



Our Patrons : Pimpri Chinchwad Education Trust

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Samvaad Editorial : Value Education for Consciousness development

This 'alternative view' of study and life can be provided to students so they may appreciate the need for living with human values and human-consciousness and make efforts to study & practice the same. The need for human education is as follows:

- Human beings belong to the 'knowledge-order'. Our fundamental need is knowledge.
- Humans have the expectation to understand the truth about everything, including their living
- There are such realities in existence and the possibility that we can understand them
- Humans have the capability for such understanding.
- The role of education is to enable this understanding.

PEDAGOGY OF EDUCATION: There are realities in existence and the meanings & understanding of these realities reside in the teacher/guru. Since words are the most potent means of communication, they are used to provide direction to the pupil's imagination. Education thus, is the process of transferring this understanding or right values (sanskar) from the teacher to the student enabling the student to have these impressions of reality & live accordingly.

The process of education has the following characteristics:

1. Addresses 'self'

The Education would address inquisitiveness and exploration by each child, since the innate need for every human is to know – in place of mere memorization and rote learning. One can respect the freedom of imagination and freedom of action in the child allowing for their creative thinking & expressions. One should have ability of Critical thinking which enables students to scrutinize & evaluate using their own freedom of imagination and decide between right & wrong, true & false in their own right.

2. Recognizes human relationship

It is based on sound teacher-student relationship – between one who knows and one who wants to know: as against it being a 'job' alone. It is based on values & evaluation, as against fear and enticement. (punishment and rewards). It fosters cooperation and mutual fulfillment with other children/ humans – in place of seeing them as opponents to compete against. It also promotes excellence – everyone can be excellent as against specialty & competition.

3. Integrated approach based on reality

The subjects would have taught in an integrated manner – as the inter-related fabric of the cosmos, to human life on this planet and our roles as individuals, in families, society, nation-state etc., as against fragmented teaching leading only to specialization. It addresses all dimensions of human living: realization, thought, behaviour and occupation – as against the current goal of education largely for an occupation, or 'to make a living'. It is based on the reality of Coexistence – of Existence being in harmony, that can be known – as against material-centrist chaos/instability based view or mysticism/god centrist views.

OUTCOMES OF EDUCATION: The person that successfully completes such education is endowed with the following five qualities:

- Has assurance, trust in oneself and his capabilities and knowledge

- Respects excellence in the other human – recognition of who has worked for, or reached the common human goal
- Has balance in his knowledge and personality – can live according to what he/she knows
- Is sociable in behaviour: pupils living does not cause an imbalance in society: lives within the confines of marital relationship and displays kindness in behaviour with other humans, lives with human values.
- Is self-sufficient in occupation: has the needed skills to work for his and family's material prosperity

The person with above qualities is capable of living in human-consciousness or with 'awakening' implementation. With the current educational content, Students don't get complete knowledge in any single subject in the current Education system. The study of the missing aspects need to be inculcated to make prevalent education complete: with addition of Conscious aspect in Science, addition of Mental-impressions in Psychology, addition of Ethical utilization of the material and conscious aspects in Economics, addition of Culture and Civics of Humaneness in Sociology, addition of Conservation and Encouragement of Humaneness in Political-Science, addition of Activity of Matter in Philosophy (Darshan-Shastra), addition of Human being and Humaneness in History and Geography, addition of Essential Reality in Literature.

CONCLUSION: The human values via consciousness development or Chetna Vikas Mulya Shiksha (CVMS) fulfills the criterion of universal, logical and verifiable, and livable. Universal means naturally acceptable to the human & natural to existence/nature and it is not being an imposition. Logical & Verifiable means appeals to human reasoning and intuitively and experientially verifiable. Livable means it comes in living i.e. it improves quality of understanding and living and leads to harmony with humans and nature. Living in human-consciousness or with 'awakening' results in an answer to every state/situation we live in, in a harmonious manner in all spheres of our living. This is called samadhan or 'resolution'. Such an 'awakened human being' lives with resolution within, with material prosperity in family, trust & cooperation (Fearlessness) in society & coexistence with nature – which itself is happiness, peace, satisfaction being recognized as human aspirations and goal.

Reference:- A Nagraj, 1998, JeevanVidya ek Parichay, Divya Path Sansthan, Amarkantak.

Dr. M. T. Kolte
Professor and Head of Department,
Electronics and Telecommunication Engineering, PCCoE.

*** Team Samvaad ***

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

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

Associate Editor: Mrs. Laxmi Kale (IT), Dr. A. K. Gaikwad (Civil)

Assistant Editors: Mrs. Sonal Shirke (EnTc), Mrs. Laxmi Kale (IT), Dr. M. Kadam (AS&H), Mr. H. H. Kadam (Mech), Mr. Bali Khurana MCA),
Dr. A. K. Gaikwad (Civil), Dr. Asmita Manna (Comp)

Guest Article: Life beyond academics and career

The scientific method has enabled us humans to objectively understand external reality. This has quenched our desire for the 'need to know'. The application of these learning's as technology and production systems, has improved our comforts and deeply impacted how we live and communicate – the internet and mobile technology being examples. As young students in engineering, we are consumers of these developments in humankind. These shall yield their own benefits – in the form of learnings, jobs, work-satisfaction & recognition, and money, that in turn shall address our needs for material comforts, etc.

The question to ask is, is human living limited to the above, or is there 'something more'? A recently concluded study by Harvard Medical School survey lasting over 75 years, (one of the longest such studies in the world) found that over a lifetime, Harvard Graduates who said they were 'happy' were the ones that had deep and fulfilling relationships. Some of them also said that they felt most contented, when they gave back something to society – this was most satisfying. Many that were relegated to only work and money (remember, we are talking Harvard here!) didn't have similar feelings to share and had many regrets.

We can see that our living, at the minimum, consists of these two aspects:

- 1) **Material** - where we understand Material reality, earn money, which in turn allows us to acquire material goods; and
- 2) **Behavioural** – the human relationships we have, how we are with others, how others are with us, and the expectations we have from each other. Usually in Family, and with close friends.

These are two aspects of our living, and two sources for our happiness and unhappiness. We can also see that each one of us has different assumptions and beliefs/ approaches to these two aspects of living. This means, there is a third dimension of living:

3) **Intellectual** – that enables to understand the external world, the people in it, including ourselves. This aspect forms the *basis* for what we do in the first two dimensions of living, and an important source of our internal happiness and unhappiness. We can call this a 'third' kind or source of happiness. If I am confused or disturbed within, no amount of science, technology or ice-cream is going to be able to help me.

There are also deeper fundamental questions such as 'Who we are' and 'what is our purpose of living' or the purpose of everything. This aspect of living is our fourth:

4) **Spiritual** – that helps us ascertain answers to such large ranging questions and gives direction and meaning to life. One can easily see that should we have confusion in this aspects, the other 3 aspects (and their happiness) are also impacted.

It is also easy to note that the contentment or satisfaction or happiness we get from #1 Material is short-lived, from #2 Relationships is longer, from #3 Intellectual is the longest, and from #4 Spiritual clarity is most fundamental. A 'full' human life requires that we pay attention to, and understand all four of these dimensions and live in Coexistence with all four and enjoy and experience all 'Four kinds of happiness or contentment'. More info at www.coexistence.info

Mr. Shiram Narasimhan
(BE, 1999), zshriram@gmail.com

Persistent Corner: PUNARAVARTAN : A collective effort to keep our city clean during Ganesh Utsav

I doubt there exists a single person in India who isn't aware of Ganesh Chaturthi. It is a festival that is celebrated all over India along with Indians all over the world. Like any festival, this one unites people who come together for the sole purpose of celebration and happiness.

There are two types of mixtures primarily used to create Ganpati idols, one is POP (Plaster of Paris) and the other Shaadu (river clay). Both types of idols are dissolved on the last day of the festival.

The e-Coexist organization had a campaign - PUNARAVARTAN. The cam-

paign wanted to collect and reuse 'Shaadu maati/clay' and hand it over to their artisan. The organization identified some centers to collect the clay sludge and volunteering help was needed at these centers. e-Coexist has identified 50 locations all over Pune city.

For this noble deed, many Persistent employees signed up to volunteer. We helped Mother Earth against air, water and noise pollution.

Mr. Ritvik Bhavan
Lead Software Engineer

Other Initiatives

PCCOE has successfully Organized **6th International Conference on Communication Control and Automation (ICCUBEA 2022) on 26 -27th 2022**. The Guest of Honour were Prof. Seeram Ramkrishna, National University Singapore, Dr Sanjivkumar Padmanabhan, ARHUS University Denmark, Dr Ngyuen Hong Dung, Can Tho University Vietnam, Dr Sandip Patil, RWTH Aachen University Germany. Other members, Mr Prasad Shetye, VP Capgemini, Mr Atul Kurani, P CAPEGEMINI, Sanjay Gupta, VP CAPEGEMINI, Dr Sudarshan Kumar IITB, Dr Kishor Sarvadekar, IITBHU, Nilesh Adkar Henkel India, Dr Hanumant Dhumal WRD Pune, Dr Narendra Landge, BoG Member PCET, Dr Girish Desai Executive Director PCET, Dr Govind N Kulkarni, Director PCCE, Dr Nilkanth Chopade Deputy Director, PCCOE, Dr Mahesh Kolte GC ICCUBEA22, few outcomes of the conference are:

1. The conference has received 655 research papers from various premium institutions and industries, whereas 158 papers have been accepted for presentation and to be included in proceedings. 142 papers are from research institutes, 4 from industry and 12 papers from international universities.
2. Out of these 158 accepted papers, 25+ papers are from various institutes like NITs and regional colleges outside Maharashtra.
3. The special track of Research Advancement in Information System, Artificial Intelligence and Blockchain Technology was arranged where the international papers are presented from various countries like Malaysia, France and Vietnam.

4. ICCUBEA 2022 is technically co-sponsored by IEEE Pune section, and all presented papers will be published in IEEE Xplore digital library, which is Scopus-indexed and one of the top 5 research databases.

The **1st International Conference on innovations in Mechanical and Civil Engineering (iMACE)** jointly organized by Department of Mechanical and Department of Civil Engineering, Pimpri Chimchwad College of Engineering, Pune was held on 26th and 27th Aug 2022 in offline mode.

The objective of **i-MACE-22** was to create an international conglomeration of researchers, academicians and industrial experts. This forum served as a platform where researchers shared information about diverse technological advancements, innovations, and achievements in the areas of Mechanical and Civil engineering. Further, it had facilitated discussion that centers on the developments, challenges and solutions for sustainable development in the field of machine design, manufacturing, thermal and fluid engineering, automation, hydrology, water management, structural engineering, geotechnical, transportation, biomimic and construction management.

As an outcome, the 135 research papers were presented and sent further for SCOPUS proceeding publication

The i-MACE in association with Henkel Adhesives, the platinum sponsor, had also organized DAKSHA LOCTITE Expert training program .



Savitribai Phule Pune University (SPPU) has set a world record on 15th August 2022 (Independence Day) for the **"largest online photo album of people holding a national flag"** in the presence of Maharashtra Governor Bhagat Singh Koshyari. As per the Guinness World Records official adjudicator, Rishi Nath, the final measurement of the record has been declared as 1,52,559 photos. The event has officially set the world record and handed over the Guinness world record certificate to SPPU. This campaign was inaugurated on 09/08/2022 by Maharashtra deputy chief minister Devendra Fadnavis. **Under this campaign, PCCOE NSS volunteers have uploaded 900+ individual photos of faculties, staff & students on the SPPU website & Google form link.**



PCCoE Technical Feast

1. Dr. Rachana Y. Patil, Dr. Renu Kachhoria & Mrs. Savita Lonare published a paper titled “**A provably Secure Data Sharing Scheme for Smart Gas Distribution Grid using Fog Computing**” in International Journal of Information Technology, **Scopus, WoS**.
2. Dr. Rachana Patil, Mr. Manas Borse, Mr. Parth Shendkar, Mr. Yash Undre, Mr. Atharva Mahadik published a paper titled “**A review on blockchain consensus Algorithms**” in International Conference on Expert Clouds and Applications (ICOECA 2022) Scopus, WoS ; ISBN: 2367-3370.
3. Mr. S. S. Sambare, Mr. Madhukar B., Mr. Atharva U, Mr. Vaishnavi S Mahadik published a paper titled “**The Role of blockchain for sustainable agri food supplychain management**” in ICCUBEA-2022 IEEE.
4. Mr. S. S. Sambare, Ms. Akriti Singh, Mr. Chirag Kriplani, Ms. Shweta Kale, Mr. Tanuj Balkhande published a paper titled “**Automation on Employee On boarding Process**” in ICCUBEA-2022 IEEE.
5. Mr. S. S. Sambare, Dr. M. U. Kharat published a paper titled “**Design of efficient mobility architecture in heterogeneous network by location prediction and handoff management**” in ICCUBEA-2022 IEEE.
6. Dr. K. N. Vhatkar published Research Article, “**Self-improved moth flame for optimal container resource allocation in cloud**”, in SCIE and Scopus Indexed International Journal- “**Concurrency Computation Practice and Experience**” (Publisher- Wiley). ISSN-1532-0634.
7. Mohit Prasad et al. published, “**Synthesis, Structural and Optical Properties of ZrBi2Se6 Nanoflowers: A Next- Generation Semiconductor Alloy Material for Optoelectronic Applications**” in *ACS Omega* 2022, International Journal, SCI and SCOPUS, <https://doi.org/10.1021/acsomega.2c02666>.
8. Dr. S. T. Mali et al, presented paper on, “**Effect of variation of Empirical Exponent Coefficient Values in Water Distribution Network Analysis**”, in 1st International Conference in Innovation in Mechanical and Civil Engineering organized by Department of Civil Engineering and Mechanical Engineering, PCCOE, on August 26-27, 2022.
9. Dr. A K Gaikwad et al. presented paper on, “**Risk Management in Building Construction Project using Mathematical Tools**”, in 1st International Conference in Innovation in Mechanical and Civil Engineering organized by Department of Civil Engineering and Mechanical Engineering, PCCOE, on August 26-27, 2022.
10. Mr. Parag Ankad et al presented paper on, “**Nonlinear Geometric Analysis of Multilayer Tensegrity Tower**”, in 1st International Conference in Innovation in Mechanical and Civil Engineering organized by Department of Civil Engineering and Mechanical Engineering, PCCOE, on August 26-27, 2022.

Faculty Achievements

1. Dr. N B Chopade was invited as Referee for Ph D Thesis entitled, “**Approach for Automated Detection & Classification of Masses in Mammographic Images**” submitted by Mr Pramod P Bhalerao in Swami Ramanand Teerth Marathwada University, Nanded 431606 and conducted Open Defence (online) on 30/8/2022.
2. Dr. N B Chopade was Invited as an Expert to conduct NBA Mock (Tier I) of Electronics & Telecommunication Engineering Program at Vishwakarma Institute of Technology on 06/08/2022.
3. Dr. N B Chopade was Subject Expert for Faculty Local Selection Electronics & Telecomm Engineering at S B Patil College of Engineering, Indapur, Dist Pune on 24/08/2022.
4. Mr. Kiran Landge, AS&H Dept., for completed MBA degree with ‘O’ grade.

Students’ Achievements



1. Team Water Guardians has won **1st prize of 1 lac in Grand Finale of Smart India Hackathon 2022** held at IIT, Roorkee from 25—29 August 2022, Prof. Sontakke from EnTc Department was acting as faculty co-coordinator for the same.
2. Heartiest **Congratulations to Sarvesh Sunil Powar**, (Computer Branch) of Pimpri Chinchwad College of Engineering for getting selected in **Microsoft** as an intern with stipend of **Rs. 1,25,000 (One Lac Twenty Five Thousand) per month**.



PCCoE Expression



Institute level session on “**Introduction of Trauma Management and First Aid**” in coordination with RLSS (Rashtriya Life Saving Society- Pimpri Chinchwad) Organized by Dr. Gulbakesh Dharmale on 4th August. Mr. Harshal Kulkarni, RLSS, Chinchwad Branch Head and Mr. Kaustubh Zirpe, National Disaster management committee member were Speakers for the session.

PCCoE Art Circle



We are delighted to share with all that Art Circle has delivered blockbuster performance at Prestigious “**Purushottam Karandak 2022**”. Received fabulous response from the audience for play “**Endoscopy**”. Our Art Student Ms. **Swarupa Khalatkar (SY ENTC)** won prize for acting.

PCCoE ART CIRCLE successfully conducted “**Eco-Friendly Shadu Ganesha Idol Making**” Workshop on Saturday 20/08/2022.

Other Initiatives

75th Independence day is celebrated at PCCoE campus. **Major General A. S. Karki** was the guest of honor.



A lecture series on “Research Article Publications: AN Insight”, with LECTURE 2: “How to select suitable Journal/Conference/Book to submit a manuscript?” on 13th Aug’2022 by **Dr. Rajkumar Patil** of Mechanical Department.



Hon. Shri. Harshavardhan Patil , Trustee,
PCETs. PCCOE family wishes you “Happy Birthday”

PCCoE started **first radio community channel** of Pimpri Chichwad city “**PCET’s INFINITY 90.4 FM** ”, visited by **Dr. Salil Kulkarni**, Director, Musician.



PCCoE Ranking

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PCCoE Announcement

Inauguration ceremony of PCCoE– IJBC “**Know Japan**” Event is held at PCCoE. The event is on 14th and 15th Oct. 2022 at PCCoE campus.

Venue
Pimpri Chinchwad Education Trust
Pimpri Chinchwad College Of Engineering
Sector -26, Pradhikaran, Nigdi, Near Akurdi
Railway Station, Pune - 411 044.

14TH & 15TH OCT 2022
09:00 AM - 05:00 PM

FOR MORE DETAILS AND REGISTRATION

<http://www.pccoepune.com/pccoe-ijbcknowjapan/>