity speaker was Mr. Sopan Aghav

Mrs. Anjana Arakerimath, Mr. Sopan Aghav and Dr. Varsha Harpale organized and participated in study visit at BHAU institute of COEP, Pune
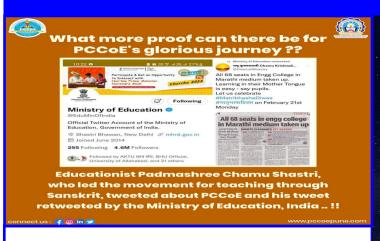

Glimpses of workshop on Entrepreneurship and Innovation as Career Opportunity.

Dr. G. N. Kulkarni delivering the session on Open Book Assessment at PCCoE LRDC

PCCoE Expressions

What more proof can there be for PCCoE's glorious journey ??
Educationist Padmashree Chamu Shastri, who led the movement for teaching through Sanskrit, tweeted about PCCoE and his tweet retweeted by the Ministry of Education, India .. !!
PCCoE च्या दैदिप्यमान वाटचाली बद्दल अजून काय पुरावा द्यावा ??
संस्कृतच्या माध्यमातून शिक्षण देण्याच्या चळवळीचे नेतृत्व करणारे शिक्षणतज्ञ पद्मश्री चामू शास्त्री यांचे PCCoE बद्दल चे ट्विट आणि मिनिस्ट्री ऑफ एज्युकेशन , भारत यांचे त्यांच्या ट्विटला रिट्विट ..!!

Department of Electronics and Telecommunication Student's Association with IETE student Forum (ETSA-IETE) organized a event *CLEVERBOTS* and 135 students participated in event
Faculty Coordinators: Mrs. Ashwini S. Shinde, Dr. S. L. Tade, Dr. M. T. Kolte

Webinar on "Voting Rights" was organized on "National Voters Day" for all Students and Faculty Members by a speaker Mr. Rahul Nitware (Faculty Unique Academy, Pune). Organization was done Dr. A. K. Gaikwad and Dr. P. R. Kale under the guidance of by Dr. G. N. Kulkarni,

PCCOE - Persistent Systems Alumina Meet . 26th Feb 2022 , 10.30 to 1.00 P.M
Faculty Coordinators:
Ms Priya Surana(Alumina coordinator),   Mr Shrikant Kokate(III coordinator)and   Mr Rahul

The session was conducted by MESA and Systems Engineering group successfully.
About 115 students attended the session and explored new opportunities in MBSE. The session was conducted by Mr.Raphal from Capgemini working for Airbus (Germany)
Faculty Coordinators
Dr. N. Vivekanandan (Associate Dean Academics)

SDW and Life skill coordinators of Dept of AS&H, Organized five Drawing Sessions for First year B.Tech. students
Faculty Coordinators: Mrs. Suwarna Shete and Mrs. Sujata Bhamre

Rangoli by Mrs. Anjana Arakerimath, HOD MCA

Sketch by Mr. Manoj Thorat

PCCoE Announcements

PCCOE CIIL has provided Seed Fund Support to startups by offering #financial #assistance to #startups in order to foster the formation and development of creative, technology-based business enterprises that would assist young #entrepreneurs in starting their own #businesses and creating more jobs.
So, If you are a #startup and #looking_for_support & raising funds
connect to us : www.PCCOECIIL.com
Contact:
CIIL Incubation Manager- 7397963409
Email: Incubationmanager.ciil@pccoepune.org
We can't wait to help you to become a successful entrepreneur, feel free to enquiry !!