



NOTABLE EVENTS





**FROM
CHAIRMAN'S
DESK...**

Presently, a knowledge explosion is being used ushered in our midst especially in Engineering and technology. The joy and experience shared on our campus ensure the growth and development of the overall personality of all the students alike. It is great to notice interesting events taking shape frequently at our campus. All of us are equally delighted to witness the happenings of significant events and tremendous achievements. I wish to record my hearty congratulations to those who have brought laurels to the institution and I appreciate all of you for working together as a team. I am sure, it is just a beginning and there is a lot, more to be happening. Go ahead and continue the good work.

Hon. Bhausaheb A. Rupnar



**FROM MANAGING
DIRECTOR'S
DESK...**

We are on a mission to bring the finest education to our students. This newsletter is an attempt to keep our students and their guardians informed about the various activities going on in our campus community. It is important for us that all students stay involved in campus activities because it helps in their overall development. It is also a means to disseminate relevant information and keep the community updated. Our students and alumni have been achieving various milestones in their careers which make us really proud. We also wish to appreciate such students and alumni through this newsletter. I want to appreciate our staff and the students involved in this newsletter initiative and I look forward to the future volumes.

Hon. Dr. Amet B. Rupnar



**FROM CAMPUS
DIRECTOR'S
DESK...**

I am delighted to know that our college newsletter carrying the campus news and the achievements of our staff and students, who earn credits for the institutions, is being released. Four years of engineering education at FTC COER will not only earn students a degree but will transform students' personality and creativity, empowering them to lead a successful life. On this gracious occasion I wish all the best to those who are responsible for bringing out this letter. On reading this text, it would definitely be an inspiration and motivation for the other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all the contributors.

Hon. Sanjay N. Adate



**FROM
PRINCIPAL'S
DESK...**

The FTC COER has been functioning with its own vision and mission to produce quality Engineers who will be playing a proactive role in society. Apart from imparting best quality technical education through teaching-learning, laboratory classes, and self-study methodology, we are committed to ensuring that students of Fabtech Technical Campus become good at communication skills, team work, and decision-making abilities. The staff members are encouraged to maintain their intellectual curiosity & improve their technical expertise through staff development programs. Students are motivated to enhance themselves ethically, physically, & intellectually.

Dr. Ravindra B. Shendge

STUDENT SECTION

EXPERT TALK ON “CAREER OPPORTUNITIES IN NETWORK & SECURITY ENGINEERING”



Department of Computer Science & Engineering organized “Expert talks on “Career Opportunities in Network & Security Engineering” On 30th September 2022. Mr. Kailas Karajkhede (CEO & Managing Director at M-Tech Logic Consultancy Services LLP Pune, Maharashtra, India) started with an introduction to networks and their components, with an emphasis on what needs to be protected, where and how it should be protected. He spoke of security controls at enterprises like Mobile device management relevant to BYOD policies. He also spoke about the real-time scanning of files for malware detection and the advantages of black-listing and white-listing. Towards the end of session he spoke of endpoint security, File integrity checker, SIEM’s etc.

STUDENT INDUCTION PROGRAM (SIP) A.Y. 2022-23

The main purpose of the Student Induction Program (SIP) is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. Also the aim of an induction program is to make sure that new enrolled students are able to recognize their ability, inner skills, and to make awareness of technical education. The main objective of an Induction program is to make prepare the technological environment in students. Which is helpful them to ready to accept new challenges in technological world. In this connection we organized SIP during 04th to 19th November, 2022. Under this program we have conducted, Physical Activity, Yoga, Creative Arts like Painting, Drawing, Mentoring and Universal Human Values, Expert Lectures on Soft skills, personality development & Workshops, visit to all departments, library, workshop etc.



LINKEDIN PROFILE COMPETITION



Department of Computer Science & Engineering organized state level “LinkedIn Profile Competition” under the banner of computer science and engineering student association on dated 10 th November 2022 at 2:00 PM to 5:00 PM. Total 250 student participated in this competition from different colleges .Winner of this competition is Shubham Bundgar from SVERI’s College of Engineering and First Runner-up is Ganesh Lavte and Second runner-up Nisraga Fasage. From this computation all students aware of how to create and manage LinkedIn Profile.

ONE DAY WORKSHOP ON 3D PRINTING



A department of Mechanical Engineering organized one day workshop on “3D Printing” on 25th November 2022 for SY and TY Mechanical students. A total fifty students had been participated in this workshop. This workshop is conducted by Mr. Rushiraj Jadhav from Preidea Technology Pune. The workshop includes 3D Modeling, Printing, Finishing, Materials, Multi-material 3D printing and many more.

CSE PARENT TEACHER MEETING



The Department of Computer Science & Engineering organized a Parent Teacher meeting on Friday, 25th November 2022 at 2.00 pm. The main purpose of meeting was to create a common platform, where teacher and parents come together to enrich the student’s educational experiences and discuss a variety of issues regarding all around development of students. In this Felicited of winners in Linked \Profile creation Competition. The addressing speech was given by Head of department Dr. Prof. Somanath Thigale. After this Training and placement officer Dr. Prof. Sahebgouda Sangangoudar gave guidance about placement.

EXPERT TALKS ON “DATA STRUCTURE”



Department of Computer Science & Engineering organized “Expert talks on Data Structure” on 29th November 2022. Prof.V.M.Sale started the session with Introduction and in computer science, a data structure is a data organization, management and storage format that enable efficient access and modification. More precisely, a data structure is a collection of data values, the relationships among them, and the functions or operations that can be applied to the data. Data Structure includes all topics such as Array, Pointer, Structure, Linked List, Stack, Queue, Graph, Searching, Sorting, Programs, etc. He explained all the types with real time examples. And he showed many C programs for implementing these types. Many C puzzles related to this topic are asked and students answered with interest.

GUEST LECTURE ON ANCIENT AND MODERN MATHEMATICS

A session on Ancient and Modern Mathematics was conducted by department of Basic Science and Humanity on 29 th nov 2022. Prof Dr.S.A.Katre and Mrs .S.S .Katre were the guest speaker for the event. For this event Hon. Bhausaheb Rupnar (Managing Director Fabtech Technical Campus COER, Sangola), Hon. Mr.Sanjay Adate (Campus Director , FTC COER, Sangola) , Hon. Dr. Ramesh Shendage (Principal , FTC COER, Sangola) was present. First of all Hon. Bhausaheb Rupnar sir being felicitated the guest speaker Dr. S.A. Katre (SPPU, Pune). Then Hon. Mr. Sanjay Adate being felicitated Mrs. S.S. Katre (SPPU,Pune). Dr. S.A. Katre delivered very informative lecture on Ancient and Modern Mathematics which is very helpful to upcoming buddy Engineers. Then Mrs. S.S. Katre also delivered mathematical concept in a very creative and thoughtful manner. For said event 180 students were participated Lots of effort took by all the teaching and non-teaching staff to make successful of this event.



VOTER ID FORM FILLING PROGRAM CONDUCTED AT FABTECH TECHNICAL CAMPUS



Voter ID form filling program was conducted on 2nd December 2022 at Fabtech Technical Campus Degree Seminar hall. For said event Mr. Milind Patekar , Mr.Koli and Mr.Salgar being present from Sangola Tahsil to provide information regarding voter ID form filling to the students in a very simple manner. First of all, the dignitaries being felicitated by honorable Principal Dr. B.R. Shendage. Dr.S.S.Nikate has given brief introduction about the session.The importance of voter id was explained by mr.Milind Patekar .The blank forms were distributed to all students by Mr. Koli and Peon .The instruction regarding to fprm filling were given by Mr Salgar to all students.All teaching and non-teaching staff of

F.E. Btech was present for the said event.For this event 160 students were present and took the benefit of said event.

BIM WORKFLOW-INDUSTRIAL TRAINING



Civil Engineering Department planned Certifications Courses under BIM(Building Information Modeling) Workflow-Industrial Training from 13 Jan 2023; These are includes Scientific Vastu, AutoCAD (2D Software) ,Google Sketch Up (3D Software) – Exterior & Interior Designing, Staad Pro, Co-Ordination Engineering, Internship. “Scientific Vastu” course was completed and conducted by Mr. Akshay Nadiger (MTech- IIT Chennai), Special Training Officer L&T Constructions. For these

training more than 90 students are participated and completed the course successfully. This training was regularly monitored by Prof.Dudhal K.M.

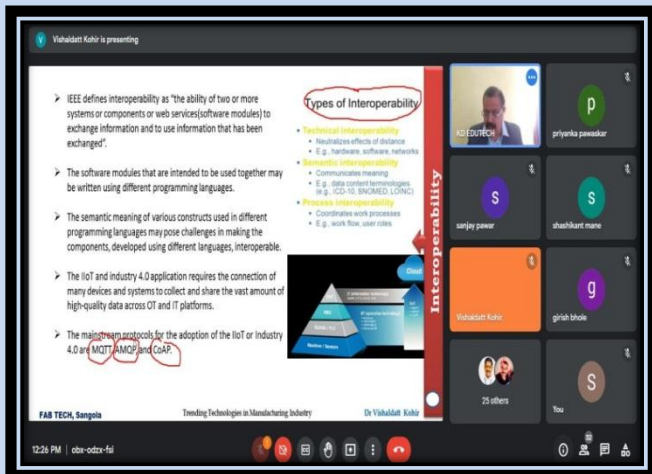
GUEST LECTURE ON “HOW TO PREPARE FOR CIVIL ENGINEERING COMPETITIVE EXAMS”



A department of civil engineering organized a guest lecture on “How to Prepare for Civil Engineering Competitive Exams” held on 4th March 2023. It helps to know about the syllabus and exam pattern of Civil Engineering competitive exams and GATE competitive exam. A guest lecturer Mr. Swapnil Patil working as an Assistant Engineer (Grade I), in Public Works Department. He was explained in detail about the preparation for the same. A total 60 number of SY and TY students were present for it.

FACULTY SECTION

FACULTY DEVELOPMENT PROGRAM (FDP) ON “RECENT TRENDS IN MECHANICAL ENGINEERING”



A five days Faculty Development Program on the “Recent trends in Mechanical engineering” organized by department of mechanical engineering in Collaboration with DBATU, Lonere. A FDP was successfully conducted between 8th August to 13th August 2022. It was focus on the advancements in various fields of Mechanical Engineering. This FDP includes brief discussion about Today’s Scenario in Hybrid Vehicle, Industry 4.0, Alternate Cooling Solution, Trending Technologies in Manufacturing Industry, Emerging Trends

in Nanotechnology, Recent Development in Nanocomposites in Additive Manufacturing, etc. Resource person of FDP were Dr. Neeraj Agrawal (Prof. & HOD of Dr. Babasaheb Ambedkar Technological University, Lonere), Dr. Vimalkumar Chouksey (Prof. & HOD, Sardar Patel University, Balaghat, M. P.), Dr. Sandeep Wangikar (Professor, SVERI’s College of Engineering, Pandharpur) and many more. Total 55 participants were participated in the FDP from various nearby colleges.

FACULTY DEVELOPMENT PROGRAM ON “RECENT TRENDS IN COMPUTER SCIENCE”



Department of Computer Science & Engineering organized on 8th August 2022 one week faculty development program on “Recent Trends in Computer Science”. Program is conducted by Mr. Arate Dhanraj, Mr. Abhijit Nashte, Abhijit Gatade, Mr. Gore from Different MNC Software Companies. FDP covers major Recent Trends in Computer Science as Python, MongoDB, Big data, Azure in cloud computing. This FDP enhanced the faculty knowledge on Web Technology.

FACULTY DEVELOPMENT PROGRAM ON “RECENT TRENDS IN ENTC AND ELECTRICAL ENGINEERING”

Our Department has arranged FDP during 16th August to 21st August, 2022 on “Recent trends in Electronics & Telecommunication Engineering and Electrical Engineering”.



This FDP provides us the opportunity to interact with experts on topics of interest and emerging development in the Electrical, Electronics and Telecommunication field. These sessions are vital part of our knowledge management activities, a high priority at the institute.

FDP certainly set a high standard for this session. All session were excellent and well received. The attendees thought of session was educational, thought provoking, and provide valuable perspective. This guidance will proceed more precisely for the betterment of this noble cause. A five days Faculty Development Program in Collaboration with DBATU for teaching staffs on the subject Research and Development in Electrical, Electronic and Telecommunication Engineering at our institute on 16 th August 2022

to 21 th August 2022 was successfully conducted. The FDP programme received an overwhelming response with 60 participants from various nearby colleges. Resource person of FDP are Dr. Kulkarni Anant Aravind (Assistant Professor, F.C.Rodríguez Institute of Technology,vashi,New Mumbai(MH)), Prof.Swapnil Yashavant Gadgune (Research Scholar,Assistant Professor PVPIT, Budhgaon(MS)), Dr. V. Ashok (Assistant Professor, KITS Warangal(TS)), Dr. Dipti Amol Tamboli (HOD Electrical Department, SVERI's College of Engineering, Pandharpur(MH)), Dr. Mini Rajeev (Associate Professor F.C.Rodríguez Institute of Technology,vashi,New Mumbai(MH)). They shared their knowledge with participant using power point presentation and various technique like giving examples etc. It helped to make subject fully understand and created interest among the participant.

WOMEN'S EMPOWERMENT AWARENESS EVENTS



FTC, COER, Sangola are organized "Women's Empowerment Awareness Event" through the Internal Complaint Committee on 08th Dec 2022. The chief guest of this event Smt. DySP. Rajashri Patil madam had been guided about the self-defense of the girls. She was also talk on the many points such as "Nirbhaya Pathak" for safety of girls, Provision act for molestation of workplace and domestic violence, POSH act application(irrespective of its industry location), the Equal Remuneration Act 1976, etc. Total 70 number of girl's students was benefited of this event. The overall event coordinated by Head of ENTC Department Prof. Raut D.M madam with the help of all ladies faculty.

FY PARENT TEACHER MEETING



A parent meeting for first year student of Fabtech Engineering College was conducted on 11 Feb 2023. All students studying in the first year and their parents present for that meeting .Principal Prof. Dr. R.B.Shendge sir was present as the Chief Guest in this meeting .He guided the students very effectively. First year Department Head Dr. Nikte also addressed the students given information about how the annual tenure will be .Academic Dean Prof. Dr. Dhaigude sir also guided the students an how to live as a student’s .Also Prof .Lakade sir has given the information about T and P cell and awareness about it .Prof. M. S. Patil regularly

their future opportunities .Few students and parents representative also expressed their opinion .This parents meeting was moderated by Prof.Rohit Dongarkar.

INTERACTION WITH OUTSIDE WORLD



1. Dr. Somnath Thigale is head & associate professor in computer science & engineering department. Conducted expert talk at government polytechnic, Solapur for third year students on topic "Design Thinking Approach in Project" more than 60 Students and 3 staff attended session. Also the session conducted for Students and staff of the Institute of Computer and Management Studies, Pandharpur on the topic "Design Thinking-Cooperative Learning". Where small storytelling practices, Hands-on sessions on Innovative Ideas along with Project to Product were discussed. He Delivered a expert talk at Shivaji Polytechnic, Sangola for TY CO students on Software Testing a Innovative Perception.



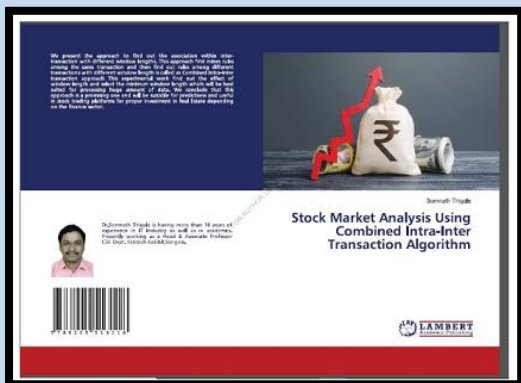
2. Prof. Sanjay Pawar worked as session chairing during the International Conference on Advanced Technologies for Society Applications(Techno Societal 2022), held at SVERI, Pandharpur, from 9th to 10th December 2022. He was also presented a research paper on same conference.

3. Prof. Sampath Kumar Bodapatla, presented a research article with title “A Technical Review

on Signal Processing Methods for Mitigation of low frequency oscillations in wind power systems”, at International Conference on Advanced Technologies for Society Applications(Techno Societal 2022), SVERI, Pandharpur, from 9th to 10th December 2022.

BOOKS/PUBLICATIONS/PATENTS

Dr. Somnath Thigale Published book on “Stock Market Analysis Using Combined Intra-Inter Transaction Algorithm”



Dr. Somnath Thigale Published book on 25th November. Dr. Somnath Thigale is head & associate professor in computer science & engg. department. He is having more than 16 years of experience out of which 10 years as Prof. In CSE Dept. & more than 6 years as IBM Rational & DB2 Certified facilitator. In this book present the approach to find out the association within inter-transaction with different window lengths. This approach first mines rules among the same

transaction and then find out rules among different transactions with different window length is called as Combined Intra-Inter transaction approach. This book is published by Lambert publication.

Indian Patent Achievements by Dr. Somnath Thigale



Dr. Somnath Thigale sir has achieved Three Indian Patents Successfully published on 21 th October 2022.

1. Application No.202221059356 A, Title of the invention : Optimum Design Of Thermoelectric Couple-Based Heat Ventilation And Air Conditioning System For Cars
2. Application No.202221059374 A, Title of the invention : Design & Development Of Scalable Real-Time Electric Vehicles Charging and
3. Application No.202221059392 A, Title of the invention: Design of Solar Grain Dryer for Storage.

Indian Patent Achievements by Prof. Rahul Autade

Prof. Rahul Autade sir has achieved Indian Patents successfully on 10th February 2023. An Application No. 202321004759, Title of the Invention: “A Cantilever Type Piezoelectric Vibration Energy Harvester Having Frequency Tuning Provision”

Publication Number	-	06/2023	Application Filing Date	24/01/2023
Classification (IPC)		H02N0002180000,	H04B0005000000,	H01L0041113000,
		H01F0041020000,	B01D0053840000	

ARTICAL

AN ARTIFICIAL INTELLIGENCE: OUR FUTURE NEED

Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing and speech recognition & machine vision.

How does AI work?

As the hype around AI has accelerated, vendors have been scrambling to promote how their products and services use AI. Often what they refer to as AI is simply one component of AI, such as machine learning. AI requires a foundation of specialized hardware and software for writing and training machine learning algorithms. No one programming language is synonymous with AI, but a few, including Python, R and Java, are popular.

In general, AI systems work by ingesting large amounts of labeled training data, analyzing the data for correlations and patterns, and using these patterns to make predictions about future states. In this way, a chatbot that is fed examples of text chats can learn to produce lifelike exchanges with people, or an image recognition tool can learn to identify and describe objects in images by reviewing millions of examples.

AI programming focuses on three cognitive skills: learning, reasoning and self-correction.

Why is artificial intelligence important?

AI is important because it can give enterprises insights into their operations that they may not have been aware of previously and because, in some cases, AI can perform tasks better than humans. Particularly when it comes to repetitive, detail-oriented tasks like analyzing large numbers of legal documents to ensure relevant fields are filled in properly; AI tools often complete jobs quickly and with relatively few errors.

This has helped fuel an explosion in efficiency and opened the door to entirely new business opportunities for some larger enterprises. Prior to the current wave of AI, it would have been hard to imagine using computer software to connect riders to taxis, but today Uber has become one of the largest companies in the world by doing just that. It utilizes sophisticated machine learning algorithms to predict when people are likely to need rides in certain areas, which helps proactively get drivers on the road before they're needed. As another example, Google has become one of the largest players for a range of online services by using machine learning to understand how people use their services and then improving them. In 2017, the company's CEO, Sundar Pichai, pronounced that Google would operate as an "AI first" company.

Today's largest and most successful enterprises have used AI to improve their operations and gain advantage on their competitors.

Prof. S. M. Karve (Dept. of AI&DS)



Felicitation of Mr. Chaitanya Arjun, B. Tech Mechanical, placed in SAN Engineering Solutions (package 5.2 lakhs per annum) by Hon. Bhausaheb Rupnar Sir.



Solapur District Zonal Match Kabbadi Runner Up Team



Blood Donation Camp



मराठी भाषेतील अभिजात ग्रंथांची परिचय करून देणारी मराठी भाषेतील तज्ञ नामवंत वक्ते यांच्याकडून मार्गदर्शन

Web & Engineering
Advanced Computer Engg.
PHARMACY
+ PG-DMLT

मराठी भाषा संवर्धन पंधरवडा-
2023
दि. 25 नोव्हेंबर 2023 विविध शासकिय संस्था

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Felicitation of 2015 Batch Alumni Ms. Kiran Mohite(BE ENTC) by Hon. Bhausaheb Rupnar Sir for selected as State Tax Inspector