



Estd. 2001

- KNOWLEDGE
- INNOVATION
- TEAM SPIRIT
- RATIONALITY
- LEADERSHIP
- CREATIVITY

EMINENCE

Thakur Educational Trust's (Regd.)

**THAKUR INSTITUTE OF MANAGEMENT STUDIES,
CAREER DEVELOPMENT & RESEARCH**

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

ISO 9001 : 2015 Certified • MCA Program Accredited by National Board of Accreditation, New Delhi
Accredited with A+ Grade by National Assessment and Accreditation Council (NAAC), Bangalore

Our Vision

Thakur Institute of Management Studies, Career Development & Research will become a premier institute renowned internationally for providing education in software application to graduates from various disciplines.

Our Mission

To achieve excellence in providing software education so that students can grasp existing as well as emerging technologies and to inculcate leadership and managerial qualities in them so that they can deliver results in the organization they join.

Quality Policy

We, the staff, faculty and management of Thakur Institute Of Management Studies, Career Development and Research are committed to offer excellence in software education, conducive academic environment and state of-the-art infrastructure to our students. We work as a team and interact with students in pro-active manner to achieve our Quality Objectives and fulfill all academic, statutory and regulatory requirements to entire satisfaction of our students as well as for continual improvement of QMS.

EDITOR

Dr. Vinita Gaikwad

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Ms. Yachika Yadav

From the Editor's Desk



Thakur Institute of Management Studies, Career Development and Research (TIMSCDR) was established in the year 2001, under aegis of Thakur Educational Trust of the Thakur Education Group, with a clear objective of providing quality technical education in tune with international standards and contemporary global requirements. We at TIMSCDR have strived to achieve this by not only meeting the changing requirements of the Industry but also focusing on holistic development of our students.

We work continuously to provide a conducive learning environment to our students so that they develop their inherent skills and insight to fulfil any role in life they wish. One such initiative in our Institute is our college magazine "Eminence" that provides a platform to students to articulate their thoughts creatively. Eminence always has a plethora of articles, poems, graffiti on diverse topics ranging from emerging technologies to relevant environmental concerns to prevalent societal issues that showcases talent of our students and reflects on their beliefs.

The enthusiasm and zeal of the magazine editorial committee is commendable. I appreciate their continued efforts. I also express my sincere gratitude to all the staff and students who contribute in "Eminence" to make it a success every year.

Dr. Vinita Gaikwad

Director

Our PEOs and POs

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. To enable students to gain knowledge across all domains of Information Technology with in-depth understanding of their applications.
2. To enable students to analyze problems and to design and develop software solutions using emerging tools and technologies.
3. To enable students to continue Life-long learning, Research and Entrepreneurial pursuit in their chosen fields.
4. To develop communication, teamwork, and leadership skills necessary to manage multidisciplinary projects and serve the society as responsible and ethical software professionals.

PROGRAM OUTCOMES (POs)

1. **Computational Knowledge** - Apply domain specific knowledge of computing and mathematics for designing of software solutions for defined problems and requirements
2. **Problem Analysis** - Understand and analyze a problem and suggest feasible solutions
3. **Design/ Development of Solution** - Design, evaluate, and develop effective solutions for complex computing problems to meet desired needs
4. **Conduct investigation of complex computing problems** - Design and conduct experiments and use research-based methods to investigate complex computing problems
5. **Modern tools usage** - Use appropriate techniques and software tools for computing activities
6. **Professional Ethics** - Understand and commit to professional norms, regulations and ethics
7. **Life long Learning** - Recognize the need for and have the ability to engage in independent learning for continual professional development
8. **Project management and finance** - Understand and apply project management principles, as a member or leader in multidisciplinary environments
9. **Communication Efficacy** - Effectively communicate technical information, both oral and written with range of audience
10. **Societal & Environmental Concern** - Analyze societal, environmental, cultural and legal issues within local and global contexts when providing software solutions
11. **Individual and Team Work** - Work as a member or leader in diverse teams in multidisciplinary environments
12. **Innovation and Entrepreneurship** - Use Innovation and Entrepreneurship for creation of value and wealth

To achieve high ethical and academic standard, students are instructed to follow the Code of Conduct prescribed by the institute



Code of Conduct for Students

ACADEMIC CONDUCT

- As a part of academic work, time to time submissions are scheduled for assessment of respective subjects. It is mandatory for the students to follow the schedule and submit the work complete in all respects on time.
- Any research paper/ project/ report submitted by the students has to be original work of the student. Plagiarism shall not be accepted.

REGULAR ATTENDANCE

- Subject-wise attendance is taken every day. Students should have 75% attendance in all subjects and in developmental programmes like guest lectures, training programs, field visits etc. as per University of Mumbai Ordinance 0.6086.

GENERAL CONDUCT

- Wearing ID-Card in campus is compulsory.
- Formal and decent dress code should be maintained (half-pants, Capris, three-fourths, are not allowed).
- Only English language shall be used for oral / written communication on campus.
- Students should not talk amongst themselves whenever anyone is addressing the class as a whole. If any students are found disturbing the class with notorious activities, necessary disciplinary action will be taken.
- Loitering in the corridors and making noise on the premises is strictly prohibited.
- Consumption of alcohol, tobacco, drugs, cigarette, and smoking is prohibited in the institute. Students should refrain from visiting smoking joints in the vicinity of the campus.
- Access will not be allowed into lectures, computer labs, seminars after the start of the session. Late comers will be refused entry and should leave immediately, if requested.
- In the event that a student wishes to leave a lecture, seminar or computer lab before its scheduled finish time, the prior permission of the Professor concerned should be obtained except in the case of departure necessitated by reason of illness or other unforeseen circumstances.
- Laptops and other auxiliary aids can be used, in classroom & Labs with permission from the Professor concerned.
- No audio or video recording of any session

should take place without the permission of the Professor/ Speaker concerned.

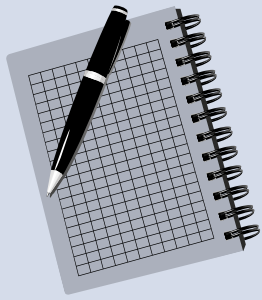
- Food & Beverages shall be consumed only in refreshment room or canteen.
- Misuse or damage to any learning

materials including collar mikes, computers, sound systems or LCD Projectors, furniture, fittings, or any other property belonging to the institute will not be tolerated and will lead to disciplinary action, and the entire class will be held responsible for it and shall be liable to pay fine as applicable.

- Seating arrangement in the classroom should not be disturbed.
- Caution Money will be refunded as per the refund policy of the institute.
- Library books and Card should be returned as per the Library policy.
- Comply with all important dates provided by examination section without fail.
- Provide faculty teaching feedback unbiasedly and fearlessly to facilitate positive changes in teaching / training system and help to improve its efficiency and effectiveness.
- Participate in departmental and institutional activities/ programmes individually and in groups to enhance your learning and help to increase the brand value of the Institute.
- Encourage and share best practices and innovations at all levels to set new standards and benchmark for the Institute.
- Avoid gossip and false propaganda.
- Be vigilant & report any incidences that need immediate attention & corrective action.
- Ragging is prohibited under the Maharashtra State Act of 1999 within or outside of education premises and any act by participant is punishable.
- Learn and notice the drills during any emergency / accident like fire, flood, electrical shocks, etc.
- Read notice board and visit college website regularly for latest updates to be well informed at all times.
- Do not use cell phones within the Classroom & Labs.
- Be in regular touch with the Mentor-Faculty and bring to her/his notice difficulties if any.
- Any illegal activity within the college premises is strictly prohibited.

INDEX

| Title | Author | Page No. |
|--|---|----------|
| The Year That Was... 2022-2023 | Editorial Team / TIMSCDR | 1 |
| International Conference ICAIM - 2022 | Editorial Team / TIMSCDR | 8 |
| नाही, मला मारू नका, कारण मी मुलगी आहे | Shweta Waghmare, Asst. Proff., TIMSCDR | 11 |
| Scatch | Kiran Singh / 139-C | 11 |
| KEYBOARD (जन्म - आयुष्य - मृत्यू) | Shweta Waghmare, Asst. Proff., TIMSCDR | 12 |
| तुला सांगू | Shruti Mashke/ 72-B | 13 |
| It's Me | Vandana Gupta/ 40-A | 13 |
| प्रेम की परिभाषा | Yachika Yadav/ 189-C | 14 |
| Women a Warrior | Yachika Yadav/ 189-C | 14 |
| Scatch | Kiran Singh / 139-C | 14 |
| उड़ान | Pranali Dalal/ 21-A | 15 |
| Scatch | Kiran Singh / 139-C | 15 |
| Dear Z- Gen | Rohini Bagul- Ahire/ Asst. Proff., TIMSCDR | 16 |
| Meditation, a Stress Reliever! | Swarupa P. Khedekar / Asst. Proff., TIMSCDR | 18 |
| Forgiving: Easy or Difficult | Kiran Dubey, Librarian, TIMSCDR | 19 |
| Little Things | Alifiya Shaikh / Asst. Proff., TIMSCDR | 20 |
| खुद, मैं ही हूँ | Kiran Dubey, Librarian, TIMSCDR | 21 |
| Personality Development | Rajat Sharma / Alumni Batch 2020-22 | 22 |
| B2B Marketing | Rajat Sharma / Alumni Batch 2020-22 | 23 |
| #My Feelings Challenge | Alifiya Shaikh / Asst. Proff., TIMSCDR | 23 |
| My Journey Towards Entrepreneurship | Kundan Yadav / 178-C | 24 |
| Bitcoin - The End of Money? | Manjunath Sherigar / 127-C | 25 |
| Impact of Elon Musk's Starlink on Russia-Ukraine war | Babita Tiwari / 155-C | 26 |
| Scatch | Babita Tiwari / 155-C | 27 |
| Mumbai Girls - 1st Indian Women to Fly Light Sport Aircraft around the World | John Misquitta / 79-B | 28 |
| Do you know? | Editorial Team / TIMSCDR | 30 |



The Year That Was... 2021-2022

- Editorial Team
TIMSCDR

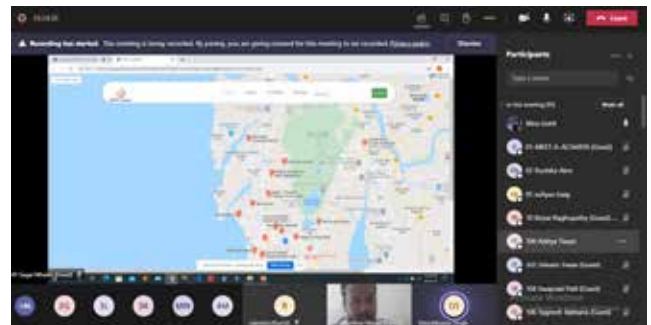
STUDENT INDUCTION PROGRAM (SIP)

Student Induction Program (SIP) was conducted on January 3-7, 2022 for the Batch 2021-22. Newly joined students were introduced to the various processes of the Institute and the MCA Program. Students were also made aware about the Code of Conduct of the Institute.



SYNAPSE

SYNAPSE- The junction between two neurons – Technology and Innovations was themed ‘Leveraging digital solutions to manage the COVID - 19 crisis’. Synapse 2021 final event was handled online because of COVID 19 pandemic situation.



SYNAPSE - 2021 curtain raiser was organized on July 10, 2021 where 48 students from 1st year came up with 23 innovative project ideas on given theme. There were 6 senior faculty members who became judge and filtered 8 best novel projects for final synapse event.

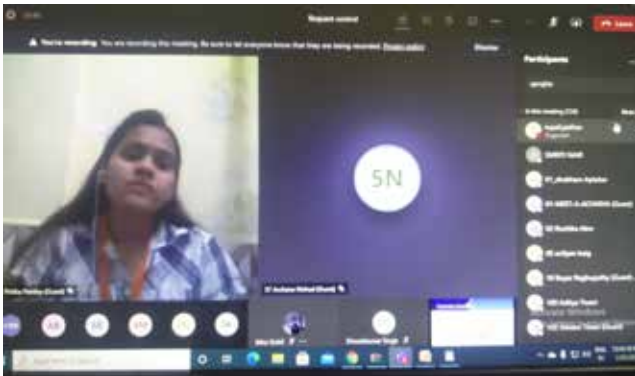


The Final Presentation was on September 4, 2021 where students presented their ideas online to a panel of judges from industry who evaluated the teams based on the criteria like Innovation, Creativity, Technical and Socio Economical Feasibility, Marketing Skills & Team Work. The innovative projects were also evaluated by them.

The Eighth volume of SYNAPSE – Innovation Magazine was released at the hands of the event judges like Dr. Suresh A Shan, working in Mahindra & Mahindra Financial Services Limited, Mr. Dinesh Singh, working in TCS from last 22 years, Mr. Ashish Garde, Founder & Director –

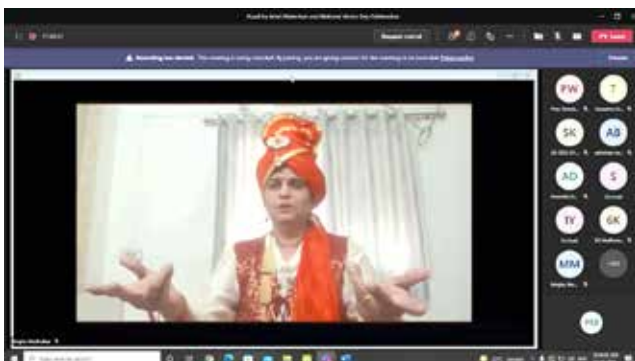


Marathwada Accelerator For Growth & Incubation Council (MAGIC) Aurangabad, Mr. Tejwant Navalka who worked as Director in Technology at Symtotal Software Pvt Ltd. The innovative projects were also evaluated by them.



AZADIKA AMRIT MAHOTSAV (VEER GATHA)

UBA and DLLE Cell of TIMSCDR organized and celebrated Azadi ka Amrit Mahotsav – Veer Gatha program on 25 January 2022. Azadi Ka Amrit Mahotsav’ is an initiative of the Government of India to celebrate the independence of progressive India and the glorious history of its people, culture and achievements.



The speaker, Mr. Satyaki Savarkar, Sr. Sales Ops Analyst, Veritas Technologies LLC. delivered a motivational speech on life of Swatantryaveer Vinayak Damodar Savarkar. The speaker Mahila Shahir Ms. Vinata Joshi had put up the life of Rani Laxmibai in more traditional way through powada in front of the audience. Total 201 participants participated in the event.

BASIC IoT WORKSHOP

During workshop participants got acquainted with hands on activities and worked on hardware like Arduino Uno and some sensors on simulator software Tinkercad.com. They learnt about the Arduino environment and interfacing of sensors with Arduino board. Various IoT project prototypes were demonstrated on February 11, 2022. 128 students from MCA sem. I attended basic workshop and 2 External participants attended Basic IoT workshop.



WOMEN'S DAY



Organized guest lecture on “Woman’s Menstrual Health” on March 8, 2022 by Dr. Nilima Vaidya on the occasion of Woman’s day for girls students.

UDAAN

Department of Lifelong Learning and Extension (DLLE), UoM organized its annual festival “UDAAN- the Flight of Extension- 2021-2022” from 8 March 2022 to 10 March 2022.



The following Competitions organized in ONLINE MODE:

- Short Film / Video Making (One entry each college)
- Poster Competition (One poster each college)
- Powada singing (One Entry each college)
- Elocution (One participant each college)
- Creative Writing (One participant each college).

TIMSCDR participated in Short Film/Video Making, Poster Competition and Creative Writing Competitions. Institute own Second Rank in Short Film/Video Making Competition. Topic for Short Film/Video Making Competition was “Woman Entrepreneurship”.

VISTA 2022

The annual Technical cum Cultural Festival VISTA 2022 was organized by the institute on April 20, 2022, on the theme “**Invincible – Immortality of Technology**”.



The event was inaugurated by Dr.Suresh A. Shan, working with Mahindra & Mahindra Financial Services Limited as Head – Digital Innovation & Future Technology Business Information & Technology Solutions and Dr. Vinita Gaikwad, Director, TIMSCDR.



Various technical events such as Web designing, Quiz Competitions, Online games etc, were the highlights of the event. Sports events such as Carrom, Chess, Tug of War etc. had enthusiastic participation from the students.

Along with technical and sports events, a Cultural event was organized. The chief guest and judge for the cultural events was Mr. Bhavin Bhanushali, a known Social Influencer and a Singer.

The various events provided the students with an opportunity to unleash their talent, imagination & innovation along with fostering a spirit of healthy competition by participating with various sets of students in these technical, sports and cultural events.



SPORTS DAY

Annual Sports-Day-2022 was organized on April 21, 2022. The event was inaugurated by Sensei Nehal Sachin Chavan, 3rd Degree Black Belt in Karate from KWF Japan and she represented India in KWF World Karate Championships three times in the presence of Director Dr. Vinita Gaikwad.

Students enjoyed playing indoor games like Chess, Carrom, Badminton and Table Tennis and outdoor games like Cricket, Tug of War, Sprint events etc.



The Annual Sports Day ended with Dr. Vinita Gaikwad congratulating the winners and awarded them with certificates. Based on maximum participation and winners, Semester-I Batch-C was awarded the Sports Trophy.

The awards for Best Sports Boy and Girl of the Year goes to Amey Chavan and Sheetal Singh respectively.



The students and staffs of the Institute participated enthusiastically in the Annual Sports Day.

E-DAY

Annual E-Day-2022 was organized by E-Cell on April 22, 2022 to promote Entrepreneurship amongst the students. The event was inaugurated by the Chief Guest – Mr. Bankim Mistry, Sole Proprietor, Bharat Traders followed by Panel Discussion on “Entrepreneurship as Career Opportunities in Aatmnirbhar Bharat”. The panelists were:



Bankim Mistry, Sole Proprietor, Bharat Traders, Vishwajeet Sukhija Ex. Co-Founder, Mobilox Innovations, Arvind Prabhu, Founder, Racenext Technology Solutions, KribhashankarChaube Director, Kaltech Technology, Vivek Tiwari CEO, Audix Technology, Smita Raste Partner, Dr. Smita’s Herbal Laboratories.



Also, various events such as Logo Designing, Poster Making, Guesstimate, Shark Tank, Stock Marketing, Kaun Banega Entrepreneur, Buzzle the Puzzle were conducted as a part of E-day 2022.

ANNUAL BOOK EXEHBITION



Annual Book Exhibition is organized by the Library on April 22, 2022.

THE DEPARTMENT OF LIFELONG LEARNING AND EXTENSION (DLLE) Energy Literacy Training



Energy is the driver of our social and economic growth, on the one hand, while on the other hand, excessive use of fossil energy has caused climate change. Becoming energy literate is the first step towards climate correction. Energy literacy training helps people in understanding energy, its generation, consumption and wastage. It helps to understand carbon footprint and its impact on the environment. Through this certified training course, one will understand means to avoid and minimize energy usage, how to become carbon neutral, clear misconceptions around solar energy and ways to adopt solar energy solutions.



Thakur Institute of Management Studies, Career Development & Research, Kandivali (E), Mumbai under DLLE and UBA cell in association with Energy Swaraj Foundation conducted “Energy Literacy Training” from April to May 2022. The course is essential in the current scenario given the urgency to mitigate climate change and need to ensure energy sustainability among masses. Total 70 students completed the Course.

- Survey on “Self Employed Woman” were conducted by SWS members and report generated.
- SWS members attended session organized by Aamhi Udyogini Pratisthan (AUP) at Venue: Sane Guruji Vidhyalya, Vikhoba Vaman Patare Road, Shivaji Park, Dadar West on occasion of Womans Day Celebration on March 10, 2022.
- WDC and SWS cell of DLLE organized training on “Self Defense” on March 10, 2022 by Sachin Chavan for Girls students.



TIMSCDR WDC and SWS DLLE cell organized Self Defense training for girl students and Women staff members on March 10, 2022 from 3:00 pm to 4:00 pm. The training was conducted by Shihan Sachin Chavan, Karatenomichi World Federation India (KWF) Chief Instructor, Leader and representative of KWF which includes Orientation and Judo/ Karate training.

ISTE APPROVED STTP – 2022 ON “INFORMATION TECHNOLOGY FOR SUSTAINABILITY – CARBON NEUTRALITY”

TIMSCDR conducted a 2 week ISTE approved STTP in association with CSI, Mumbai Chapter from June 6–17, 2022. The theme of this year’s STTP was Information Technology for Sustainability - Carbon Neutrality. STTP started with our Director, Dr. Vinita Gaikwad address, wherein she welcomed all delegates and participants. She conducted session on “Towards Carbon neutrality”. She discussed global warming, net zero carbon emission, action needed by 2030 and sustainable developments goals.



Sessions on June 6-7, were a work shop on AWS Cloud Computing conducted by Mr. Shridhar Galande. He discussed about AWS service provided by the Amazon and it uses in distributed IT infrastructure in different IT resources available on demand.



On June 8, Session 1 on “Sustainability and Carbon Neutrality” by Ms. Priti Bhandari, Founder Alchemei-Environment Initiatives, she explained from scratch from where carbon generates in our daily uses and she focused on how to control carbon emission by reusing the old gadgets, at individual level and how segregating the e-waste helps.



Session 2 on “Innovative teaching method” by Mr. Aniket Pate from Kquality Infosolution. He explained how the Smart board can be used for teaching innovatively.

Session3 on “Energy Literacy Training” where faculties went through online materials from Energy Swaraj Foundation with practical explanation on the alternative sources of energy and making efficient home and office appliances using substitutes to reduce energy consumption.



On 9 June very interesting session on “Art of living” by Prerna Khandelwal, Consultant, Live Skills Trainer & Life coach incorporated exercises and shared her experiences about what stress is and what the 7 layers of existence Body, Breath, Mind, Intellectual, Memory, ego, and self are.

Yoga Asana was conducted by Ms. Anjali where exercises on eyes, mind and neck stretching to relax the body were practiced.



Session on “Universal Human Values and Carbon Neutrality” by Dr. Mohan B.Rao, Professor & Associate Dean, IES Management College & Research Centre. He discussed the role of humans and the responsibilities towards carbon neutrality by sharing the experiences of Korea and Bhutan.



On 10 June, all faculty members and staffs enjoyed a field trip to “Saguna Baug” at Neral where Mr. Shekhar Bhatsawale conducted an interactive session on carbon sequestration and gave in-depth knowledge on climate change and the role of human activities in climate change. Further he talked on Saguna Rice Techniques (SRT), how it can be used to cultivate rice without plowing, puddling and transplanting rice on permanent raised beds

On 13 June “Yoga Session” is by Mr. Gopal Krishna Jha. A full body workout was practised by all under the guidance of the yoga instructor



Next session is on “Course Outcomes” by Ms. Sonu Gupta, Assistant Professor, TIMSCDR. She explained about the institute’s vision and mission and how to deal with syllabus, co-curricular activities and extra-curricular activities to achieve PEO, PO and CO Mapping.



On 14 June workshop on “Carbon Neutrality” by Ms. Vedangi Sohni. She talked about how carbon offsets allow us to balance out our emission and she also explained direct, indirect ways of consumption of energy, how digital transformation has brought many benefits that also have a positive impact on the fight against climate change and reduce CO2 emissions.

15 June, session was on “Sustainability and Global Warming” by Mr. Yogendra Shastri, Dept. of Chemical engineering, IIT Bombay on. He highlighted topics on Energy consumption, crucial role in climate change and Energy important role in the development of the society. He spoke on Sustainable development goals and its challenges in Sustainable engineering by giving some example on UN Sustainable growth.



The next session on “Conservation of natural resources- A solution for sustainable Carbon

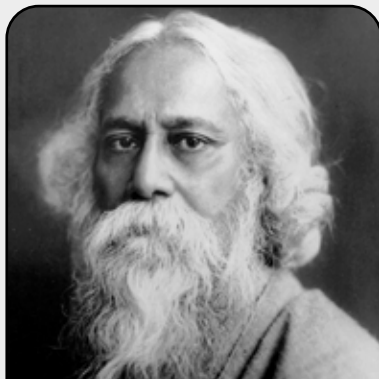
neutrality” by Dr. Umesh Mundlye, Director at OIKOS Water Management Pvt Ltd.. He elucidated about carbon neutrality and Carbon sequestration.



On 16 June, session on “Carbon Farming and Potential Opportunities for Farmers and Agri value chain players” by Mr. Ravin Kumar, Product Leader TCS Digital Farming Initiative, TCS. He spoke on carbon farming, its need, challenges, and sustainability in food production.



The Valedictory function was held on June 17, which was graced with the presence of Dr. Abdul Moid, Director ERTL (W) Mumbai, STQC DTE, Ministry of Electronics & Information Technology, Govt. of India, in his short speech he briefed about how technology contributes in real life in the current pandemic situation.



You can't cross the sea merely by standing and staring at the water.

Rabindranath Tagore



Be kind whenever possible. It is always possible.

Dalai Lama

International Conference ICAIM - 2022

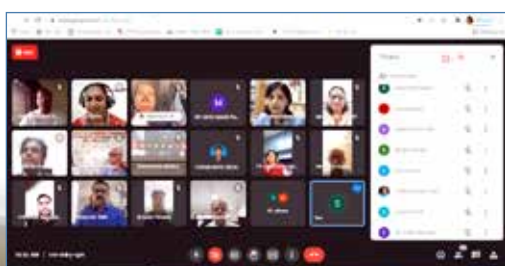
- Editorial Team
TIMSCDR



Thakur Institute of Management Studies, Career Development and Research (TIMSCDR) organized ICAIM 2022, International Conference on Advances in Information Technology and Management on 12-13 February 2022. Theme of this year's conference was "Leveraging Information Technology for Sustainability in Agriculture and Medicine – COVID 19 Crisis" arranged in association with AMC (Association of Medical Consultants), MACCIA (Maharashtra Chamber of Commerce, Industry and Agriculture) and Nordic Center for Sustainable Healthcare (NCSH). ICAIM 2022 was conducted in blended mode where eminent personalities from all three fields – IT, Agriculture and Medicine participated.

The conference was inaugurated on 12 February 2022 by the Chief Guest – Mr. Lalit Gandhi, President, MACCIA and guests of honor – Dr. Debiprasad Mishra, Director, DMI; Mr. Johannes Brundin, Co-Founder, NCSH, Sweden; Dr. Suresh Shan, Mahindra & Mahindra, Chairman CSI – Mumbai Chapter, CIO & Head – Innovation & Future Technologies Business Information Technology Solutions (BITS), Mr. Sudhanshu Ojha, General Manager, DLink India Ltd. and Dr. Vinita Gaikwad, Director, TIMSCDR. The Conference Proceedings of ICAIM 2022 having 104 research papers written by research scholars and academicians was unveiled.

Inauguration was followed by speaker sessions where sessions on "Carbon Sequestration through





SRT” by Mr. Chandrasekhar Bhadsavle, food scientist – farmer; “Using IT in Agriculture – VegRoute” by Mr. Shyam Prashad Rajasekaran, Founder -VegRoute and “IT for Agriculture” by Dr. N. Anandaraja, Associate Professor, Agricultural College and Research Institute were conducted.

A” Hackathon – Innovation Carnival” in association with DCB Bank was arranged for students, wherein shortlisted students presented their project ideas pertaining to sustainable development goals. The event was judged by Mr. Prasana Lohar, Chief Innovation Officer, DCB Bank and his team. The 5 winning teams received trophy from DCB Bank. The position wise details of the winners are as follows:

Inauguration of day 2 of ICAIM 2022 was done in presence of Chief Guest Dr. Sushmita Bhatnagar, President, AMC and guests of Honor, Dr. Mukesh Gupta, Founder Director, Le’Nest, Immediate Past President, AMC; Dr.

Vikrant Desai, Radiologist, Program Committee Chairman, AMC; Mr. Johannes Brundin, Co-Founder, NCSH, Sweden; Dr. Suresh Shan,

Mahindra & Mahindra, Chairman CSI – Mumbai Chapter, CIO & Head – Innovation & Future Technologies Business Information Technology Solutions (BITS),and Mr.Sudhanshu Ojha, General Manager, DLink India Ltd. and Dr. Vinita Gaikwad, Director, TIMSCDR. All dignitaries present unveiled the book “Healthcare on Cloud”, a joint effort of TIMSCDR and AMC, in which how Cloud and its Services can be used by doctors to provide healthcare services in this COVID pandemic is given in great detail.

Dr. Sushmita Bhatnagar, President, AMC sensitized everyone about how “Ayushman Bharat Digital Mission (ABDM)” aims to develop the backbone necessary to support the integrated digital health infrastructure of the country. Panel discussion on “Digital Health Mission – Practical Action Points” was conducted which was moderated by Dr. Mukesh Gupta, Past President, AMC and Dr. Vikrant Desai, Program Committee Chairman, AMC. The panelists were Dr. Ajay Bakshi, Co-Founder & CEO at NeuranceAI Technologies, Dr. Dhruv Joshi, Co-Founder & CEO – Cloudphysician Healthcare Pvt. Ltd., Mr. Sanjay Kimbahune, Senior Scientist,





TCS Innovation Labs and Mr. Kaushik Mohanraj, Director, Blazeclan Technologies, Malaysia. A fervent discussion was done on challenges of implementation of “Ayushman Bharat Digital Mission” in Indian scenario and how technology needs to play a pivotal role in it.

The conference concluded with a workshop conducted for doctors by TIMSCDR faculty on “Healthcare on Cloud”. In the workshop how Cloud and its Services can be used by doctors to provide healthcare services in this COVID pandemic was covered. Cloud Security issues & Digital Cloud Wallet were also discussed.

Other pre-conference speaker sessions, research paper presentations by scholars and workshop on Internet of Things (IoT) and Blockchain for students were part of the pre-conference sessions scheduled from 7-11 February 2022. Various sessions conducted during pre-conference sessions were “Cloud Services during COVID-19 Crisis” by Dr.Sanu Anand, Director of Clinical Operations and Consultant Intensivist at Cloudphysician Healthcare and Mr.Dhruv Sud, Director of Engineering at Cloudphysician, R&D head for Cloudphysician’s key Smart ICU product-RADAR; “Opportunities in IT to empower Indian dairy farmer” by Dr. Rajeshwaran, Professor, Development Management Institute; “Agriculture Challenges During the Pandemic” by Mr. Rajendra Bhat, Agro Consultant, Nisarg Mitra



Farms and “Innovation Carnival – Hackathon” by Mr. Prasanna Lohar, Innovation Head, DCB Bank.

ICAIM-2022 Proceeding contained 103 research papers on inter-disciplinary subjects selected after a rigorous review process by a highly skilled and diverse review committee and the papers were presented before the distinguished professionals from the sectors of Agriculture, Healthcare and IT.

Following is the list of professionals who chaired the research paper presentations of ICAIM-2022:

- Suresh Shan, Chief Innovation Officer, Mahindra & Mahindra
- Abhijit N. Banubakode, Principal, MET Institute of Computer Science
- Aparna Deshmukh, Head, Biotechnology, Thakur College of Science & Commerce
- Dineshkumar Singh, Group Leader, Social and Mobility Innovation, TCS

Best research paper award in faculty category was received by paper “Leveraging IT to enhance the profitability of small holding dairy farmers” by Dr. S Rajeshwaran and Dr. Vinita Gaikwad. Best research paper 1st and 2nd award in student category was received by “Blockchain smart contracts: Applications, challenges and Solutions” by Anurag Dixit and Kevin Emmatty and “Irrigation in Agriculture using Drone Technology and IoT Sensors” by Ramchandra Desai and Anmol Dubey respectively.



नाही, मला मारु नका, कारण मी मुलगी आहे

नाही, मला मारु नका,
कारण मी एक मुलगी आहे,
जणू मी एक झाड आहे,
आणि तू लाकुडतोड्या आहे.



नाही, मला मारु नको,
मी तुला नक्कीच अभिमानी पालक बनवीन,
मला जगण्याचा बहुमान दे
आणि मी तुझे आयुष्य खूप आनंदाने भरून टाकीन.

नाही, मला मारु नका,
हे लिंग माझे भविष्य ठरवू शकत नाही,
या समाजाची मानसिकता बदला
आणि त्यांना सांगा की मी निर्मिती आहे.

नाही, मला मारु नको,
हे जग मुलींशिवाय अशक्य आहे,
या छोट्या हृदयाचे ठोके घेऊ द्या
आणि हे सुंदर जग पाहू द्या.



नाही, मला मारु नको,
मला जग बदलायचे आहे,
एक यशस्वी व्यक्ती बनून मी हे सिद्ध करेन
की मुलगी असणे चांगले आहे.

नाही, मला मारु नको,
मला माझ्या वडिलांची राजकन्या व्हायचे आहे,
माझ्या आईच्या गर्भात मला ठार मारण्यासाठी
हा अपराध करू नकोस

- Shweta Waghmare

Asst. Proff., TIMSCDR



- Kiran Singh

139-C



KEYBOARD (जन्म – आयुष्य – मृत्यू)



KEYBOARD च्या सहाय्याने आपणास संगणकाशी सव्वाद साधणे शक्य होते. KEYBOARD च्या कितीतरी Keys आहेत ज्या आयुष्याशी जोडून आहेत. ☺

जन्म -

सुरुवात Window Key ने होते. सगळे Default Application म्हणजे आपली FAMILY ☺ आणि नवीन Application म्हणजे आपल्या अनोळखीतुन ओळख झालेला मित्र - परिवार ☺☺☺

आयुष्य -

आयुष्याची रंगत तेव्हाच होते जेव्हा Function Keys योग्य ठिकाणी वापरले जातात♥♥♥. ह्या सर्व विशिष्ट कामा साठीच वापरतात . रंगीबेरंगी दिवसाचे क्षण Print Screen ने Save करू शकतो. A, B, C... Z अशा सगळ्या Letters ने आयुष्याची व्याख्या बदलू शकतो ☺☺☺.

CAPSLOCK जस ON / OFF जसा करतो तसा जीवन जगताना लहानपण वा मोठेपण घेऊ शकतो ☺. Page Up / Page Down - तसेच काहीसे चढ - उतार Handle करू शकतो. एक मात्र Delete बटन आयुष्यात Work होत नाही, पण काही वेळेस Escape करता येतात.☹☹

असा Keyboard ज्या वेळेस आपला कीबोर्ड चालत नसेल काही कही कीज काम करत नसतील तेव्हा On-screen KEYBOARD कामाला येतो. ☺☺

आयुष्य हे बॅकस्पेसशिवाय कीबोर्डसारखे आहे. भूतकाळात न राहता महानतेत प्रवेश करण्यासाठी फक्त एक जागा द्या कारण जर आपण योग्य Keys टाइप केल्या तर आपण चांगले नशीब टाइप केले. ☺☺☺

मृत्यू -

सांगून येत नाही ती आधीच ठरलेली असते. Ctrl + Alt + Del ने दोन पर्याय दिलेले असतात Restart की Power Off करायचे हे मात्र तो ठरवतो ...☺☺ अपना हर दिन ऐसे जियो , जैसे की आखरी हो जियो तोह इस पल ऐसे जियो, जैसे की आखरी हो. ☺☺☺

अपना हर दिन ऐसे जियो, जैसे की आखिरी हो जियो तो हर पल ऐसे जियो, जैसे की आखिरी हो ☺☺☺



- Shweta Waghmare

Asst. Proff. TIMSCDR



तुला सांगू

तक्रारी नाही करायच्या आता
मला आहे त्या परिस्थितीत
तुझ्यासोबत आनंद शोधायचाय....

भूतकाळाची खंत किंवा
भविष्यकाळाची चिंता
नाही करायची मला आता....

तुझ्यासोबतचा प्रत्येक क्षण
या ओजळीत साठवून
ठेवायचा आहे....

हा राग येईल कधी कधी
पण तो एका रात्रीत संपवायचा....

माझी चिडचिडही होईल कदाचित
पण त्या आतदाई वागण्याचंही
तू प्रेमात रूपांतर कर.....

अल्लड "ओढ" नावाच्या इसमाची
काठी हातात धरून
मला तुझा हात हाती घ्यायचाय....

तुझ्या सोबत चालायचंय
सांग ना ?
माझा होशील ना !

It's Me

Each day, each hour, each moment I feel it,
a sense of being gazed at by these eyes.
Trying to pull me down at a single mistake I make,
Chuckling at me when I try new things,
Intimidating me, to even acknowledge myself!!

Menacing energy itself,
The Monster of Self Confidence,
Leeching off our confidence!!



I try to run away from it, but no it is useless,
I try to ignore it but it is no help,
it makes me restless!!



The only way to win over
Is to face it and that's when I faced it...
The monster
I was always afraid of, and... It's ME!!



I am the monster who was pulling me down
With all the negatives and worries
I am the one stopping myself
From running on the road leading to my dreams!!

Now that I know the truth,
I can free myself from all the negativity
And shine bright like a diamond
Focus on my path of happiness
With my true potential and passion!!

It's ME, who can make me
And also the one who can break me!!



- Shruti Mashke

72-B

- Vandana Gupta

40-A

प्रेम की परिभाषा

सच्ची भावनाओं से परिपूर्ण,
इतिहास है प्रेम।
पत्रों में लिपटा,
उपन्यास है प्रेम।

कमल की भाती निर्मल,
माँ का दुलार है प्रेम।
मीरा की भाती लीण,
अधूरा सन्यास है प्रेम।

जीवन का आधार,
खुशियों की बौछार है प्रेम।
एक दूसरे का सम्मान,
विश्वास का दूसरा नाम है प्रेम।

सुख व अनुराग,
प्रबल गहरा एहसास है प्रेम।
अमृत से भरा प्याला,
भिन्न-भिन्न रंगों का प्रकाश है प्रेम।

नफ़रत का त्याग,
हज़ारों दिलों का निवास है प्रेम।
खोने का नहीं,
कुछ पाने का आभास है प्रेम।

- Yachika Yadav
189-C

Women- a warrior

*Daughter and sister, she is,
Mother and warrior, she is,
Stronger and supporter she is,
She is a precious warm breeze.*

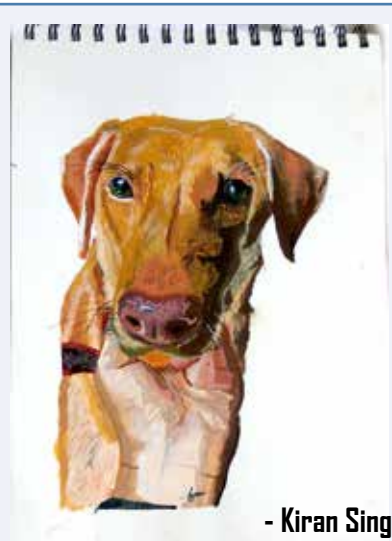
*It's the 21st century, she is not safe even in her
society,*

*That creates serious anxiety.
She is judged upon the clothes she wore,
What about the thinking, some think like carnivores.
Why do we listen to society first,
What the hell society says;
Who cares, let them bust.*

*Her heart is pure, then too she endures.
Sometimes being wife, sometimes daughter in law.
She is forced to think that her destiny is the flaw.
Her sacrifices, no one counts.
For dowry, many women suffer from various wounds.*

*She never lag behind from her responsibility,
Think of her, she won't have an attribute of elasticity.
Go through Article 14 which describes Gender
equality,
Don't ever underrate a woman's ability.*

- Yachika Yadav
189-C



- Kiran Singh
139-C



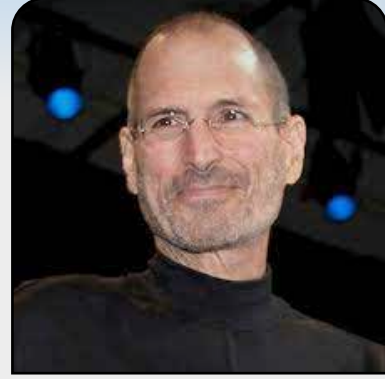
उड़ान

निकले थे कुछ सपनों के साथ,
ऊंची उड़ान भरके...
पीछे छोड़ के ये घोंसला,
एक नया आशियाना बनाने..

नन्हे नन्हे कदमों के साथ,
ऊँचे ऊँचे सपनों को लिए...
मिल गया एक आशियाना,
सुंदर से बाग में

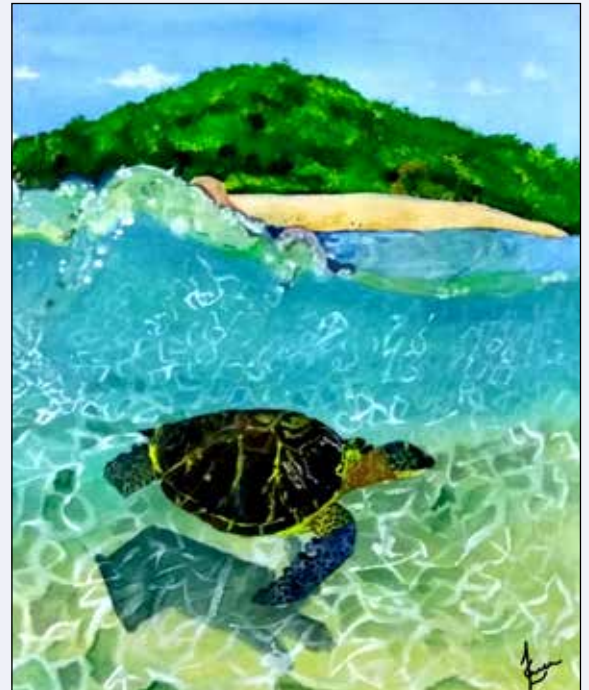
नया है आसमान,
नए हैं लोग और नई हैं उमंगें।
कुछ पल खों गई थी मैं,
फिर याद आया वो सपना....
ली उड़ान मैंने....
ली उड़ान मैंने ।।।।

- Pranali Dalal
ZI-A



Computers themselves, and software yet
to be developed, will revolutionize the
way we learn.

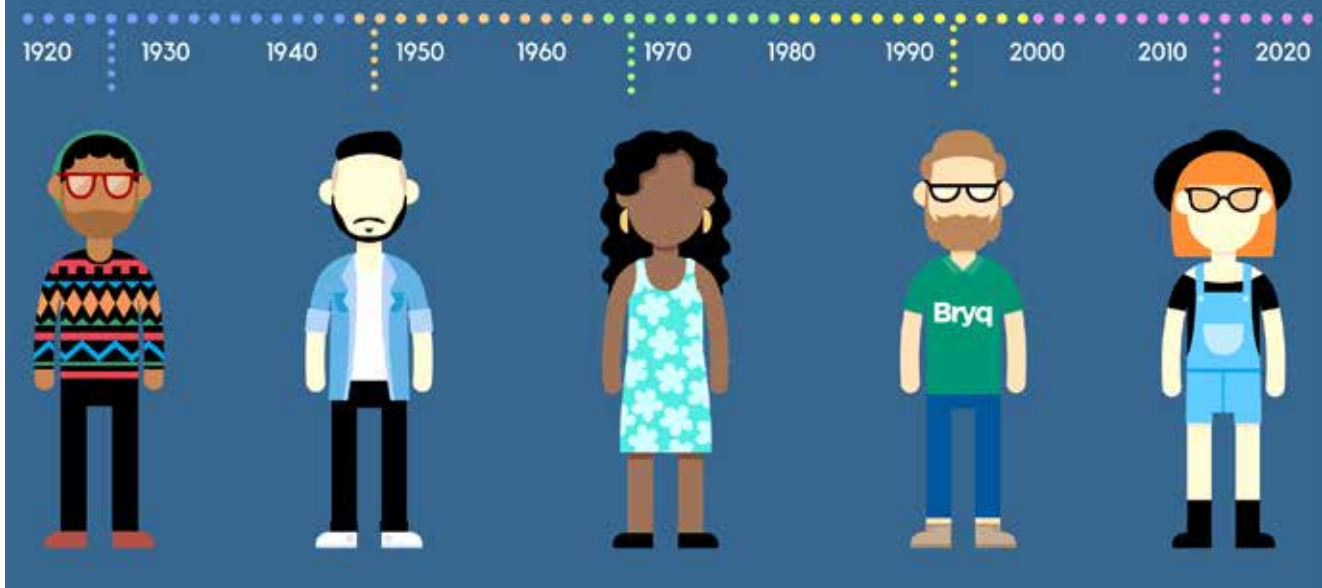
Steve Jobs



- Kiran Singh
139-C

"IS GEN-Z FOR ME?"

Why Generation Z is the Key to Success



Dear Z- Gen

Dear Generation,

Oops not generation it's called Z-Gen, am I right!
Hahaha

I would like to say something for you. First of all
remove some words from your life dictionary.

At your age do not worry about things which are
temporary. Keep away from anxiety, depression,
and stress. These words are evil.

Now how will you avoid such moods?

So it's not simple but you have to start. Give habit to
your body which will activate for doing many good
things like start to do where you find yourself busy
and calm.

Like how? I don't think so in this era we need to pay
to learn!

Everything is available on Google and YouTube
platform. Now to make sure you will keep your
promise. Complete your study, follow your passion.
This is the time to grow to explore more and more.

If you have at least one honest friend it's enough to
share your problems and find better solution. When
you start to talk or discuss any kind of solution you
find yourself more confident and reliable. Choice
is yours.

Now you might think I am only recommending you,
but no I suffered a lot of things and yes its going
on but finally I found my way to make myself busy
and calm. I have started my own YouTube journey
because I had curiosity that how people edit videos,
how they talk so confidently. Than I have started to
upload my own recipe videos, now some videos got
good responses, some not. Then I started to upload
some vlogs and not expecting anything, growing
slowly, learning from mistakes and working on that.

That's it! With this how I have worked on self things
and yes you can also find something best for you
and start to enjoy life more and more.

- Rohini Bagul- Ahire
Asst. Proff., TIMSCDR

Meditation, a Stress Reliever!

Stress is a feeling of emotional or physical tension. Every day, everyone is experiencing more or less stress. When things don't go as planned, the restlessness and irritation creates stress.

Now a day's Challenges face by students are academic workload, examinations, deadlines, academic or personal competitions, poor time management, leaving assignments to the last minute, increased responsibilities, financial difficulties, difficulty in organizing work.

A lack of sufficient physical activity and excessive usage of social media lowers mental well-being among students.

Similarly, teachers are also dwelling into stress because of lack of resources and work-life balance. Reasons for stress are many like emotional problems, having a heavy workload or too much responsibility, facing discrimination or harassment at work.

Stress manifest fear, worry, inability to relax, increased heart rate, trouble in breathing, disturbance in sleeping and eating patterns, trouble in concentrating, even worsening our pre-existing health conditions (physical and mental). It may lead to use of alcohol, tobacco and other drugs.

Stress affects both the brain and body. Sometimes little bit of stress is good for people to perform and protect themselves but too much stress can leading to fight, flight or freeze response. So it's very important to learn how to cope with stress for our mental and physical wellbeing.

Meditation

Meditation is very helpful for stress reduction. It has potential to improve quality of our life and decrease healthcare issues. Inner silence gives us real and lasting satisfaction in our life.

Despite all popularity about meditation, today very few of us know what meditation is. Some regard meditation is the mental concentration on something while others believe that we meditate once we imagine something that gives us peace, satisfaction. Mainly all methods have one goal - to slow down or completely stop the constant activity of our minds. These methods are not meditation but



the substitutes of meditation because it is normally very difficult to stop our minds all-together.

Meditation is not...

Concentration is not to put effort to fix attention on a particular object, or idea for a long period of time.

Loss of control over sound, voices, colors and involuntary movements have nothing to do with meditation or spirituality.

Exercises such as posture and breathing, do not constitute meditation.

Mental Effort to stop thinking.

What is Meditation?

True meditation, however is much more than this. It is a state of profound deep peace that occurs when mind is calm and silent, yet completely alert. This is just beginning of an inner transformation that takes us to higher level of awareness. It enables us to fulfill our true human potential.

Meditation is a state of Thoughtless Awareness. It is not act of doing anything – it is a state of awareness. We either in this state or we are not regardless of what we are doing in life. Meditation is effortless and lead to state of ‘Thoughtless Awareness’ in which the excessive and stress producing activity is neutralized without reducing alertness and effectiveness.

Authentic meditation enables one to focus on the ‘Present Moment’ rather than dwell on the unchangeable past or undetermined future.

Now the question of course is how to achieve this state?

By Living in the moment we have rather than thinking of past or future.

Thoughtless Awareness is achieved through the raising of Kundalini and awakening the Kundalini energy within.

Kundalini is mothering energy that is lying dormant at the base of the spine in the sacrum bone. This energy is awakened by the process of enlightenment (self-realization) to connect us to divine and begin its work of healing and balancing the chakras.

With the support of Kundalini, meditation becomes effortless and easy.

Kundalini lies dormant, but like tiny seed when conditions are right, can awaken and grow into a mighty tree. In the same way that an electrical cable connects computer to the mains, the awakened kundalini connects us to our Spirit or Atma that is it connects the human awareness to all pervading power of divine love.

Thoughtless Awareness is the state in which the constant rising and falling of the thoughts in mind comes to an end. At first a gap begins to appear between the thoughts. As this gap grows the thoughts diminish and with regular practice of meditation, the mind easily enters into thoughtless awareness. The attention becomes still like a lake without any ripples on it and a deep inner peace begins to dawn upon our awareness. In the state of thoughtless awareness, we think neither of the past nor of the future. We are entirely in the present moment.

We start to enjoy our Self, our Spirit, our own inner beauty and the beauty of creation. We no longer bombarded by meaningless mental chatter that

assails our awareness and pollute our attention, distracting us from simple joys of our existence.

How to Meditate?

Find a place in your home and sit comfortably without being disturbed, minimize the distractions like phone etc.

Take your attention inside by closing your eyes. Once you settled down, take the attention to the top of head. At this point take the affirmation, 'Oh divine Please take me into deep meditation'.

Surrender yourself to your own Kundalini energy, let it work from within.

After few moments, you may feel tingling, cool or heat on our fingers or slow ripple of movement along the spine as kundalini starts to rise from base of spine to the top of the head. Even if thoughts are still flowing through our mind then don't react on it, simply watch and let it float. Just bring attention on the top of the head. If you are experiencing cool or hot breeze on your palm or on the top of the head, then these are the vibrations of Kundalini Energy. This is called enlightenment or self-realization.

With regular practice of such meditation, we will notice significant slowing down of thoughts and we become more peaceful inside.

We have to actually try and meditate at least once every day and preferably twice daily.

- Swarupa Prasad Khedekar
Asst. Proff., TIMSCDR



Forgiving: Easy or Difficult



Forgiving means ready to forget all bad feelings towards someone who have harmed you. Forgiveness has different effects on individuals normally the decision to let go things resentment and thoughts of revenge. Any action, talk, behaviour or act insulted you always be with you in your mind and thoughts. Forgiveness helps you to reduce its impact of the act which harmed you.

Why Forgiving is so tough?

Do you think it's easy to forgive? Many people say that first thought comes in mind sorry I can't. It's very difficult to forgive those who heart you.

Habits of holding back forgiveness may be holding on the complaint, thinking if we punish them we can feel good and protected from getting hurt again and believing that fairness and justice is served.

Habits that hold back forgiveness is mainly our own thoughts. We holding our issues and not resolve them. Thinking punishment is must, they need to get back same. Once they get hurt then only they understand our feelings and we get justice are served.

Thinking that forgiving will be excuse the behaviour that caused us so much pain in the first place. None of these obstacles really work in many cases the other person has moved on from the situation while you are still in the drama!

When you hold guilt or bitterness and are unable to forgive, your spirit can become bitter and restless.

In long run with all this your inner emotional state it hurts you more than anyone else can.

Every human being wants to experience love and appreciation. But if you hold a grudge, and cling in your thoughts and feelings, you are harming yourself, while the other person often forgotten what happened. And you had kept the negative energy alive held silently within your own mind and spirit.

What we all know about forgiveness, in the book "The Power of TED" that "forgiveness is giving up the hope of having a better past." Letting go of the unrealistic hope of changing the past creates new opening to forgive and creating a fresh future.

You never know the motive or situation behind another person words or behaviour.



Forgiveness is not about being inactive in the face of injustice, abuse, or excuses of wrong actions of others. Forgiveness always needs great courage to let go of your own inner judgements. And it's all not about focusing or considering others behaviour; it's all about our own self.

We all know that a wound might be heal, always left a scar. You can choose to deal with that scar is wholly on you.

When someone you care hurts it's difficult to let it go. You struggle deeply disappointed, wonder you are fool for keeping so much trust in them. Why you allow them to hurt you.

Once your loved one betrays you, you are tried to forgive them as you care about keeping the relationship. If you don't care then you can walk away. Leave the hurt in past and leave them. Even though you want to stay, you have to forgive. Think can you ever go back as it was before, can you completely trust again who make you fool?

"Fool me once, shame on you. Fool me twice, shame on me." Nobody wants to be a fool in this world. Trust is very tough to gain and take times, but lost in seconds like in a blink of eye.

We think to forgive but it's very hard to forget, we continue remember the hurt rather than moving on. No matter what happened in your life always



is in your mind. So if you really want to come out forgive them, let go things that they made a mistake forgetting what they did. Move on with my life in a positive way, remember the good times, things you have delete the baggage of past.

There's nothing wrong with forgiving and leaving. Sometimes it's simply a way you can completely let go things and move on.

Remember, forgiveness is not for others; it's all about healing you and yourself.

- Kiran Dubey
Librarian, TIMSCDR

LITTLE THINGS

What's the best in me you see?

Some may say it's the wit or the way you be

The warm smile or maybe the hi you say

It's often the little things that go a long way....

Sometimes it's how you're firm yet down or the cake you bake, just the perfect brown the shine your eyes have when they gleam with the sparkle & joy of sharing your dream

Some may say your jokes are silly

But they do make those moments little funny

Deter & Uniqueness is all here to stay

It's often the little things that go a long way.....



- Alfiya Shaikh
Asst. Proff., TIMSCDR



खुद, मैं ही हूँ

हर दिन, हर पल मैं इसे महसूस करता हूँ,
इन आंखों से देखे जाने की भावना,
मेरे द्वारा की गई हर एक गलती पर,
मुझे नीचे खींचने की कोशिश करता है,
जब मैं नई चीजें आजमाता हूँ यह मुझ पर हंसता है,
खुद को स्वीकार करने के लिए धमका रहा है !!

आत्मविश्वास का राक्षस,
खुद मेरे ऊर्जा को ही खतरे में डाल रहा है,
और मेरे आत्मविश्वास को छीन रहा है!!

इससे दूर भागने की कोशिश करता हूँ,
अनदेखा करने की कोशिश करता हूँ,
लेकिन नहीं, सब कोशिश बेकार है,
कोई राह नहीं दीखती, ये मुझको बेचैन करता है!!

जीतने का एक ही तरीका है,
उसका सामना करना है,
और तभी मैंने इसका सामना किया...
जिस राक्षस से मैं हमेशा डरता था,
और... यह तो मैं खुद हूँ !!

मैं ही वह राक्षस हूँ,
जो सभी नकारात्मकताओं और चिंताओं,
के साथ खुद को नीचे खींच रहा था,
मैं ही वह हूँ जो अपने सपनों,
की ओर जाने वाली सड़क पर,
दौड़ने से खुद को रोक रहा हूँ!!

अब जब मुझे सच्चाई पता चल गई है,
तो मैं खुद को सभी नकारात्मकता से मुक्त करता हूँ,
और हीरे की तरह चमक सकता हूँ,
मेरी सच्ची क्षमता और जुनून के साथ,
मेरी खुशी के रास्ते पर,
यह मैं ही हूँ, जो खुद को बना सकता हूँ,
और वह भी जो खुद को तोड़ सकता हूँ!!

- Kiran Dubey
Librarian, TIMSCDR

Personality Development

Personality is an element of thought, emotion, and behaviour. Personality incorporates emotions, attitudes, ideas and is most clearly expressed in interactions with other people. It encompasses behavioural factors, both natural and acquired, that distinguish one person from another and that can be seen in human relationships with the environment and social group.

To survive in today's world, one needs to be smart and always quick. It no longer depends on how much effort you put into your work but also one's personality has a lot to do with what one achieves.

Personality Development: How often do we hear this term, from our teachers, from self-help books or from the banners of learning centers and institutions? The widespread use of the term signifies its significance in modern life. What do you signify by personality development? Is there anything about your appearance, your manner of speaking? or is it the way you can easily communicate with people?

Above mentioned questions are raised again and again in our mind about personality. So how a particular person can develop his / her good personality, only one person can answer the entire question and the person is you yourself.

How you can acquire a well-meaning personality.

Know Yourself - One needs to start by looking at oneself, analyzing their characteristics, strengths and weaknesses and everything that needs to be worked on. Do not be afraid to admit your mistakes and learn about yourself as much as possible.



Read more often and develop new interests - A man of very few interests has very little to talk about. But if you are well informed about things and cultivate a number of interests, more people tend to like you. You can strike up interesting conversations instead of appearing to be tedious and boring. When you meet new people, don't think about what to say just share your knowledge or your interests and get them indulged in the conversation.

Work on your body language - Body language is just as important to your personality as your communication skills. It says a lot about you and helps people make the right start for you. Everything about how you walk, sit, talk or eat leaves an impact on the people around you and having the right body language can do wonders for your personality.

Be Yourself - Although one can always look to other people for inspiration, they still have to be different. Each of us is different, we have our own strengths and weaknesses and trying to be someone else is not going to get you anywhere. Trying to fit in with a new group or wanting to become a member should never take away your identity. work on being your best version.

"Personality has power to uplift, power to depress, power to curse, and power to bless." -by Paul Harris

- Rajat Sharma
Alumni Batch 2020-22



B2B Marketing

B^{2B} or business-to-business marketing states to any marketing strategy or content intended for a business or organization. Many companies that sell products or services to other businesses or organizations use B2B marketing strategies.

B2B understand the needs, interests, and challenges of individuals who buy on behalf of their business or organization rather than for themselves), thus making the organization a customer.

The purpose of B2B marketing is to make other businesses familiar with your product name, product or service value, and convert them into your customers.

B2B Marketing Trends

- Consolidation of market technology systems.
- Account based targeting.
- Acceptance of multi-channel B2B ads.
- Sales clarity and cross-functional marketing.

Scope of B2B marketing in future

- Better technology helps B2B marketers make most use of tools previously reserved for their customer partners. But it's not as easy as buying ads on Facebook.
- To take full advantage of these B2B marketing trends, one need to make sure their tools are grounded in top-quality data and can efficiently connect with sales systems. Marketers who take approach will find themselves ahead of the curve when it comes time to make future predictions.

B2B marketing strategies which help to grow your business

- Customer Research.
- Reviews and Case studies.
- Social media for business.
- B2B marketing.
- Marketing automation.
- Influencer marketing.
- Daily follow-up and feedback.
- Contact us on <https://cubecle.com/>

- Rajat Sharma
Alumni Batch 2020-22



#My Feelings Challenge

Hey me... do you love me?

Are you lying... Say you'll never ever leave from beside me ..

Coz I want ya and i need ya And i'm down for you always

Look, the new me isn't really the true me I swear I need to feel you before my thoughts get you weak

To me... Do you love me ?

Are you striving... Say you'll never ever leave from beside me

Coz I want ya and I need ya and I'm down for you always.



- Alfiya Shaikh
Asst. Prof., TIMSCDR

My Journey Towards Entrepreneurship

When I was in 2nd year BSc, first I sold my Textbooks to junior. Then I collected books of my friends for selling. Juniors pay me 60% of real cost of books and I return 40% of cost to owner of the books and 20% of cost for myself. This is my first entrepreneurial journey. At that time I didn't know much about Entrepreneurship. I did this just for fun and I was like such activity where we can earn money.

I wanted to make a platform for college where students could sell their previous year's books, at that time I was from a non IT background. I didn't know anything about how to build a website. In lockdown I learn programming languages to build website and then I think to shift myself in IT field through M.C.A.

I built a website that was "dealup.store". In public I was described my project as buy books in half price. That was my first project which won a "Hackathon" and was also selected for the final round of the Avishkar Research Convention. That was seasonal business where earning source is only through Google ads, but in future I will look at this part too.

Then my next project is based on used cloth which is an environmental sustainability project. I think used cloth is not just my home issue, its problem of every home. In India we do not have a proper solution for it. One thing which I always look that many buyers collects used cloth of good condition and gives us utensils in return. But I was like money in return of used cloth because I can do anything with those money but they do not give us money. Now such buyers are also getting less.

In western countries resale of used cloth is a very shiny industry. Then I searched in the Indian market what would be possible to start such an industry in India and why such an industry is not started in India. I travelled to met many such buyers and talk about their industry. I understand them and realize there's lots of un-education regarding modern technology and marketing techniques. I even talked to textile waste industry owners about their price range and how much quantity they take.

After all this research I started to build a website that is "junakpadewala.com" I chose this name because this is very catchy and easy to remember to anyone and easy for marketing, without SEO always showing in the top 3 on Google search, all this thing save money of us .

My first order I completed was very challenging. This order taught me a lot which I can't explain here. That was the first time when I start thinking about is I am doing right or not because such thing I never did or never saw. My next order get successful that give me courage to take step up. Now things are getting better and better.

We are in talks to sell all used cloth directly to Gujarat and we are modifying our website where we will resell the expensive products like blazers, jackets, traditional dress etc. at a cheaper rate than anyone else on our website.

Currently all things are going in the proper way; what I had invested, I have got 3X time profit on our investment. I will hope that all things will go much more profitably so that our company will be able to generate more employment.



- Kundan Yadav
178-C

Bitcoin - The End of Money?

Money is so integral to our society, Digital currency are implemented across the web, magic internet money which we also known it as cryptocurrency, Bitcoin. Its innovation still remains a secret to us.

Bitcoin can also be known as programmable money, there is nothing that big banks or politicians can do to stop it.

Central banks try to create new money carefully strategically and very slowly. Central banks mainly use a chain of banks for distributing money in economic system.

The great depression in United States of America occurred because of the complete mismanagement of the economic system, again the great recession which had happened in the year 2008 in USA, the problem here is that there is too much pressure on one single authority, if a single mistake is done by such an authority it will disrupt the whole economy of a country

The interconnected nature of the worldwide economy means policymaking selections (and errors) by one financial institution square measure transmitted across several countries.

Larger Adaption of Bitcoin

Survey done by chain analysis has found that Bitcoin usage surged in developing countries, it was mainly used for transaction and trading purpose, digital artists got who were only limited to selling their arts online got a new scope of making NFT's and transferring the ownership of those arts to other in trade of Bitcoin.

Global adoption of Bitcoin has skyrocketed 880% from July 2020 to June 2021. Chain analysis found Vietnam to have the highest cryptocurrency adoption, leading the 154 countries analysed and scored on a scale of 0 to 1. India scored 0.37 in Second place, followed by Pakistan, with a 0.36 score.

Impact of Bitcoin on Global markets

Bitcoin has several edges once it involves resistance transactions and inflation management, however several investors square measure adding Bitcoin as assets to their diversified portfolios. Especially, the non-correlated nature of the market makes Bitcoin a possible hedge against risk, kind of like precious

metals like gold.

The value of those novel assets rose to almost \$3 trillion in Nov from \$620 billion in 2017, on soaring quality among retail and institutional investors alike, despite high volatility.

Adaption of Bitcoin as Government asset

On June 9th 2021, El Salvador's government passed a law which makes Bitcoin legal tender within the country, this went on to effect on September 7th 2021, El Salvador became the first country to make Bitcoin a legal asset which can be used for various purposes, this led a widespread adoption of Bitcoin through many countries.

After the laws were passed following things became legal in their country:

- 1) Bitcoin can be used to clear debts (without limit)
- 2) Bitcoin is to be accepted as payment for Goods and services
- 3) US loans can be repaid in Bitcoin
- 4) Government will provide a system to convert Bitcoin into US Dollars

Legalization of Bitcoin

On April 2022, Indian government imposed 30% taxation on Bitcoin trading, this shows us that our country is supporting this moment, this law will allow to take 30% off profits that has been made from Bitcoin, by this we can understand that our country India is allowing trading of Bitcoin, though the taxation percentage is bit high but still we can understand that adding a tax on something means that has become legal and is allowed to use under the law of our country

Not only India countries like UK, USA, EU have all accepted and made Bitcoin legal.

By such scenarios, we were able to understand that, Bitcoin is slowly acquiring financial markets which was prior acquired by capital bank sector, Bitcoin now is easily replacing our money with tokens which can be used for various purpose, as now we are using Google pay for online payments, in near future we might soon use Bitcoin for small and large scale transactions

- Manjunath Sherigar
127-C

Impact of Elon Musk's Starlink on Russia-Ukraine war

Starlink is a Satellite based Internet service provider which is operated under SpaceX.

SpaceX is responsible for designing manufacturing of Starlink, SpaceX was founded by Elon Musk in the year 2002. SpaceX designed Starlink in 2019 and started to send them onto space, as of September 2022. There has been more than 3,000 satellites launches by SpaceX

Starlink primarily focuses on delivering high-speed, low-latency broadband net in remote and rural locations globally.

As we all know about the on-going Russia-Ukraine war which had disrupted daily livelihood of the common Ukrainians, as there were many disruptions, Ukraine's Internet services was also affected making the people unable to access Internet.

Starlink was activated across Ukraine in late February after Internet services were disrupted because of the war, Starlink's establishment in Ukraine has been proven invaluable in restoring energy and communication infrastructure targeted by Russia.

Since the war began in late February United States, European Union and other NATO countries have donated billions of dollars in military equipment to Ukraine. Musk's Starlink - based on a cluster of table-sized satellites flying as low as 130 miles above Ukraine and beaming down high-speed internet access - has become an unexpected lifeline to the country, both on battlefield and for public.

In late February, Ukraine's deputy Prime minister, Mykhaylo Fedorov took to twitter and asked Elon Musk to activate Starlink in Ukraine to which Musk responded that "Starlink service is now active in Ukraine

Ukraine for its war uses a DJI matrice 300 drone which is connected via Starlink satellite; by this tool Ukraine military teams target Russia's position.

Original mission of Starlink was to offer internet connection to places with lack of communication mechanism. But Starlink has become a mandatory war object for Ukraine as it battles Russian forces. A Starlink terminal was established at mobile passport



application station in Ukraine, these terminals are important to Ukraine for connecting the outside world, limitations of Starlink were that it can locate anyone who is holding the antenna within their hand and can give precise location to country's enemy

On October 14, CNN reported that SpaceX had asked the U.S. military to cover the costs on behalf of the Ukrainian government. But Musk tweeted that SpaceX could not fund the network "indefinitely."

Mykhaylo Podolyak, Ukrainian presidential adviser, said that Ukraine would find solution to ensure Starlink Internet service can continue. Podolyak wrote "Like it or not, Musk helped them to survive the most critical moments of war".

What is outstanding is that even the U.S. satellite information and commonplace military artillery command and management are unable to qualitatively match a mixture of the Ukrainian military's GIS Art for Artillery app software system and Starlink.

The Chinese became terribly involved with Starlink's impact on their national security and SpaceX-owned satellite mega constellation. Starlink is seen as a threat that would aid the United States military within the event of a Sino-US war. Additionally, the U.S. might move to manage non-public area corporations like SpaceX or a minimum of compel them to help the govt.

Ukrainian Commanders have been impressed by the company's ability. Within days it has deliver thousands of backpack-sized satellite stations to the war-torn country and to keep them online despite increasingly sophisticated attacks from Russian hackers.

SpaceX, goal is to launch more than 40,000 satellites into low Earth orbit in the coming years, quickly positioned roughly 50 satellites ready to be used in the Eastern European country. But red tape, including official government approval needed to turn on the system, slowed down the rollout

In the recent month, Elon Musk was not happy with the response he had got from the Ukraine's side to which he had requested US government to keep up with Starlink's funding and he further announced that he is stopping to fund Starlink.

We can see how a private organization is working well in comparison of government agencies, private technology companies can play a huge role in making countries defend and win their land during war.

- Babita Tiwari
155-C



We should not give up and we should not allow the problem to defeat us.

A. P. J. Abdul Kalam



- Babita Tiwari
155-C

Mumbai Girls - 1st Indian Women to Fly Light Sport Aircraft around the World



Mumbai Girls - Keithair Misquitta and Aarohei Pandit are 1st Indian Women to Fly Light Sport Aircraft around the World!

This is story of my cousin sister; she is 1st Indian women to fly air craft around the world. Capt. Keithair's born in Mumbai comes from a typically East Indian family. She had initially wanted to be a cardiologist, but her father encouraged her to be a pilot and she bravely and obediently complied... only to find out later that this was what she would end up loving to do for life!

Capt. Aarohei was born in Gujarat but lives in the northwest suburbs of Mumbai. Her father

ran a travel company and little Aarohei has had strong ambitions to fly ever since she met a woman pilot at an airport at the age of eight or nine while accompanying her father on a trip.

Both first met at flight school - The Bombay Flying Club (BFC)'s College of Aviation. They became best friends while studying for their degree in aviation and qualifying for their CPL.

After Capt.Aarohei and Capt. Keithair graduated from BFC and got their CPL in 2018, a combination of good timing and good fortune immediately came their way.

The Blue Navy Foundation selected them for an ambitious circumnavigation expedition out of Mumbai to span the globe. Capt. Aarohei Pandit was just 22 and Capt. Keithair Misquitta was 24 years of age at that time and had less than 500 hours of flying time between them.

The core mission of the Indian Women Pilots Association (IWPA) was to fly an all-woman crew over 22 countries in 84 legs for 100 days, and over land, mountain, ocean, and ice. (Spoiler alert!) Up to this point, the expedition has missed the target of 100 days – for good reason (let's blame it on the weather!) – but has hit all the other targets by and large.

Years of putting the expedition together culminated in the launch in July 2018 when Capt. Keithair Capt. Aarohei finally took to the skies to start their historic journey around the globe.

Keithair and Aarohi began the expedition from Patiala to fly light sport aircraft named 'Mahi' (registered as VTNBF). They get many people message us of support on social media. They never thought that they would go across the world in a small aircraft meant for leisure flying. It was a huge challenge. Just two girls flying with two bags full of aircraft tools!

In their training at the Bombay Flying Club they received special coaching to fly the light sports aircraft in Serbia. "It was beautiful to have the sparkling blue ocean everywhere. When the engine fails while flying on land, you can still land, but flying over the ocean, you have nowhere to land. In the flight that lasted five and a half hours, they saw land only for 40 minutes while landing and take-off. The rest of the journey was just water and silence around 3,000 feet above sea level," Aarohi said.

Another memorable touchdown for the two pilots was in Iran, where they had to skirt mountains and cross the aircraft's height limit of 10,000 feet. There was also Karachi, where crossing the LoC (Line of Control) gave them goose bumps. The two women spent the night at the Karachi airport lounge and flew out directly.

In Turkey, they had to make a brief detour due to bad weather and landed at a military airstrip to the bemusement of the Army there. The expedition had to be temporarily aborted in Greenland due to bad weather conditions. "They were supposed to cross Canada, the US, and Russia and return to India, but the weather did not allow it. Once it clears, they will start the second phase.

Meanwhile, their families are thrilled to have them back safe. The pair remembered the day they had to leave. "Both our mothers were crying. We were crying," the duo said.



Selected for the expedition by a private firm Social Access Communications, in collaboration with the Ministry of Women and Child Development, Keithair Misquitta and Aarohi Pandit completed a month-long journey navigating challenging terrains. They landed in Mumbai on Friday 13 May 2019, tired to the bone.

They will now go to Delhi to meet Women and Child Development Minister Maneka Gandhi. They were also felicitated by the Indian Women Pilots Association (IWPA). "It's once in a lifetime opportunity.

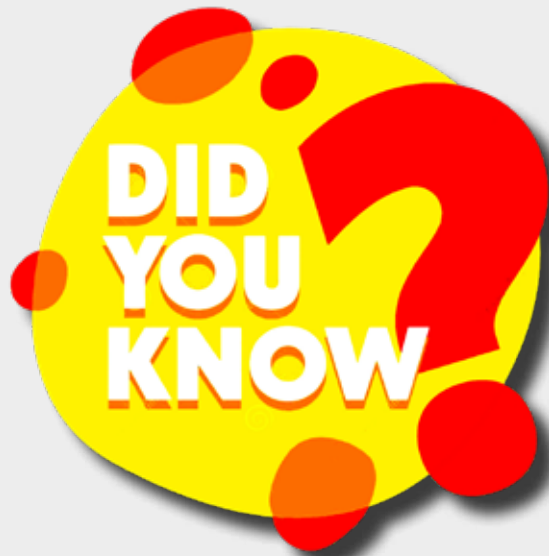
Though they are pilots, they didn't imagine that they would one day fly across the world in a small aircraft and become the first Indian woman to achieve this feat.

References Links

Welcome to High Commission of India, Ottawa (Canada)
(bcioottawa.gov.in)

Around the world in 90 days: Two women pilots from India take off to create history - Microsoft Stories India

- John Misquitta
79-B



Do you know?

1. What do you call a Computer that Sings?
2. Why can't cats work on the computer?
3. Why was the computer shy?
4. What did mommy spider say to baby spider?
5. Why was the computer cold?
6. What does a baby computer call his father?
7. Why are PCs like air conditioners?
8. Why do programmers always mix up Halloween and Christmas?
9. What happens when a Buddhist becomes totally absorbed with the computer he is working with?
10. How many programmers does it take to change a light bulb?
11. What do you get when you cross a computer with an elephant?

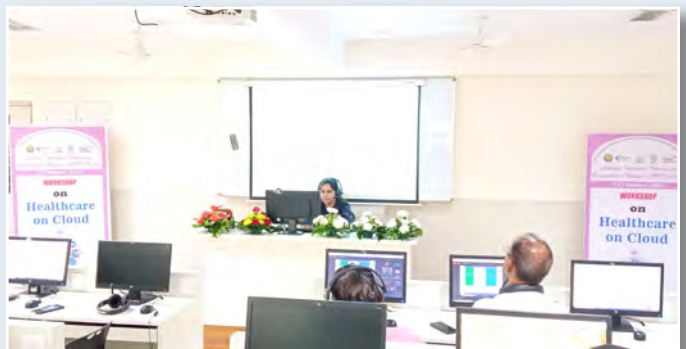
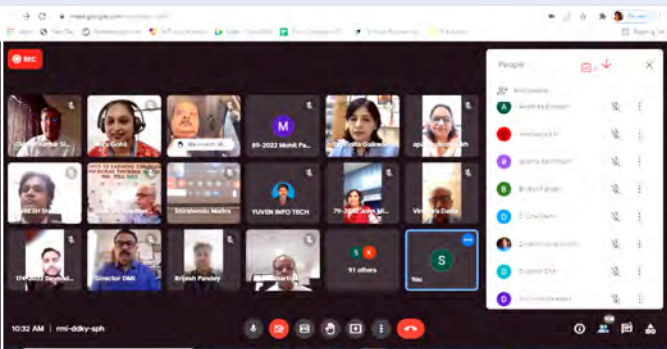
1. *Dell*
2. *They get too distracted chasing the mouse around.*
3. *Because it had hardware and software but no underware.*
4. *You spend too much time on the web.*
5. *It left it's Windows open!*
6. *Data!*
7. *They stop working properly if you open Windows!*
8. *Because 31 OCT = 25 DEC.*
9. *He enters Nerdvana.*
10. *None. It's a hardware problem.*
11. *Lots of memory*

Celebrations

ICAIM 2022



DOCTOR'S WORKSHOP



Glimpses

E-WEEK



Beyond Lectures

FDP



SPORT DAY



Celebrations

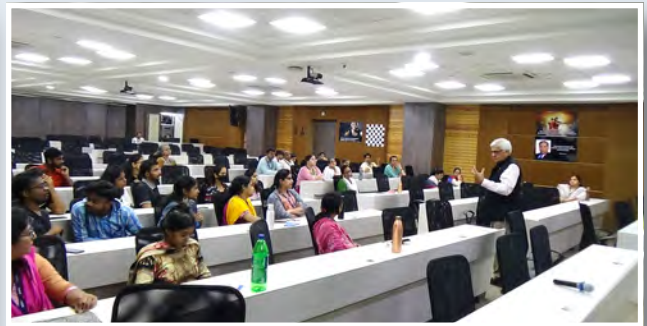
SYNSPSE



YOGA DAY



STTP







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