# **FTCCOER**



## **NEWSLETTER**

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A state level technical event TECHNOFAB 2K22 was organized at Fabtech Technical Campus, College of Engineering and Research, Sangola. The main purpose of the institute behind this event is to boost the innovative technical ideas of the students. A total 1500 students are participated in this program. In this technical event many activities are conducted by each department. Some of the common technical events are Paper Presentation, Poster Presentation, Project Presentation, Technical Quiz, etc. A total 21 technical events were organized by all the departments. The chairman of the institute Hon. Bhausaheb Rupnar gave brief information about the Fabtech Group at the inaugural ceremony of the technical event. While addressing the students, he said that success is guaranteed if any work is done with passion. The FTC COER, Sangola will always continue to implement programs like TECHNOFAB 2K22 for the overall development of students.



FROM CHAIRMAN'S DESK...

Presently, a knowledge explosion is being ushered in our midst especially in Engineering and technology. The joy and experience shared on our campus ensure the development of the overall and 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.



# FROM EXECUTIVE 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. Bhausaheb A. Rupnar

Hon. Ameet 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 vears 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.



# 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 decisionabilities. The staff members making encouraged to maintain their intellectual curiosity & improve their technical expertise through staff development programs. Students are motivated to enhance themselves ethically, physically, & intellectually.

Hon. Sanjay N. Adate

Dr. Ravindra B. Shendge

### Computer Science & Engineering Department

## ONE WEEK FACULTY DEVELOPMENT PROGRAM ON WEB TECHNOLOGY



A Department of Computer Science & Engineering organized one week faculty development program on "Web Technology". The program was conducted by Mr. Krushna Pise from SNIT Software Solutions. FDP covers major web technologies as HTML, CSS, Bootrap, JavaScript & PHP. This FDP includes hands on session to get practical knowledge to develop the websites. This FDP

enhanced the faculty knowledge on Web Technology.

# WEBINAR ON SUPERVISED LEARNING & UNSUPERVISED MACHINE LEARNING



A webinar on "Supervised Learning & Unsupervised Machine Learning" was conducted by Miss. Megha Varshney. This webinar covered detail idea regarding the different machine learning-supervised and unsupervised machine learning algorithms such as regression, linear regression, random forest and other important concepts of Machine Learning.

#### College Level Hackathon -2022



A college level Hackathon under Ministry of Education Gov. of India is conducted on 30<sup>th</sup> March 2022. In this event 11 groups and 66 students participated (Girls-28, Boys-38). From the 11 number of groups we were selected 8 groups means 48 students (Girls-24, Boys-24) from various domains. In this event we had been evaluate project idea and innovations for problem statements under different domain given by SIH. This activity will

help to improve the students programming and problem solving skills.

#### WEBINAR ON "HOW TO WRITE RESEARCH PAPER"



A Webinar on" How to Write Research Paper" was conducted by Dr. Omvir Gautam, from Vishwakarma University, Pune. In this webinar Dr. Omvir guide our students for how to write and publish research paper in the reputed journals or conferences. He was also explained various methodologies to write research paper and also suggest various journals to publish the research article.

#### **SEMINAR ON INTELLECTUAL PROPERTY RIGHTS**



Department of Computer Science & Engineering organized a seminar on "Intellectual Property Rights with reference to the Engineering". This seminar is conducted by Dr. Prakash Bansode from the Sangola College, Sangola. This seminar gives us a brief knowledge of basics of the IPR, types of the IPR, how to register patent in various patent offices in India. He was also explained the detail process of IPR file in India and information regarding patent filling,

publishing and granting.

#### COURSE ON "CORE & ADVANCE JAVA" FOR SY & TY



An Add on/Certificate program conducted for SY and TY students on "Core & Advance Java". This program is conducted by Mr. Onkar Waghmare from GTT, Pune. This program covers hands on experience with Java programming and its object-oriented features. The students learnt to write, compile and execute Java programs, build robust applications using Java's object-oriented features.

#### DIGITAL PAYMENT AWARENESS PROGRAM



The social activity on "Digital awareness program" was held at Bamni village in association with Bamani Grampanchayat. In this activity students are visited to different shops, schools and door to door campaigning regarding the awareness about the safe digital payment. They also give the brief knowledge about the digital payment and information regarding safe mode of online payment facility. The theme of this program was "Don't Share Your Personal Information".

# ONE WEEK FACULTY DEVELOPMENT PROGRAM ON RECENT TRENDS IN COMPUTER SCIENCE



A one week faculty development program was organized on "Recent Trends in Computer Science". This program was conducted from 8<sup>th</sup> August 2022 to 13<sup>th</sup> August 2022. This faculty development program includes various emerging topics such as Python Programming, GIT, Front End Technologies, Cloud Services, MongoDB Database and Data Science. The all sessions are conducted by industry professionals and explain in details the use of these technologies in the industry.

### **Mechanical Engineering Department**

#### **WORKSHOP ON AUTODESK FUSION 360**



A department of Mechanical Engineering organized a workshop on "Autodesk FUSION 360" on 9th April 2022. A total eighteen faculties had been participated in this workshop. A FUSION 360 is the Autodesk Software. It is an open source platform used for building Mechanical Design projects. The workshop includes industrial Problem Solving technique, how to use software in different conditions such as sketching, modeling, assemblies, visualization, drawings, simulation and importing data.

#### **GUEST LECTURE ON MPSC ENGINEERING SERVICE EXAM**



A guest lecture on "MPSC Engineering Service Exam and Different Farmer Schemes" held on 4th May 2022. It helps the students to know about the syllabus and exam pattern of general MPSC & Engineering Service exam. The First session was conducted by Mr. Shivaji Shinde, working as Agricultural Officer. He was explained in detail about the preparation for the same. The Second session was conducted by Mr. Balasaheb Sawant, working as an Assistant Agriculture officer. He was explained about the detailed schemes applied for the farmer by the Governments such as Poultry Farming, Fishery, Cashew nut Machine Plant, Cereal Separator Machine and

etc.

#### **SEMINAR ON ENERGY CONSERVATION**



The present seminar includes the awareness of energy conservation. The second and third year students of mechanical and Electrical Engineering were attended this seminar. It gives the information regarding the awareness of the thermal and electrical energy conservation, need, benefits and importance of renewable energy. Dr. Mahesh Wagh from Shivaji University, Kolhapur conducted this Seminar under Mechanical engineering students Association Dated on 7th June 2022.

#### 3 Days' Workshop on Yoga and Meditation



A department of mechanical engineering organized a three days' Workshop on" Yoga and Meditation" which was held from 20th June 2022 to 22nd June 2022 on the occasion of National Yoga day. The yoga trainer Er. Milind Patki enthusiastically teaches all the yoga activities to the students as well as faculties also. He delivered a lecture on importance of yoga and how it useful to reduce the stress on the human life. The more than 100 students are participated in this activity. The faculties involved in this event are Prof. Pawar S. A. & Prof. Pawaskar P. P. and all mechanical department faculties. The MESA student coordinators Mr. Mule, Mr. Khandagale & Mr.Lengare were took effort to make this

event successful.

#### **INDUSTRIAL VISITS**



To learn practically through interaction, working methods and employment practices an industrial visit was organized for the second and third year Mechanical engineering students. It gives the students an exposure to current work practices as opposed to theoretical knowledge being taught in their classrooms. A number of industrial visits were organized such as ST Workshop, Sangola on 1st April 2022, Sparkon Textiles & Sparkon Engineers, Sangola on 26th April 2022, and Shimpukade Industries, Kolhapur on 7th June 2022. A total 50 number of students are participated in it. The students learnt about the fabrication of the bus, working of diesel engine, all the mechanical process i.e. welding, cutting, heat treatment process, stress relieving process, castings process and many more.

#### **GUEST LECTURE ON NPTEL SWAYAM**



A Guest Lecture on NPTEL SWAYAM held on 24 August 2022. A guest lecture conducted by Prof.Chetan Jadhav from SVERI College of Engineering, Pandharpur. They discuss regarding how to encourage more students across colleges to participate in this course. They also give information regarding setting up SWAYAM-NPTEL chapter in the college, SPOC Time line and other guidelines etc. They also discuss about the new opportunity available through SWAYAM NPTEL Courses in Engineering Sector.

### **Electrical Engineering Department**

# 5 Days Add on Certificate Course on "Embeded System Based Arduino"



A certificate course on "Embeded System Based Arduino" was organized in our college from 20<sup>th</sup> June 2022 to 24<sup>th</sup> June 2022 by an Electrical Department. The member of the training team was Mr.Rohit Danake from Meen Technology. The duration of this workshop was five consecutive days with six hours session of each day, properly divided into theory and hands on practical session. After attending the workshop

students are able to understand the basics of Arduino and its application. They also know about the build project using Arduino, work with different sensors to detect different parameters, understand Arduino programming and serial monitor, develop and test weather monitoring station. A total 70 number of students participated in this course.

### **Electronics and Telecommunication Engineering**

#### **INDUSTRIAL VISIT**



An Industrial Visit organized for SY Electronics and Telecommunication students on 30th June 2022 at the Dakshtech Engineering and PANACEA Enterprices. This company is located at Waluj MIDC, Aurangabad. Total 19 students and 4 faculties are visited to the industry. The industrial visit helps to upgrade the knowledge of the students regarding elevators.

#### **GUEST LECTURE ON YOGA**



Prof.Mrs.Rohini Kulkarni guided on "Yoga and its practices" in our day to day life on the auspicious occasion of "International Yoga Day "on 21st July 2022. She described a meditation process in which man tries to bring his mind, body and soul together in line. Yoga is a Sanskrit word has a meaning "to meet or to unite". Yoga originated from Indian culture. People have been practicing Yoga from since 5000 years. Yoga do not have

physical fitness primarily; in Yoga, people try to control their body and mind through mental focus and breathing methods. It was also explained that, Yoga is divided into six branches, namely Hatha Yoga, Raja yoga, Karma yoga, Bhakti yoga, Jnana yoga, Tantra yoga. There are also seven chakras of yoga styles namely Sahasram chakra, Ajna chakra, Vishuddha chakra, Anahata chakra, Manipura chakra, Svadhishthana chakra, Muladhara chakra.

#### WOMEN'S DAY CELEBRATION



On the occasion of "Women's Day" on 8th March 2022 FTC, COER, Sangola organized guest lectures for all girls and ladies faculties. Prof. Meena Kulkarni madam had given guidance on self-defense of girls. Ms. Sheetal Patil discussed on current opportunities on soft skills development in foreign countries. They also said that the future opportunities in IT sectors for the girls. She was also describes about the abilities to get the job in the foreign countries. Dr. Pradnya Lavate madam had given advice about diet Plan for healthy lifestyle, how to increase the HB, healthy food and many more. The staff coordinator was Prof. Raut D. M.

### **Civil Engineering Department**

#### **SEMINAR ON RESEARCH METHODOLOGY**



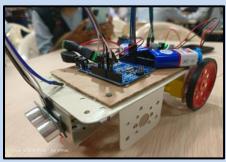
A seminar on Research Methodology was organized by the department of Civil Engineering and IQAC for teachers and students at Fabtech College of Engineering on 4th July 2022. The main speaker of this seminar was Dr. B.K. Songe, Orchid College, Solapur. While guiding in this seminar, he gave indepth guidance on how to choose the research topic, how to choose the material, and how to write a research paper.

### General Science Department (First Year)



A health checkup camp had been organized by department of basic sciences and humanities in association with Ajinkyatara Multicare Hospital and FTC COER on 04th May, 2022 during 02: 00 pm to 04:30 pm at Exam Control Office of Pharmacy (A wing, Room No. A-05). Prof. R A. gavde worked as coordinator for the said Camp. Dr. Ajinkya Nashte and his team examined more than 75 teaching and non-teaching staff in the campus.

#### **WORKSHOP ON ROBOTICS**



A robotics workshop was conducted on the Fabtech Technical Campus, College of Engineering and Research, Sangola. The workshop was conducted by Mr. Vinay Kunwar, Mr. Siddhant Jadhav, Ms. Snehal Jadhav, and Ms. Sneha Pawar. More than 100 students were participated in this workshop. This workshop was organized by the HOD first year Prof. Rajkumar Gawde and coordinated by Prof. Rohit Dongarkar.

#### **Institute Level Events**

#### **SEMINAR ON NATIONAL EDUCATION POLICY 2020**



An Education Policy lays particular emphasis on the development of the creative potential of each individual. The teacher must be at the centre of the fundamental reforms in the education system. The new education policy must help re-establish teachers, at all levels. Therefore, Department of Basic Science and Humanities, Fabtech Technical Campus College of Engineering and Research has organized a seminar on "National Education Policy 2020" on 27th June, 2022. Dr. N. B. Pawar (Principal, Shri. Sant Damaji Mahavidyalaya, Mangalwedha) was the resource person for the said seminar. Faculty members of Degree and

Diploma engineering as well as the pharmacy faculties were attended the seminar.

#### SEMINAR ON INTELLECTUAL PROPERTY RIGHTS (IPR)



An Intellectual Property Rights (IPR) refers to the legal rights given to the inventor or creator to protect his invention or creation for a certain period of time. Intellectual property is a category of property that includes intangible creations of the human intellect, and primarily encompasses copyrights, patents, and trademarks. FTC, COER was organized a seminar on "Intellectual Property Rights (IPR)" on 27th June, 2022. Prof. Vaibhav Kulkarni (Walchand Institute of Technology, Solapur) was the resource person for the said

seminar. Faculty members of Degree and Diploma engineering were attended the seminar.

# NATIONAL CONFERENCE ON "RECENT TRENDS IN SCIENCE AND ADVANCES IN ENGINEERING 2022"



A National Conference on "Recent Trends in Science and Advances in Engineering 2022" had been organized by Fabtech Technical Campus, College of Engineering and Research (FTC COER), Sangola on 30 June,2022 during 09:00 am to 05: 00 pm. Dr. S. S. Nikte worked as convener and Prof. S. S. Dharane worked as co convener for the said conference. A total 160 number of candidates were registered from different institutions, 150 full length papers were presented by the candidates in parallel sessions . Welcome of all

participants by Prof. Priyanka Pawaskar. Principal, Prof. (Dr.) R. B. Shendge Sir was given introduction of FTC COER, Sangola. Excellent talk on the conference theme given by Dr. S. P. Patil, (Principal Karmyaogi College of Engineering Shelve), Dr. T. A. Chavan (Principal

SSWCOE Solapur) and Dr. G. K. Kate (HOD Civil Engg. Dept. SVPMCOE Malegaon Baramati). The conference was make successful under the guidance of Dr. N. G. Narve.

#### **COMPETITIVE EXAMS CELL**



Fabtech technical campus, college of engineering and research has started the competitive exam cell for all students of engineering and polytechnic. The competitive exam cell was inaugurated by Dy. Collector of Akola Hon. Abhaysinh Mohite. The motto of the management and principal regarding the competitive exam cell will achieved through the gate tutor. The study materials of well reputed academies are made available for all the faculty members and students. This institute is going to start the special couching for the

entire competitive exam from September 2022.

#### **GUEST LECTURE ON HEALTH HYGIENE**



A Guest lecture on "Health Hygiene and Advance Yoga Technique" was organized by FTC, COER, Sangola. A lecture was delivered by Dr.Supriya Lavate (BAMS, DGO) & Mrs. Asha Nikam (Acupuncturist, Yoga therapist) for all girls' student and all ladies faculties on 25th May 2022. They were explained in details about hygiene related medical products, replacement of harmful cosmetics by natural or herbal product, healthy diet, laughter theory, aerobics exercise and many more.

# EXHIBITION ON NUCLEAR SCIENCE & TECHNOLOGY BY BHABHA ATOMIC RESEARCH CENTRE



Fabtech Technical Campus College of Engineering and Research, Sangola, Taluka Sangola, Dist. Solapur jointly Organized with Bhabha Atomic Research Centre, Mumbai have planned BARC Outreach Programme on the theme "National level Seminar on Nuclear Science & Technology and Exhibition (NSTSE-2022)" on July 01, 2022 at Fabtech Technical Campus College of Engineering and Research, Sangola. The scientists from BARC visited to our institute was Dr Abhijit Tillu (Managing Director Electron Beam BARC, Mumbai), Dr.R.K Singh (Former Scientist ,BARC), Dr.Lalit Varashney,

(Former Head Radiation Technology, and Prof. Homi Bhabha National Institute). Exhibition on BARC Technologies was includes Poster Gallery, Interactive models, LCD displays, information kiosks and AV presentations depicting applications of atomic energy.

### Training and Placement Department



# WEBINAR ON "A GOLDEN WAY TO PROGRESS SOFT SKILL"

A Webinar on "A Golden Way to Progress Soft Skill" was held for the all students on 05 March 2022. The resource person is Er.Mohan Deshpande. Total 100 students were participated in it. The speaker explained in details about communication skill and how to improve soft skill knowledge.



#### WEBINAR ON "CAMPUS —PRENEUR"

Training and Placement Department Organized a webinar on "Campus –Preneur" for the all students on 15<sup>th</sup> March 2022. The resource person was Dr. Vivek Bindra. Total 100 students were participated in it. Mr. Vivek Bindra a renowned International Motivational speaker and leadership trainer described five amazing strategies that can help entrepreneurship.

Meeting with the Codemind Technology Pune Team and Hon. Ameet Rupnar Sir on 21th July 2022 for TPO Software development project.





**MATPO MEETING at Pune** 



Tree Plantation by Tahsildar Abhijeet Patil & CO Kailash Kendre , Sangola Nagarparishad Sangola.



































































