Monthly News Letter
15th June 2021
Volume 1, Issue 3



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Samvaad : Guest Column - 'Constant' in the equation of life

We are all going through the most unprecedented and unpredictable phase of life. The pandemic has brought us close to the fact that life is 'one day at a time'. Who will survive these covid times, like the past; survival is always attributed to those who are adaptable, survival is never of the fittest (Dianasores the fittest would have survived – they didn't survive as they weren't adaptable).

Everything seems so unreliable, nature of the virus – unreliable, line of treatment – unreliable, when will the pandemic end – unreliable, information if this virus is natural or manmade – unreliable, with so many 'unreliable' pieces of information, what then is reliable and who will survive this pandemic?

As engineers we realize the importance of 'constants', we can't solve a mathematical problem with only variables, we need some constants. Well, drawing a parallel with these times, what then is 'constant'? The 'constant' in this equation is as old as the trees and the hills; the books we read and the friends we keep and the only survivors will be those with a strong mind -set. Take a break and contemplate on these underlined words, does it ring a bell?

If you are looking for a new idea, read an old book! It's not a mere cliché that, books are our best friends – they are. The footprints of many wise souls remain unexplored in books. Reading to the mind is like breathing to the body. Can you imagine the life of those who don't read – it's like a choking mind gasping for fresh air. The pandemic has made oxygen concentrators and ventilators a common name, all this for keeping the body alive and kicking – what about the mind? The current onslaught of technology has increased screen-time, devices, folders, files, etc. and the one thing common for devices and online services is 'password protection'. What about the mind – is your mind password protected???

Books play a pivotal role in shaping and strengthening our mind-set. Everything has a flip side, so does reading. What we read matters, one can choose academic reading material, Holy Scripture, history, arts, sports, Positive Mental Attitude books or pornography. This is a choice one needs to make. Reading is not limited to hard copy, reading is also done on devices, however reading is reading. Reading gives us an opportunity to keep ore learning attitude 'ON' and a learner in life is always refreshed and renewed.



Mr. Shirish P. Sebastian
International Educator & Wellness Coach

Please be mindful of the fact that we belong to a land where Saints were scientist, saints who were well versed with scripture, it's unfortunate that the modern world has many scientist but few saints. The more you read the more closer you come to realize that there is so much more to learn and grow. Reading is step one, application of what is read is as important as reading. If I were to author a book 'Roadmap to become a millionaire in 90days' and if it sold a million copies in 90days, I for sure will become a millionaire! Does this guarantee that all those who bought the book will become millionaires as well?

There are so many books to choose, what I can suggest to the readers of Samvaad;

As a man thinketh – James T Allen, The Magic of Thinking Big – Dr David Swartz, How to win friends and influence people – Dale Carnegie, Ignited Minds – APJ Kalam, Man's search for meaning -Viktor Frankl, to name a few. Don't worry about the list, you just make up your mind that you want to learn and grow – books will find you.

When the going gets tough, the tough check on who they are travelling with. Your company matters. The people we choose to invest our time with is a choice we make. Our thoughts, words, actions, habits, character and destiny all are marked with our companions. Judge-mental as we are, we instantly start evaluating our companions, **STOP**, start evaluating 'self'. People in you company are scaling up in life and being pulled down. What is your value addition/contribution in your circle? It's always advisable to stay away from those who can't take 'No' as an answer and also from those who demand a 'Yes' for everything. Your real companions are those, where 'you can be you' without any false mask.

Take a clue from the life of mystics, millionaires or hardened outlaws, they are voracious readers. They are what they are because of the choices they've made of the books they read and the friends they keep. Password protect your mind with Books & Friends. Hope this input, which also is available to those who read, serves you well. Challenge yourself to read one book a week, in 52 weeks you would have completed 52 books and be a friend, motivate one of your friend, relative, batch-mate, room-mate to read, reach-out to one person every week and in a year you would have connected 52 individuals who will never forget you and your advice. *Padega insaan tho badega insaan, sahi saath tho sahi vikas.*

***** Team Samvaad *****
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Disclaimer : The authenticity and responsibility of Information, opinion expressed in the features, notifications and articles of Samvaad rests with the authors.

Samvaad Editorial : Now Engineering in 'Marathi'

Engineering will now be taught in all other Indian languages including 'Marathi'. The All India Council for Technical Education (AICTE) has currently approved teaching it in eight Indian languages including Marathi from the new academic session. In the coming days, AICTE plans to teach it in about 11 Indian languages. Meanwhile, the other seven Indian languages in which it has been approved to teach along with Marathi include Hindi, Bengali, Telugu, Tamil, Gujarati, Kannada, and Malayalam. This will help provide quality teaching to more students and thus increase Gross Enrolment Ratio (GER) in higher education. It will also promote the strength, usage, and vibrancy of all Indian languages. Students who learn in Marathi will have to take a compulsory English course at the college. Even though the 'Engineering' will be taught in Marathi, the technical words used in course materials will continue to be in English





Dr. Sudeep D. Thepade

Stress on local language by National Education Policy 2020

AICTE has taken this initiative at a time when education is being done in local languages in dozens of countries including Germany, Russia, France, Japan, and China. Recently, the new National Education Policy 2020 in the country has also emphasized the study in local Indian languages.

The benefit to Children with learning in Regional Language

By studying in local languages, children can learn all subjects very easily in a better way. Children from rural areas are fluent in regional language which would encourage them to speak out and ask questions. While studying in English, they are reluctant to speak up just because they are not confident in their English. To date, many bright students used to stay away from these courses due to fear of English. If the child is being taught in a language they do easily understand, good learning will happen and as This initiative will benefit the children from rural and tribal areas the most because at present they retreat from studies due to these courses being in the English language.

Engineering in 11 local languages too

At present, it has been permitted to teach only in eight local Indian languages including Marathi. In the coming days, there will be a facility to study engineering courses in 11 local languages as well.

Study material being prepared with the help of software

AICTE has started the preparation of courses in all these languages with the permission to start engineering courses in eight local Indian languages using the software, which is capable of translating in 22 Indian languages. AICTE has recently developed this new software of its kind. Also, the online open courses developed on a government platform are getting translated into eight regional languages. The experts are working to translate books from English to regional languages.

Even though English is an important and most commonly used language all over the world, having its knowledge is required. However, there is no compulsion on its usage. Education is the basis of our future and its sole purpose is to ensure that knowledge is bestowed upon everyone. Knowledge is what is important and not the language used to acquire it. Professional courses require greater understanding, interpretation of concepts that can be done very well when you study through native language.

Therefore, in a multi-linguistic country like India, one should be free to be educated in any language or way, he or she wants. Barriers can limit talented minds

Multidisciplinary Approach: A case study of Foundation Program at Ahmadabad University

There was a time when Academic Departments were fragmented into silos with minimum scope and opportunities for cross-learning and interactions among disciplines, but the scenario has changed for its good. Today the most effective universities worldwide work with a multidisciplinary approach where learning happens quite differently. Few broader benefits of Multidisciplinary approach are:

1. Exposes students to new and diverse disciplines, concepts, thoughts or perspectives, and also helps them discover what interests them, and how to link their specialized areas of study to other variables.
2. Viewing issues from multiple disciplinary perspectives enables development of student expertise and skills for life-long learning (NAS2018, NRC2003).
3. Real world problems are simultaneously humanistic, scientific and technical…and therefore approaches to solve these need to be similarly integrative (Gell-Mann 2010)

Positive student motivation, critical thinking, holistic thinking (Stolk and Martello 2015)To enhance breadth and depth of education conscious attempts are being made worldwide to break down boundaries between various disciplines The eagerness to know how exactly the right course combination can be built is a driver of my recent reads. One interesting encounter is the Foundation Program at Ahmadabad University The

Theme of the program:

Foundation Program is developed around six contemporary and diversified domains namely Data Science, Communication, Behaviour, Constitution & Civilization, Materials and Biology & life. All students entering undergraduate program at Ahmadabad University go through this program irrespective of their discipline or major in the first year The program is built with an Objective "To develop Individuals who recognize their role as members of society and are willing to work towards solving society's problems and create a more and just equitable society

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Designing the contents:

Twenty four faculty (four from each domain) were involved in initial design of course. Around 8-10 important topics are identified in each domain by respective group.

Domain wise topics are:

1. Biology and Life: Diversity and distribution of life, Mode of infection and disease
2. Materials: Impact of materials on civilization (iron age, bronze age, electronic age-----Why are the ages named after materials), Impact of current and future materials on environment, e-wastage and their recycling
3. Behaviour: Individual's notions of themselves, identities and insecurities, how individuals behave in groups, and how groups influence individual behaviours
4. Constitution and Civilization: Becoming familiar with the Indian Constitution (Key articles of the Indian constitution, comparing and contrasting principles and values to other constitutions), value system and justice
5. Communication: Gaining the ability to read and comprehend short articles and papers, training in logical thinking, speaking in the limits of one's evidence
6. Data Science: Data collection, organization and visualization, statistical analysis and visualization through software like Excel etc.



Dr. S.U. Bhandari

Implementation approach:

Four thematic studios are created namely democracy & justice, environment & climate change, neighbourhoods and Water to cover above learning topics. Each studio is delivered in one week. Morning sessions are faculty driven with lectures/discussions while afternoon sessions are activity based monitored through TAs

Capstone project:

Steps involved in one such project are

1. Sampling water from different neighbourhood
2. Doing chemical and biological testing
3. Map to Socio Economic conditions in the city
4. Water Supply; whose responsibility? Suggestions for improved governance
5. Submission of work for assessment

Students are required to carry out all steps irrespective of their domain.

Learning Assessment: P/NP

Tools for student Engagement:

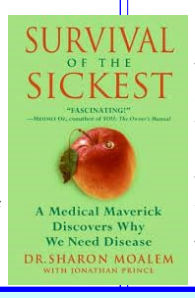
1. Mandatory weekly reflection on domain topics
2. Weekly Student feedback
3. Periodic Emails from students upon progress
4. Open house
5. Webinars
6. FAQs

I was fascinated to see successful journey of Foundation Program!

Book Recommendations: Survival of the Sickest by Dr. Sharon Moalem

Of Skin, Cholesterol and Evolution

Indisputably, the skin is the largest organ of the human body. One of the most important functions of the skin is to protect the body's store of folate. Folate is one of the B-vitamins needed to make red and white blood cells in the bone marrow, convert carbohydrates into energy, and produce DNA and RNA. Adequate folate intake is extremely important during periods of rapid growth such as pregnancy, infancy, and adolescence. Another important function of the skin is the manufacturing of vitamin D when exposed to sunlight. You will be amazed to learn how our skin played a role during evolution.



Dr Anindita Roy

The skin and human evolution :Humans evolved in Africa rightly called as the cradle of human birth. As humanity was evolving, we had a light skin below a coat of dark hair like chimpanzees. With evolution, as the hair got scarce, the exposure of our skin to UV rays increased. This threatened the store of folate (folic acid) needed to produce healthy babies and created an evolutionary preference for dark skin which is full of light absorbing and folate protecting melanin. This is the reason why our African brethren have a dark skin tone. As some populations moved to the northern latitudes, where sunlight was scarce, the dark skin designed to block UVB worked well too. However, instead of protecting against the loss of folate, it was preventing creation of Vitamin D. In order to produce sufficient Vitamin D from the limited availability of sunlight created an evolutionary pressure for a lighter skin tone. Scientific research says that white skinned people are actually black skinned mutants.

Skin and Cholesterol Connect: UV rays that penetrate the skin destroy folate, but create Vitamin D. Dark skin evolved to protect folate, but it didn't evolve with a switch to generate Vitamin D. However, evolution is a clever sort. It kept room for Apolipoprotein (ApoE4) in the genes of dark-skinned people.

Guess what ApoE4 does? It elevates the cholesterol levels in the blood. With more cholesterol, dark skinned people can maximize the use of sunlight converting it to Vitamin D.

We have discussed two parallel adaptations to manage the sun's dueling effects-the evolution of a dark skin to protect our folate and the evolution of a genetic trigger for increased cholesterol to maximize production of Vitamin D. Both these adaptations are common in people of African Descent and are effective in the bright, strong sun of the equatorial Africa. Now, you must have understood, the reason why African Americans have almost twice as many fatal heart attacks as European and South Asian Americans. If you knew, you might be able to control your cholesterol by getting enough sunlight to convert it to Vitamin D, won't you rather venture into the open sun/tanning salon than a lifetime of medicines?

Read on to understand why sunglasses are actually bad for your skin.

Why you should not wear sunglasses in the sun?

We know, skin color changes in response to sun exposure. The trigger for that response is the pituitary gland. Under natural circumstances, as soon as you are exposed to the sun, our pituitary gland produces hormones that boost the production of melanin. However, the pituitary gland gets this information from the optic nerve. The optic nerve senses sunlight which signals the pituitary gland to kick start the production of melanin. Guess what happens when you have your sunglasses on? Much less sunlight reaches the optic nerve, much less warning is sent to the pituitary gland, much less melanin producing hormone is produced with the result that one may get sunburnt. So, if you are reading on the beach with your sunglasses on, do your skin a favor- remove them. If you are wondering how people with dark skin make enough Vitamin D, you are asking the right question. So read ahead.

Scientific Breakthrough : "Accelerating Digital Transformation in challenging times"

This is the theme of World Telecommunication and Information Society Day (WTISD) 2021. It has been celebrated annually every 17 May since 1969 to mark the founding of International Telecommunication Union (ITU) and the signing of the first International Telegraph Convention in 1865.

The Digital transformation is happening all around us. Information and Communication technology sustain life, work, health and learning. The COVID-19 crisis has not only highlighted the critical role of information and communication technologies (ICTs) for continued functioning of societies but has also brought to the fore the startling digital inequalities between and within countries.



Dr. Anuradha Thakare

ICTs ensure access to healthcares, education and essential goods and services for billions of people. Radiocommunications, telecommunications standards and telecommunication developments all support growth, inclusiveness, accelerate digital transformation, strengthen cyber security, develop national emergency telecommunication plans foster innovation and infrastructure, build effective partnership. Together we can make humanity, safer, stronger and more connected.

Digital Technologies are vital to fulfil the promise and build resilience against future challenges. Celebrating WTISD 2021 is an opportunity to continue to push for digital transformation by promoting national strategies on ICT development, smart policies to encourage investments, cooperation, and partnership.

So, lets promote universal connectivity, to make the transformation equitable safe, inclusive and affordable for all.

PCCOE Technical Feats

1. Dr. Varsha K Harpale and Bairagi Vinayak published "Improved epileptic seizure detection using singular spectrum empirical mode decomposition and machine learning approach", in WoS Indexed Journal of Statistics and Management Systems, 1-21, doi.org/10.1080/09720510.2020.1862958
2. Dr. Sudeep D. Thepade, Renuka S Gound, "Removing Haze Influence from Remote Sensing Images Captured with Airborne Visible/Infrared imaging Spectrometer by Cascaded Fusion of DCP, GF, LCC with AHE", in Proc. of 2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS) , pp 658-664 doi 10.1109/ICCCIS51004.2021.9397060
3. Dr. Sudeep D Thepade, Abhishek Gokhale, Aishwarya Patki, Janhavi Khindkar, Pooja Chaudhary , In Proc. of 2021 International Conference on Emerging Smart Computing and Informatics (ESCI), pp 396-401, doi 10.1109/ESCI50559.2021.9397010
4. Mr. A Bhosale, Mr. G Rahate and Dr. N.B. Chopade published "PHY Layer Design for MIH in GNU Radio" in Micro-Electronics and Telecommunication Engineering. Lecture Notes in Networks and Systems, vol 179. Springer, Singapore. https://doi.org/10.1007/978-981-33-4687-1_15.
5. Mr. Ashok Suryawanshi, Dr. N. B. Chopade and Mr. Hrishikesh Mehta got accepted their manuscript entitled "Micro-controllers and Power Devices used in Multilevel Inverters - A Survey " to be published in International Conference on Green Energy, Computing and Sustainable Technology 2021 (GECOST 2021), Miri, Sarawak, Malaysia, 7-9 July 2021.
6. Mr. G. R. Rahate organized "Two day webinar on Practical aspects in Mobile Technology by Mr. V. M. Dapurkar Ex-principal RTTC, BSNl, Chinchwad, Pune" on behalf of Department of E&TC on 22-23 May 2021. Total 95 participants attended the webinar.
7. Ms. Archana Bhamare and Ms. Sharada Patil were granted copyright for "Electronic measuring instruments and tools lab manual" Registration No : L-103636/2021, dated Registration 24-05-2021 / Application date 2-3-2021.
8. Mr. Sopan Aghav and Mrs. Anjana Arakerimath coordinated National Level Webinar jointly organized by MCA Department and Entrepreneurship Development Institute of India (EDII), Ahmedabad on 19 May 2021. The speakers for the event were Dr. Pankaj Bharti, Dr. Baishali Mitra and Dr. Lalit Sharma, EDII-Ahmedabad. Total 103 participants were benefitted from the webinar.
9. Mr. Anand Jain has published book on "Operating System Concepts" with Vision Publications, ISBN: 978-93-5016-411-2.
10. Dr. Rajeswari K. , Bhosale A.S., Jadhav S.S., Ahire H.S., Jaybhay A.Y. published " Study of Medicine Dispensing Machine and Health Monitoring Devices" in Online ISBN 978-981-33-6691-6 ; https://doi.org/10.1007/978-981-33-6691-6_33.
11. Ms. Smita Khairnar, Dr. Shilpa Gite and Dr. Sudeep Thepade published their work on "A Bibliometric Analysis of Face Presentation Attacks based on Domain Adaptation" in Library Philosophy and Practice (e-journal). Issue: 2021 ; ; ISSN: 1522-0222.
12. Dr. Anuradha Thakare, Ahmed M. Anter, Diego Oliva and Zhiguo Zhang have published their work entitled "AFCM-LSMA: New Intelligent Model based on Lévy Slime Mould Algorithm and Adaptive Fuzzy C-means for Identification of COVID-19 Infection from Chest X-ray Images" in Advanced Engineering Informatics SCIE, Scopus, INSPEC, International Journal ; ISSN: 1474-0346, May 2021.

11. Ms. Sonal Gore and Jayant Jagtap published "Local Binary Pattern-Based Texture Analysis to Predict IDH Genotypes of Glioma Cancer Using Supervised Machine Learning Classifiers" in Scopus (Pubished in Springer book series - Advances in Intelligent Systems and Computing (AISC, volume 1300)) ; Online ISBN 978-981-33-4367-2 ; https://doi.org/10.1007/978-981-33-4367-2_1.
12. Dr. Anuradha Thakare, Subradeep, Anant Sutar, Omkar Biranje and Shravani Nimbolkar have their copyright registered on source code of "Convolutional Neural Network for Pneumonia Detection" Diary No: 4168-2021-CO/L.
13. Dr. Anuradha Thakare & Prof. Kapil Tajane have organized International Webinars on Project opportunities in Japan and Innovation in Agriculture on 10th and 11th May 2021. The speakers were from Thai-Nichi Institute of Technology, Thailand and Avas Digitech International Limited.
14. Ms. Smita Khairnar, Ms. Swati Chandurkar and Ms. Shailaja Pede have applied for patent on "Sensor based Intelligent System for detection of black fungus among covid-19 recovered patients" Application no. 20214017995.
15. Dr. Swati Shinde, Prof. Madhura Kalbhor are Special Session organizer for Session on "International Conference on Cyber Security, Privacy and Networking (ICSPN 2021) September 17-19, 2021, (Virtual Mode) and also for Session on 6th International Conference on Computational Intelligence in Data Mining, (ICCIDM-2021), Organized during December 11-12, 2021 in India.
16. K H Gupta and Dr. A K Gaikwad published "Optimization of dispatching schedule of ready mixed concrete (rmc) plant for multi-plant and multi-site operation condition: a literature review" in Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, Volume 8, Issue 5, May 2021, pp: f783-789. (UGC / IF 7.95)
17. Department of Civil engineering organized Guest lecture for TE Civil students Membrane Technologies in Water Treatment by Ms. Yogita Patel [Pursuing MSc. in Water Science and Engineering, KIT, BW, Germany]
18. Dr. S. T. Mali delivered a session on 'Urban Water Supply and Management' under Audit Course, for S.E. students organized by Department of Computer Engineering, PCCOE, on 27/05/2021. Total 320 students attended the session.
19. Mrs.Nameeta S.Sane delivered a session on "Agriculture Water Use" under Audit Course, for S.E. students organized by Department of Computer Engineering, PCCOE, on 27/05/2021.
20. Mr. T. S Khambekar delivered a session on Understanding water under Audit Course, for S.E. students organized by Department of Computer Engineering, PCCOE, on 27/05/2021.
21. Mr. T. S Khambekar participated as a Panel Member for the course ' Solid Waste Management' in Three Days Online Workshop for Drafting of T. E Civil 2019 Pattern Syllabus, organized by AISSMS College of Engineering, Pune in association with Board of Studies, Civil Engg, SPPU from 3 rd May to 5 th May 2021.
22. Mr. T. S Khambekar participated as a Panel Member for the course ' Operations Research ' in Three Days Online Workshop for Drafting of T. E Civil 2019 Pattern Syllabus, organized by AISSMS College of Engineering, Pune in association with Board of Studies, Civil Engg, SPPU from 3 rd May to 5 th May 2021.
23. Ms. Anushree A. Chandragade participated as Panel Member for the course of "Solid Waste Management", in Three Days Online Workshop for Drafting of T. E Civil 2019 Pattern Syllabus, organized by AISSMS College of Engineering, Pune in association with Board of Studies, Civil Engg, SPPU from 3 rd May to 5 th May 2021.
24. Ms. Anushree A. Chandragade delivered a session on "Water Resources Planning and Management" under Audit Course, for S.E. students organized by Department of Computer Engineering, PCCOE, on 27/05/2021.
25. Ms. Babita Jane, Aditya Padgal, Yash Gaikwad, Aniket Patil have published their article "Video-Based Sign Language Translation System Using Machine Learning" in IEEE 2nd International Conference on Emerging Technologies (INCET 2021) Scopus.
26. Ms. Jaya H. Dewan, Aniruddha D. Tupe, Yash U. Joshi and Snehdeep B. Tambe published "Diabetic Retinopathy Detection using Image Processing Techniques: A Study" in Springer 3rd International Conference on Data & Information Sciences, Agra, India May 14-15, 2021(Scopus).
27. Ms. Jaya H. Dewan, Atharva V. Jadhav, Omkar K. Dongre, Tanmay K. Shinde and Deepak S. Patil published "A Study on approaches for Automatic Number Plate Recognition (ANPR) Systems" in Springer 3rd International Conference on Data & Information Sciences, Agra, India May 14-15, 2021(Scopus).
28. Dr. Jayashree Katti, Prasad Bhavsar, Riya Desale, Mohit Gidh, Pooja Chaudhary and Dr. Sonali Patil published their article entitled "Knowledge Transfer to Preschoolers based on Augmented Reality" in IEEE 5th International Conference on Intelligent computing and control Systems, May 6th -8th, 2021.(ICICCS 2021)(Scopus).
29. Dr. Sonali Patil and Ms Pallavi Dhade published their Springer book entitled "Integrated Multi- Biometric template Security based on hybridization of Feature Transformation and Image transformation" in in Engineering Proceedings of First Global Conference on Artificial Intelligence & Applications (GCAIA 2020). ISBN 978-981-334-604-8. Page No. 737-749.
30. Ms. Anuja Jadhav Dr. Roshani Raut and Dr. Sonali Patil filed for copyright on "Design and Analysis of Algorithm Lab Manual" Diary No.:9010/2021-CO/L.
31. Ms. Anuja Jadhav Dr. Roshani Raut and Dr. Sonali Patil published their book "Computer Architecture and Organization" publication house: Lambert Academic Publishing. ISBN: 978-620-3-84731-4. Published on :2021-04-19.
32. Ms. Swati Jaiswal, Ms. Spurti shinde, Ms. Anuja Jadhav and Dr. Roshani Raut published their book "Computer Programming & Problem Solving- I" Publication: Nirali Prakashan ISBN: 9789354510984. Published on : 12 May , 2021.
33. Ms. Ashwini Vaze, Dr. Leena Sharma, Patil J. V. and Bachhav A published "Study of calcium profile in neuronal cells with respect to temperature and influx due to potential activity" in Scopus indexed "Mathematical Modeling and Computing, Vol. 8, No. 2, pp. 241–252 (2021), ISSN : 2415-3788.
34. Dr. Priya Joshi, Ajinkya Patil, DeoKumar Manwar, Priyanka Pol and Shreya Thorat registered for copyright on "All about Equations: A Website for balancing chemical reactions" Diary Number: 11943/2021-CO/L.
35. Dr. Priya Joshi, Harsh Jadhav, Kavishree Meshram, Dhruv Notwani and Atharva Upasani registered for copyright for "Virchem: A Website for Drawing Graph" Diary number: 12257/2021-CO/L.
36. Dr. Surbhi Sengar published book chapter entitled "Reliability analysis and cost optimization in manufacturing systems" Published in Systems Reliability Engineering, De Gruyter Publications, 2021, ISBN : 9783110617375.

Faculty Achievements

Dr.Sudeep D. Thepade	Achieved a Milestone of Getting **102 Research Papers Indexed on online IEEE Xplore** Participated in Syllabus Drafting of TE IT at SPPU as Member BoS IT
Dr. Sandip T. Mali	participated as Course Coordinator for the course of ***Solid Waste Management,*** and panel member for courses **Water Supply Engineering** and **Wastewater Engineering** in Three Days Online Workshop for Drafting of TE Civil 2 01 9 Pattern Syllabus at AISSMS College of Engineering, Pune in association with Board of Studies, Civil Engg, SPPU from 3rd May to 5th May 2021
Dr. Rajani P.K	Has been considered as a Member of the Technical Committee (TC) & Reviewer for the International Conference in Imaging, Signal Processing & Communication (ICISPC 2021) to be held in Kumamoto, Japan supported by Kanazawa and Hyogo universities, Japan on July 23-25,2021.
Dr Roshani Raut	Delivered a invited session on "Research Paper writing Tools and Techniques", at Zulelal Institute of Tech., RTM Nagpur University, on 8th May, 2021
Dr. Rachana Y. Patil	Received "Research Excellence Award" by Global Innovation & Excellence Award GIEA 2021.
Dr. Swati Shinde	Along with PG student Prachi Waghmare received "Best Paper Award" for "Image Caption Generation Using Neural Network Models And LSTM Hierarchical Structure" presented in CIPR 2021, Springer Conference. Her Paper entitled "Artificial Intelligence Based on Image Caption Generation" makes SSRN Top 10 List with 95 downloads as of 31st May 2021.

Six Best Paper Awards in cPGCON 2021

The PG Computer Engineering Received Six Best paper AWARDs in cPGCON 2021 organized by BoS Computer Engineering SPPU and SKN CoE, Pune

Guide	PG Computer Student	Paper Title
Dr.Sudeep D. Thepade	**Ms. Mrunal Idhate**	Contract enhancement of dark images using weighted blending of various existing methods in image enhancement
Dr. Anuradha Thakare **Ms. Archana Kadam**	**Ms. Neha Mule**	An Intelligent Application for the classification of Diabetic Retinopathy
Dr. K. Rajeswari	**Mr. Hrushikesh Joshi**	Predicting Personality Traits From FMRI
Mr. G.S.Sambare	**Ms. Vaibhavi Golgire**	Traffic Sign Detection Using Machine Learning
Mr.. Rahul Patil	**Ms Chetana Chaudhari**	Identification of spammers in twitter using recurrent neural network (RNN)
Ms. Deepa Abin	**Ms. Sanskruti Dhore**	Real Time Face Mask Detection Using Deep Learning

Students Achievements

TEAM AUTOMOZER	Secured **2nd Position** in TRACK-1 under **ICEM Hackathon 21** organized by Indira College of Engineering and Management, Pune on 31 May 2021 **guided by Mr. D.S.Lal**
Madhuri Shelke	Winner at National Level E-Poster presentation on COVID 19 Pandemic@ Sandip Institute of Engineering Management, 22 May 2021.
Piyusha Sanjay Salunkhe and Kaushal Kishor Kulkarni	Qualified till regional level for national level competition of AICTE Chhatra Vishwakarma Awards organized by AICTE **guided by Ms Sharda Patil**
ShubhamDas, Desai Sanket, Dhol Aishwarya, Dube Vaishnavi	Shortlisted for Zonal final round of "Tata Crucible Hackathon 2021 which is schedule on 15th and 16th June 2021 guided by **Ms. Sonali Sawant and Mr. Swapnil Ayane**
Team Red Baron	Won 3'rd Prize, Cost Event, BAJA SAE INTERNATIONAL-2021 and Worldwide 10'th Rank in BAJA SAE INTERNATIONAL-2021 under the **guidance of Mr. Ummid Shaikh**

PCCOE Expressions

कोरोना एक सर्वसामान्य आजार

मागील एक वर्षांपासून आपण कोरोना विषयी खूप ऐकले, पाहिले व समजावूनही घेतले तरीसुद्धा कदाचित कोरोनाविषयी नीटसे समजलेले नाही अशीच भावना प्रत्येकाची असेल.

बऱ्याच वर्षांपूर्वी आत्ता येणाऱ्या तापाविषयी अशीच भावना लोकांची होती. कारण त्यावेळी ताप काय असतो हे माहित नव्हते.नंतर सवय झाली.कोरोनाचेही तसेच आहे.हळूहळू सवय होईल. पण तोपर्यंत काय करायचे हा प्रश्न आहे. एकदम साधी, सोप्पी गोष्ट आहे. व्हॅक्सिनेशन नसूतानादेखील व कुठलेही औषध नसताना केवळ क्वारंटाईन होऊन हा आजार बरा होतो. अर्थात काही काढे,व्हिटॅमिन हे घ्यावे लागतात. मग प्रश्न आहे कि काही हमखास उपाय आहे का यावर ? तर आहे. तर तो हा कि पहिल्यापासूनच एकदम पॉझिटिव्ह राहणे.

हा माझा स्वतःचा अनुभव आहे. पॉझिटिव्ह राहणे म्हणजे आपल्या बुद्धीने आपल्या शरीर व मनाला सतत सांगत रहायचं कि मला काही होणार नाही. यात आपण आपल्या मेंदूच्या एका महत्वाच्या गुणधर्माचा वापर करून घ्यायचा आहे. आपण आपल्या मेंदूला जे काही सांगतो तेच तो सर्व शरीरात पोहोचवतो.

पण तसं बघायला गेलं तर हे थोडंसं कठीणही आहे. कारण याला पाठबळ लागत ते आपल्या जगण्यामागे असलेल्या आपल्या आयुष्यातील ध्येयाचं. जस, एखाद्या घरातील कर्ता पुरुष जर दारू पीत असेल तर घरातील स्त्री वैफल्याने ग्रस्त होऊन स्वतः दारू नाही पीत. कारण तिला तिच्या मुलांना जागवायचं असत, वाढवायचं असत. हे तिचं ध्येय झालं. यात तिचा मेंदू तिला शरीरात राहून साथ देत असतो. म्हणून आपल्यालाही एक निश्चित ध्येय हवं. आणि हे ध्येय जर अध्यात्मिक असेल तर शंभर टक्के काम होईल.

.....म्याकोलेच्या रिंगा रिंगा रोजेस आणि घुसी घुसी ग्येन्दर च्या बिनबुडाच्या शिक्षण व्यवस्थेत रामाला आयुष्याचं ध्येय ठेवा असे सांगणे म्हणजे महानगरपालिकेतल्या मलनिस्सारण विभागातल्या कारकुनाने फ्लुइड मेकॅनिक्स मध्ये नोबेल मिळविण्याचे स्वप्न बघण्यासारखे आहे. असो. सांगण्याचा मुद्धा हा कि आपल्या आयुष्याला जबरदस्त ध्येय जर असेल तर काय हिम्मत आहे त्या मृत्यूची कि तो आधीच आपल्याला गाठेल ? ********* **डॉक्टर प्रिया जोशी**

अंगण..

अंगणात माझ्या वारे खेळते.
सगल्या फुलांचा सुगंध दरवळते.
कुणी येनार तेही कळते.
अंगणात माझ्या वारे खेळते.
बांधलेल्या खंड्याला पाहुन,
रात्रि चोरही पळते.
पायधुळीनी रोज घरही मळते.
अंगणात माझ्या वारे खेळते.
गोठ्यात "रेणु" सुदधा हंबरते.
कानात वारे भरलेली "सोनु",
दुधासाठी हळहळते .
माझ्या वारे खेळते.
पावसात पाण्याची लाट ,
तर उन्हाळ्यात गरम वाफही वाहते .
हिवाळ्यात गवंतावरचे दंव मि पाहते.
अंगणात माझ्या वारे खेळते.
पाहुन अंगण माझें,
शेजारीही जळते कारण
त्यात सगळ्यांच्या प्रेमाचा सहवास
दरवळते.
अंगणात माझ्या वारे खेळते.

प्रा. स्वप्निल आयने (अणुविद्युत आणि दूरसंचार अभियांत्रिकी विभाग)

श्वासांची धडपड कायम असते प्यारी
मी रचेन दुनिया शून्यामधुनी सारी

आव्हान मला जे करून गेले लोक
देणार पहा मी उत्तर त्यांना चोख
मौनात साठली ऊर्जा अपूर्व न्यारी
मी रचेन दुनिया शून्यामधुनी सारी

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माझ्यासम सारे आपसूक मज जुळले
हास्याची फुलली शेते माझ्या दारी
मी रचेन दुनिया शून्यामधुनी सारी
का खपवू डोके नको नको त्या कामी
का हिशेबे मांडू दिल्या घेतल्याचे मी
मारणार आहे आता मुक्त भरारी
मी रचेन दुनिया शून्यामधुनी सारी

का मनात ठेवू नसते हेवेदावे
अन कुणास का मी दुःख उगाचच द्यावे
नव ठोक्यासरशी विहान होवो भारी
मी रचेन दुनिया शून्यामधुनी सारी

आनंद सदाही चेहऱ्यात मोहरतो
विश्वास मनाचा वास त्यामधे करतो
धारदार भाषा आणिक शब्द करारी
मी रचेन दुनिया शून्यामधुनी सारी

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Rangoli Designs by: **Mrs. Anjana Arakerimath**




Rangoli resemble life, all you have to do is to connect right dots to make it perfect.




PCCOE Announcements

PCCoE NAAC AQAR AY 2019-20 Accepted

The "Quality Assurance NAAC Team" have taken rigorous efforts to complete and submit the NAAC AQAR of PCCoE for AY 2019-20 which got accepted by NAAC Office on 23 May 2021.

Team Members: QA NAAC:
Dr. Sudeep D. Thepade (Dean QA), Dr. Varsha Harpale (Asso Dean QA), Dr. Leena Sharma (Incharge), Ms Deepa Abin (Incharge), Mr. A. R. Suryawanshi (E&TC), Ms. Tanuja Sali (IT), Ms. Anjali Sakurkar (ASH), Ms. Rita Pimpalkar (Mech), Mr. Rahul Chaudhari (Civil), Ms. Namrata Gawande (Comp), Ms. B. S. Khurana (MCA)

TIFAC MSME Program

PCCoE got shortlisted for final round of selection procedure for TAP (TIFAC Academic Partner) under **TIFAC MSME Program** with Faculty coordinator being **Dr. S. S. Lakade**

Toycathon 2021

Dr. S. S.Lakade is selected as **Toycathon 2021 Nodal Center Coordinator** and SPOC **Event dates are: 22-24 June, 2021**