Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar
Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra
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Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

6.2.1 Perspective/Strategic Plan and Deployment Documents are Available in the Institution

Index 6.2.1

2ND NATIONAL CONFERENCE

2024
I2ST-2K24
INVENTIONS AND INNOVATIONS IN SCIENCE AND TECHNOLOGY

04 & 05 APR, 2024

Ahmednagar Jilha Maratha Vidya Prasarak Samaj'sr

SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGINEERING,
NEPTI, A.NAGAR

Survey No. 162 & 163, Nepti, Nagar - Kalyan Road,
Ahmednagar - 414005, Maharashtra

OUR INSPIRATIONS AND MOTIVATIONS

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(President, AJMVPS, Ahmednagar.)

Hon. Shri. Dr. Vivek Prabhakar Bhapkar
(Vice President, AJMVPS, Ahmednagar.)

Hon. Shri. Adv. Vishwasrao D. Athare Patil
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Hon. Shri. Mukesh M. Mulay
(Trustee, AJMVPS, Ahmednagar.)

MESSAGE FROM PRESIDENT, AJMVPS

HON. SHRI. RAMCHANDRA DARE SAHEB
(PRESIDENT, AJMVPS, AHMEDNAGAR.)

I am very happy to note that the AJMVPS's Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar is organizing a 2nd National Level Conference on Invention & Innovations in Science and Technology (I2ST 2K24)on the 4th and 5th April 2024 (Hybrid mode).

SCSMCOE, Nepti is known for imparting its progressive education, with a blend of knowledge of Engineering techniques. The SCSMCOE, which has a beautiful campus ensures that our students assimilate the best of knowledge from the formal system of education and imbibe the right mix of culture, personality, attitudinal development, and life skills, thereby building a foundation for a lifetime of leadership and hard work. It is in this context that I especially welcome the initiative of the SCSMCOE, to organize the 2nd National Level Conference on Invention & Innovations in Science and Technology (I2ST 2K24) on 4th and 5th April 2024 (Hybrid mode). The ideas and thought processes that will be exchanged during the conference will, I am sure, educate, inform, and provoke our faculty and students and also immensely benefit all the participants. I sincerely appreciate the efforts taken by the staff and students of the SCSMCOE in this maiden initiative of theirs and take this opportunity to compliment all the staff for their exemplary work, devotion and sincerity of purpose which today has made a successful event.

Shri Chhatrapati Shivaji Maharaj College of Engineering
Nepti
Ahmednagar

MESSAGE FROM SECRETARY, AJMVPS

HON. ADV. SHRI. VISHWASRAO ATHARE SAHEB
(SECRETARY, AJMVPS, AHMEDNAGAR.)

I am very happy to note that the AJMVPS's Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar is organizing an 2nd National Level Conference on Invention & Innovations in Science and Technology (I2ST 2K24)on the 4th and 5th April 2024 (Hybrid mode).

I am immensely proud of the achievements of the AJMVPS's Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar in organizing the 2nd National Level Conference on Invention & Innovations in Science and Technology (I2ST 2K24) on 4th and 5th April 2024 (Hybrid mode). SCSMCOE bridges the gap between an individual and a professional. It gives me great pleasure to know that SCSMCOE conference Proceeding is ready for publication. True to its name, this proceeding gives an insight into the range and scope of participants.

I applaud the editorial team for the hard work and dedication they have invested in realizing this goal, and wish my dear students success in all future endeavors. I wish the team of SCSMCOE, Nepti the very best.

Shri Chhatrapati Shivaji Maharaj College of Engineering
Nepti
Ahmednagar

MESSAGE FROM PRINCIPAL

DR. Y. R. KHARDE
(PRINCIPAL, SCSMCOE, AHMEDNAGAR)

The idea of organizing this conference is to bring researchers, faculty, and students on a common platform to share their ideas which will result in fruitful knowledge gaining among the participant. The success of this conference is a result of the efforts of contributors and presenters who have shared with us the latest developments in their respective fields. Such an event is not possible without the hard work of the reviewers to whom I am deeply indebted for taking out time to provide professional opinions on the submissions. I highly appreciate the efforts of the All Head of Departments, Coordinators, All teaching and Non-Teaching staff, students & the conference organizing team who have coordinated and linked with the contributors, reviewers and many other concerned.

I wish all the best to all participants for 2nd National Conference on inventions and innovations in Science And Technology (I2ST) .

Shri Chhatrapati Shivaji Maharaj College of Engineering
Nepti
Ahmednagar

HEAD OF DEPARTMENT

ORGANIZING COMMITTEE MEMBERS

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(FE COORDINATOR)

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(HOD, AIDS DEPT.)

BEST WISHES !!!

Shri Chhatrapati Shivaji Maharaj College of Engineering
Nepti
Ahmednagar

MESSAGE FROM COORIDNATORS

Prof.Mr. M. D. Mandhre

Prof. Mr. A. G. Dekhane

Prof. Mr. R. V. Rohamare

It gives us immense pleasure and satisfaction to write a preface to the souvenir for the 2nd National Level Conference on Invention & Innovations in Science and Technology (I2ST 2K24) 4th and 5th April 2024.

This conference aims to provide a platform to bring students, researchers, faculty, and industry people from every corner of India and create a medium for exchanging and circulating knowledge. Participant through this conference can share their work with experts, for valuable feedback and improvement in their work if any. The organizing committee members are working with enthusiasm and hard work to make sure that each participant will have quality communication with other participants. For this conference, we had the participation of UG, PG, Research students, Faculties, and Industry persons. We are deeply obliged to our Trustee, AJMVPS, and Hon. Principal for their consistent support and momentum throughout for this Souvenir and for making this 2nd conference a big success. We are grateful to all heads of the department for their continuous guidance during the organization of this conference. We must thank to peer review committee members for their efforts in rigorous review work and shaping the souvenir. Finally, we are also thankful to the authors, organizing committee members, advisory board, and student volunteers for their kind cooperation.

Shri Chhatrapati Shivaji Maharaj College of Engineering
Nepti
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Mr. B. R. Zaware

ABOUT US

About Organization

100 YEARS OF GLORIOUS HISTORY IN EDUCATION

Ahmednagar Jilha Maratha Vidya Prasarak Samaj is a Unique Educational institution engaged in a variety of Social, Cultural, and Educational activities for the last nine decades. The Vision, Mission & philosophy of the society firmly believes in quality education in the Engineering field.

The Ahmednagar Jilha Maratha Vidya Prasarak Samaj, the parent institution of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar was founded in the year 1918. It is the pioneer educational institution in the district. Initially, the Society started the Maratha Boarding for poor students in the name of the Late Karmaveer Hutatma Chatrapati Chouthe Shivaji Maharaj, father of Rajarshi Shahu Maharaj, who bravely fought against the British Rulers who were tortured, confined, and killed in the Ahmednagar fort. Chhatrapati Shahu Maharaj, Kolhapur donated a substantial amount towards the boarding. The Founders of the Society were highly motivated and inspired by the teachings of the Late Chhatrapati Shahu Maharaj, Mahatma Phule, Maharshi Vithhal Ramji Shinde, Dr. B.R.Ambedkar and Karmveer Bhaurao Patil. The institution started with its first High School, named Tagore High School in the year 1941, which was subsequently named a Residential named as Residential High School in the year 1943. It received assistance and encouragement from Chhatrapati Shahu Maharaj, Kolhapur. The institution ehich was started with meagre funds and food grains contributed by public has now grown an enormous size, with it's various types of institutions.

Today the Institution is one of the guiding stars in the field of eduaction in Ahmednagar district. It runs Thirteen Hostels for boys & girls, One primary school, one school for Adivasis, Forty Seven High schools including Jr. Colleges, Nine Senior Colleges, One Institute of Management & Research, Institute of Hostel Management and Catering Technology, Law College and D.ED College. This year the Sanstha has crossed another milestone by Starting an Engineering College. These 92 Institutions under the ages of Ahmednagar Jilha Maratha Vidya Prasarak Samaj,play as effective role in spreading Education

ABOUT US

About Institute

In the era of globalization, knowledge is power. Engineering Education plays a vital role in nation building, corporate sectors and industries. We strongly believe that students, if properly nurtured and educated, can become important assets of society and nation. Keeping in mind, that the student is the focal point of all activities of our institute. Desire, Quality Education, Innovation, Excellence and Dedication are 'Panchsutras' of the institute. All efforts will be directed to make overall development of students to face challenges of corporate world, industries and nation.

Our basic objective is to impart quality education. The institute is incorporated with all requisite laboratories, classrooms, workshop, seminar hall, computer center, library with latest equipments and software, national – international journal and e-library.We have a team of dynamic, talented and devoted teachers to help the students to bring the best out of them. We are also implementing soft skill and personality development programs to make our students more confident and competent.

Once again I ensure of excellent technical education in the best possible way.

The pollution free aesthetically developed campus with it's greenery is an ideal place for learning which you will certainly enjoy.

DIPLOMA COURSES :

Civil Engineering Intake - 30

Computer Engineering Intake - 30

UG COURSES:

Civil Engineering Intake - 60

Computer Engineering Intake - 60

Electronics & Telecommunication Engineering Intake - 60

Mechanical Engineering Intake – 60

Artificial intelligence and data science Intake - 60

ABOUT US

Vision of Institute:

"तेजोऽसी तेजो मे देही "

To ignite the brilliance within students, fostering technical excellence and holistic development to meet global competencies.

Mission of Institute:

- To impart quality education through effective teaching learning methodologies.
- To inculcate positive attitude and moral values amongst future technocrats.
- To promote excellence by encouraging creativity, critical thinking and discipline.
- To inculcate sensitivity toward society and a respect for the environment.

ABOUT US

About I2ST

The institute is taking the initiative for students (Diploma and Degree) Academician and Researchers by organizing seminars, focused short-term training programs and conferences every year. The institute organizes the conference to collaborate with researchers and to provide the opportunity to present their valuable work. it also offers a world-class interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns as well as real-world difficulties they have faced and solutions chosen in the field of engineering and technology. I2ST - 2024 is a national-level Project, Paper & Technical Quiz competition for Degree, diploma and Science students. The event will be conducted on 04th & 05th Apr 2024.

The Conference invites papers in the following domains/tracks but is limited to:

Track I:

Information Technology, Computer Engg. /Science, AIML

Track II :

Electronics Engg./,Telecommunication Engg.,Automation & Robotic

Track III:

Mechanical Engineering, Civil Engg. , Chemical Engg.

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TRACK I: Information Technology, Computer Engg. /Science, AIML

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TRACK II: Electronics Engg./,Telecommunication Engg.,Automation & Robotic

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TRACK III: Mechanical Engineering, Civil Engg., Chemical Engg.

TRACK I: Information Technology, Computer Engg. /Science, AIML

A-01: IOT Based Waste Segregation Using Deep Learning

Gayatri Ajabe1, Sayali Kadus 2, Vaishnavi Shinde3, Atharv Dahale4, Prof. Nita Gade5
Student1, 2,3,4, Assistant Professor5
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract:- In the realm of waste management, traditional methods often fall short in efficiently sorting and segregating waste. To address this challenge, we propose an innovative solution that harnesses the power of IoT devices and deep learning Convolutional Neural Networks (CNN) algorithm. Our project aims to revolutionize waste segregation by integrating cameras at waste collection points, which capture images of deposited waste. The system utilizes a CNN model trained using Deep Learning to classify waste items into different categories, ensuring proper segregation. When a bin reaches its full capacity, the IoT sensors trigger an alert mechanism, sending real-time notifications to the concerned authorities or waste management personnel. This proactive approach not only optimizes waste collection but also promotes recycling by ensuring the segregated waste reaches the appropriate recycling facilities. The integration of IoT devices and deep learning algorithms enhances the efficiency of waste management processes, reducing environmental pollution and promoting a sustainable future.

A-02: Hommie:Conversational AI Assistant

Vrushali Khandave1, Mohini Karale2, Khushbu Sharma3, Rohan Raikwad4,
Student1, 2,3,4
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - Conversational AI assistants have witnessed remarkable progress in recent years, transforming human-computer interaction across a spectrum of applications. This paper offers a comprehensive overview of the state-of-the-art techniques, methodologies, and challenges in the field. We examine the core components of conversational AI, including natural language understanding, dialogue management, and response generation. Additionally, we address key challenges such as context modeling, personalization, and ethical considerations. The paper serves as a roadmap for researchers and developers, highlighting current achievements and avenues for future advancements in the dynamic domain of conversational AI.

Keywords -Conversational AI, NLP, Assistant, Machine Learning, Chatbot

A-03: Virtual Mouse using eye gesture and voice commands for handicapped

Akanksha Andhale1, Gayatri Hilgude 2, Sushmita Kshetre 3, Pramila Pokale,
Student1, 2,3,4
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - This paper proposes a model Virtual Mouse Control System (VMCS) designed to empower individuals with disabilities, particularly those with limited motor functions, by enabling them to interact with computers using eye gestures and voice commands. This research paper proposes a Gesture Controlled Virtual Mouse system that enables human- computer interaction using hand gestures and voice commands. The system requires no direct contact with the computer and allows for virtual control of all input/output operations. The system employs Computer Vision algorithms to recognize eye gestures and voice commands, without the need for additional hardware. The system comprises two modules, one that works directly on eye gestures and another that uses voice commands.

A-04: Plant disease detection application using Deep learning

Aditya Kadam1, Yash Nimbalkar 2, Hareshwar Avhad, 3, Sarthak Mete4,
Student1, 2,3, 4
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - Utilizing deep learning techniques for plant disease detection has emerged as a promising solution to mitigate agricultural losses caused by diseases. This abstract introduces an innovative application employing deep learning for automated plant disease identification. By leveraging convolutional neural networks (CNNs), this system analyzes images of plant leaves to accurately identify disease symptoms. The model's architecture incorporates layers capable of learning intricate patterns and features indicative of various diseases, enabling robust classification performance. Through extensive training on diverse datasets, the system achieves high accuracy rates, surpassing traditional methods. The proposed application offers a user-friendly interface, allowing farmers and agronomists to easily upload images for real-time diagnosis. Implementation of this technology facilitates early disease detection, enabling timely intervention strategies and enhancing crop yield and quality. This abstract underscore the significance of deep learning in revolutionizing agricultural practices, emphasizing its role in advancing precision farming and ensuring global food secure.

A-05: Trustworthy E-KYC Systems using Blockchain

Suryakant Auti1, Kshitij Bhondave2, Namodevi Gore 3, Gitanjali Bhoge,4, Prof. Neeta Gade5
Student1, 2,3, 4 Assistant Professor 5
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - In today's world, Leveraging technological advancements, such as digital identity verification and biometric authentication, has streamlined and modernized KYC processes. These innovations not only enhance efficiency but also contribute to a more userfriendly experience for customers. In this contemporary landscape, staying informed about evolving regulations and industry-specific practices is indispensable for effective KYC implementation. Financial institutions must continuously adapt to the changing regulatory environment and leverage technological solutions to maintain the integrity of their KYC processes. This proactive approach is crucial not only for compliance but also for building trust between customers and stakeholders in an era where financial security and transparency are paramount. KYC procedures have been simplified and brought up to date by utilizing technology innovations like biometric authentication and digital identity verification. These advancements contribute to a more user-friendly experience for customers in addition to increasing efficiency. Keeping up with changing laws and sector-specific procedures is essential for implementing KYC successfully in the modern world. It is imperative for financial institutions to consistently adjust to the dynamic regulatory landscape and utilize technological advancements to uphold the integrity of their KYC procedures. This proactive strategy is essential for both compliance and fostering stakeholder and customer trust in a time when financial stability and openness are critical.

Keywords – *KYC, blockchain, etherium, encryption, compression*

A-06: Solar Panel Fault Detection System

Samarth Patil1, Manish Jadhav 2, Pranjal Kharat3, Gayatri Chaudhari4, Prof.V.V. Jagtap
Student1, 2,3, 4 Assistant Professor 5
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - The fastest-growing source of clean, sustainable energy, solar energy outperforms all other types of energy production. Solar panels typically require little upkeep and do not need ongoing maintenance. Numerous issues, however, might cause a production loss of up to 20 percent because a faulty panel can affect the generation of the entire array. The cost of repairs will be lower if the power plant is properly maintained on time, but more importantly, it will last longer and provide more electricity overall. Large solar plantations require expensive and time-consuming manual panel monitoring, and it is more difficult for people to get to remote solar plantations. In this article, deep learning-based methods for detecting faults in photovoltaic systems are presented utilizing thermal images from an unmanned aerial vehicle (UAV) equipped with infrared sensors. The software which will be produced as an output of this research and work will be able to detect solar panel faults internally accurately and will be able to predict the amount of solar energy produced as a result of these defects using the voltage and current values which have been observed previously. In future scope, this software may also be able identify faults from images of solar panels.

Keywords : *Solar Panel Fault Detection, Deep Learning, Artificial Neural Network, Pre-processing, Maximum Power Output, Photovoltaic-cells.*

A-07: E-voting System Using Blockchain

Ram danave1, Aniket Dalvi 2, Pratik bansode 3, Sudam Ghavte4, Prof. Neeta Gade5
Student1, 2,3, 4 Assistant Professor 5
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - Web-based online voting is a trend that is gaining momentum in modern society. It has great potential to decrease organisational costs and increase voter turnout. It eliminates the need to print ballot papers or open polling stations, voters can vote from wherever there is an Internet connection. Despite these benefits, online voting solutions are viewed with a great deal of caution because they introduce new threats. A single vulnerability can lead to large-scale manipulations of votes. Electronic voting systems must be legitimate, accurate, safe, and convenient when used for elections. Nonetheless, adoption may be limited by potential problems associated with electronic voting systems. Blockchain technology came into the ground to overcome these issues and offers decentralized nodes for electronic voting and is used to produce electronic voting systems mainly because of their end-to-end verification advantages. This technology is a beautiful replacement for traditional electronic voting solutions with distributed, non-repudiation, and security protection characteristics. The most often mentioned issues in blockchain applications are privacy protection and transaction speed. For a sustainable blockchain-based electronic voting system, the security of remote participation must be viable, and for scalability, transaction speed must be addressed.

Keywords: *e-Voting, Secure, Blockchain, Decentralized, Encryption, Consensus, Peer-to-Peer, Wallets, Smart contracts, Ethereum.*

A-08: Helmet detection and number plate recognition using machine learning

Anushka sudake1Tushar parjane2 Akanksha waman 3Shubham Dahibhate 4 Prof. S.P.Rachcha 5
Student1, 2,3, 4 Assistant Professor 5
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - Developing countries always relied on motorcycles and transportation but unfortunately,number of motorcycle accidents and deaths increasing recent years. This happens because of the lack of helmet usage by motorcyclists. To ensure that motorcyclists wearhelmets, traditional methods include manual monitoring by traffic police at intersections or the use of CCTV footage to identify those not wearing a helmet. However, these method require efforts .This system purpose an automated approach to identify non helmetedmotorcyclists and fetch their license plate from the from the CCTV footage. This system first differentiates movingobjects as motorcycle or non motorcycle. The system identifies motorcyclist weather wearing helmet or not, thesystem extracts the license plate number using OCR algorithm.

A-09: Smart Management of EV Charging Stations Using G Maps and API

Aditya Mete1 Sujit Kawade 2 Dnyaneshwar Kharade3 Vaishnavi Mote4 Prof. S.R.Pawar5
Student1, 2,3, 4 Assistant Professor 5
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract -. In recent such years, automobile manufacturers such as TATA and TESLA have launched new electric vehicles in the market. These vehicles need charging, and as a result, electric car charging stations have been established. However, the current situation presents challenges, as these cars typically take time to charging 15 to 1 hour time to full charge. In this type of cases where the charging stations are full occupied, customers often they have longer waited time to charge their vehicles. To overcome this issue, we are developing a system that they are connect all electric car charging stations, and anyone using this system for the book their slot to their needs. This system is too much valuable for those planning long-distance trips or rides with their electric vehicles, as it saves both time and effort in their trips. User interaction with the system is designed to be straightforward: if a chosen time slot is available, a reservation is confirmed; otherwise, the system prompts users to select an alternative time. A percentage of the booking amount is paid online to secure the reservation. In addition, the system provides users with the shortest map route to reach their selected station. Charging station operators will also have access to an interface that displays available and booked slots, allowing them to manage slot timing effectively.

Keywords: *Smart EV management, charging slot, EV Cars, smart charging. Availability of charging stations. Charging*

A-10: Smart Receptionist Through Facial Recognition With Deep Learning

Pawar Chaitanya1, Gaikwad Krishna2, Kumbhakhele Amit3, Lodhe Shripad4
Student1, 2,3, 4
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - In today's rapidly evolving technological landscape, the integration of advanced technologies like facial recognition and voice interaction is revolutionizing various industries. This abstract provides an overview of a cutting-edge solution: the "Smart Receptionist." This innovative system leverages facial recognition and voice interaction technologies to enhance the receptionist's role and efficiency in various organizations. Facial recognition technology is at the forefront of identity verification and access control. The Smart Receptionist system employs advanced facial recognition algorithms to accurately identify individuals upon their arrival at an organization's premises. By linking facial recognition data to an organization's database, the system can efficiently verify appointments and provide a seamless check-in process. Voice interaction, facilitated through natural language processing and artificial intelligence, is another integral component of the Smart Receptionist system. It allows visitors and employees to interact with the receptionist virtually, making inquiries, scheduling appointments, and receiving real-time information. The system is capable of understanding and responding to spoken commands in a human-like manner, enhancing user experience and reducing wait times .

Keywords: *Facial Recognition , Deep Learning , Voice Interaction .*

A-11: Smart Plate Access Control

Vinay Kumar Pandey1, Prachi Bhausahab Katkar 2, Janhavi Dhiraj Hirwe3
Student1, 2,3
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - "Smart Plate Access Control" is a transformative project poised to redefine access management and bolster security across society. This innovative system leverages machine learning and IoT technology for real-time number plate recognition, ensuring only authorized vehicles access secure locations. By seamlessly integrating machine learning, IoT, and database management, it enhances efficiency and security in access control. This innovation promises safer, streamlined access, addressing evolving security challenges. Benefits include heightened security, reduced unauthorized access, improved traffic flow, and decreased administrative overhead. "Smart Plate Access Control" represents more than a technological leap; it's a societal boon, fostering safer, accessible shared spaces for all.

A-12: Virtual Mouse

Shaikh Afjal1, , Dhumal Yadnesh 2, , Shaikh Gulfam 3, Marathe Prasad4
Student1, 2,3,4
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - A virtual mouse is a software-based emulation of a physical computer mouse, designed to provide users with a convenient and intuitive way to interact with their digital devices. This innovative technology eliminates the need for a physical mouse, allowing users to control their computers or other devices using gestures, touchscreens, or other input methods. Virtual mice have become increasingly popular in touchscreen devices, virtual reality environments, and remote desktop applications, offering enhanced flexibility and accessibility in the digital realm. In this brief introduction, we will explore the various aspects and applications of virtual mice.
Keywords : RGB-D Images, Fingertip detection and tracking, Fingertip-gesture–based interface, Human-Computer-Interaction(HCI)

A-13: An analytical review of deep Learning-based Pothole detection System

Gaurav Nawale1, Shubhangi Ghongade2,Sukeshini Chemate3, Prof.Shraddha Rachcha4
Student1, 2,3 Assistant professor4
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - The quality of the roads that automobiles are driven on is essential to ensuring that every vehicle, manual or automatic, can complete its journey satisfactorily. Road defects such as potholes and speed bumps can lead to car wear and even fatal traffic accidents. As a result, recognizing and characterizing these anomalies helps to reduce the likelihood of crashes and vehicle damage. The identification of street abnormalities is made more difficult by the fact that street pictures are intrinsically multivariate because of significant amounts of duplicated data and heavily contaminated measurement noise. This study offers the automatic color image processing of potholes on highways using a YOLO Deep learning model, either from the video frames or from photos taken with a smartphone camera. Lightweight architecture was chosen to facilitate training and usage more quickly. This is composed of seven properly coordinated and interconnected layers. Every pixel in the original image is used, no resizing involved. We used the conventional stride and pooling procedures to get as much data as we could. This enhances the developed model's capability to identify potholes and alert drivers to the need for cautious driving. In order to accomplish this, the suggested approach examines past research to compile crucial data for pothole detection.

A-14: Enhancing Accessibility for the Visually Impaired: Real-time Object Detection with Speech Output

Ashwin Udmale 1,Vaibhav Wandhekar 2, Abhishek Vyapari 3,Bhushan Gunjal4, Prof.Shraddha Rachcha5
Student1, 2,3,4 Assistant Professor5
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Maharashtra, (414 001), India

Abstract - The visually impaired community faces unique challenges in perceiving and interacting with the physical world, relying heavily on touch and auditory cues for navigation. This paper presents a novel solution that harnesses the power of deep learning for real-time object detection and speech synthesis to bridge the accessibility gap for the blind. Our system captures and processes images from a camera, identifies objects within the images, and conveys the results audibly to the user. By providing auditory feedback, this technology enhances the user's awareness of their surroundings, enabling them to independently navigate, shop, use public transportation, and gain environmental awareness. We explore the architecture, design, and methodologies of the system, underscoring its potential to transform the lives of visually impaired individuals and foster inclusivity. This research not only serves as a critical step towards a more accessible and inclusive world but also highlights the power of technology to empower and improve the quality of life for those with visual impairments.

A-15: Multi classifier fire and smoke detection system

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Abstract – Across the world, there has been a noticeable increase in the occurrence of fires and fire-related disasters. Globally, the frequency of wildfires has surged, and statistics reveal that these wildfires have grown more intense and deadly in recent decades. The rising risk worldwide necessitates the implementation of an effective fire mitigation strategy to combat these phenomena. The first crucial step in prevention and intervention is the prompt and accurate identification of wildfires. Therefore, there is a pressing need for a highly precise and reliable fire identification mechanism. Traditional methods for fire identification heavily rely on complex electronics, which are inefficient and often prone to identification uncertainties. This review provides an overview of efficient approaches to fire identification that have been employed in the past. These techniques have been thoroughly examined to inform our research design, which incorporates Convolutional Neural Networks and Fuzzy Logic.

A-16: Conversational voice control news app

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Abstract – Newspapers have been providing us with events and knowledge nonstop for the past four centuries or so. Many creative ideas have led to more modern methods of transmitting news and information about various points of view. Since the creation of technical advances such as artificial intelligence (AI), researchers and developers have endeavored to integrate AI into several disciplines. This logical analysis seeks to improve the readability and enjoyment of news articles by utilizing the ALAN voice assistant. Because the online application is so user-friendly, the customer may inquire about news on any topic of interest by only speaking. The customer may get news through several categories, including business, sports, and more, as well as through reputable news channels.

A-17: Building a Dynamic Real Estate Website

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Abstract - In the rapidly evolving landscape of the real estate industry, the integration of digital technologies has become increasingly crucial to meet the dynamic needs of property buyers and sellers. This paper presents a comprehensive combination of HTML, CSS, JavaScript, PHP, and MySQL. The primary objective of the website is to create a user-friendly platform that goes beyond traditional property listings, offering enhanced functionality, seamless transactions, and improved communication channels between users. Key features such as intuitive property search, secure transaction processing, and seamless communication tools are examined in detail, highlighting their contributions to enhancing user satisfaction and driving efficiency in the real estate ecosystem. This research not only showcases the technical details of the implemented solution but also provides valuable insights into the transformative potential of technology in shaping the future of real estate transactions.

Keywords— *Real Estate website, Web application, Frontend, Backend.*

A-18: IOT Surveillance Robot

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Abstract - Surveillance, a rapidly expanding field, finds applications in crowd monitoring, wildlife research, and agrarian monitoring, among others. Drawing inspiration from these domains, this research focuses on developing a mobile robot equipped for surveillance tasks. The paper primarily addresses the control movement and data streaming system within the robot. A key feature of the robot is its remote piloting capability via a user-friendly web-based interface. This allows operators to command the robot's movements from a distance, enhancing its adaptability to various surveillance scenarios. The robot is also equipped with a real-time camera system for capturing footage, which is then encoded and streamed to a server for storage. Future enhancements may include object recognition capabilities for advanced data processing. In addition to outlining the robot's functionalities, the paper sets the stage for future research by proposing innovative design concepts. Collaborative efforts in this domain hold promise for advancing surveillance technology, ultimately contributing to safer and more efficient monitoring practices.

Keywords—*Surveillance, mobile robot, remote control, image capture*

A-19: Smart Trolley and Billing System

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Abstract - The goal of this project is to improve and enhance the present supermarket cart-based sell and purchase procedure such that it is faster and more effective for both the seller and the customer. Customers now have to wait in lengthy lines at the payment counter during peak hours at their neighbourhood grocery store, standing and waiting for extended periods of time. Customers have found this to be quite problematic, particularly the elderly, people with health concerns, people in a haste, and people who are carrying little children. An RFID scanning system device was mounted to a grocery cart in order to address this issue. This product is entirely made to speed up the purchasing and payment processes for customers, so cutting down on the amount of time they must customers in front of the payment counter. This study includes a feasibility study, which aims to be an initial assessment of the data to see whether it merits moving further to the analysis stage. Furthermore, Laragon, Node.js, and the Arduino IDE were used to design the system programming. Next, Autodesk Inventor Professional 2019 software was used to create the gadget housing. Regarding its system, it is divided into two sections: one for customers and the other for retailers. The experiment's findings demonstrated how RFID grocery carts shorten customers' shopping and payment processes. Additionally, there are some suggestions for future plans to improve this product. One of them is to make the device more user-friendly, particularly for the elderly.

A-20: AI Healthcare Chatbot

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Abstract - Healthcare is very important in our day-to-day lives. It is very important to take proper precautions and medicines to protect your health as early as possible before it gets serious. It is not possible that the doctors are available 24 hours a day to assist and guide the patient. The virtual clinic doctor was available 24 hours a day to assist patients and guide them on how to recover from the symptoms they were facing. The main aim of making this Al healthcare chatbot is to assist and guide more than one patient at a time and reduce the cost and time for patients.

A-21: Gaming Website

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Abstract - Gaming website is digital platform for gamers . Gaming Website is the need of today's gaming industry. Gaming website helps to gamers for free download of games which are available in all over the world. You can download that games for free of cost form our website. Our website can help gamers to not only download the games for free of cost but also , gamers can get articles and all information about the E sports compitition which can be organized from all over the world. An online platform that meets the demands and interests of gamers everywhere is called a gaming website. It acts as a virtual center where players may get access to a variety of video game-related resources and content. Numerous features are available on these websites, such as guides, forums, previews, news updates, game reviews, and community interaction. A gaming website's main goal is to give players the most recent information possible on the gaming business, including news, updates, and trends regarding new game releases. Gamers may choose which games to play and buy by reading thorough reviews of the games. Users are kept up to date on the newest announcements, events, and developments in the gaming industry through news sections.

Keywords: *Games, Video games, Game reviews , Game news , Game guides , Multiplayer games ,Gaming community, Game downloads, Game updates, Game releases, Game trailers*

A-21: Stories for Kids

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Abstract - Boosts speaking and listening skills play a vital role in the growth and development of children

Keywords: *story*

A-23: FRIDAY Personal AI Companion

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Abstract - The integration of voice-based artificial intelligence (AI) has gained popularity in modern technology, facilitating seamless communication between people and computers/devices. With their many capabilities and ability to respond to spoken requests, voice assistants have evolved into indispensable tools. In a manner akin to contemporary voice assistants like Google Assistant and Amazon Alexa, this research paper presents FRIDAY, a voice-controlled personal assistant designed to improve user experience. FRIDAY highlights the convergence of modern technology and user-centric design, with several features designed to streamline daily tasks. The purpose of this study is to offer a comprehensive analysis of the features, architecture, and impact of FRIDAY on user engagement. Like other voice assistants, FRIDAY uses natural language processing to perform a range of functions, including information retrieval and web browsing. Its design transcends standard AI applications by incorporating attributes like kindness, tranquillity, and friendliness. The end result is a digital companion that is aware of the user's emotional state. This study offers valuable insights on how the field of voice[1]based artificial intelligence is evolving as we examine the inner workings of Friday's development. We intend to emphasize the significance of FRIDAY in developing the next generation of voice-activated personal assistants by examining the underlying technology and highlighting parallels with significant corporations. This study sheds light on the prospects and difficulties of developing intelligent companions for a voice[1]enabled future, in addition to broadening the discussion on AI integration.

Keywords: *Desktop Assistant, Python, Text to Speech, Voice Recognition, Artificial Intelligence, Virtual Assistant.*

A-24: Pharmaceutical Data Optimization Using Quantum Machine Learning

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Abstract - Cloud Transcribe Medical allows you to accurately transcribes medical terminologies such as medicine names, procedures, and even conditions or diseases. Cloud Transcribe Medical can serve a diverse range of use cases, from transcribing physician-patient conversations that enhance clinical documentation, to capturing phone calls in pharma covigilance, or even subtitling telemedicine consultations. Cloud Transcribe Medical service uses a deep learning process called automatic speech recognition (ASR), provided by Amazon Web Services. AI content generator tools have emerged as a powerful solution to help individuals and businesses streamline content creation processes. Using AI content creation tools can help you create engaging content in a fraction of the time - provided it's created with subject matter oversight. A reliable AI tool is a must, no matter what industry you're in. The AI text generator optimizes your article in Surfer's Content Editor, where you can see the content score and which secondary and related keywords your content covers. AI-generated articles are SEO optimized to help you rank and increase online visibility.

A-25: Face Recognition Based On Real-time Attendance Management System

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Abstract - In this digital era, face recognition system plays a important role in almost every sector. Face recognition is one of the used for biometric. This project can identify many students simultaneously and taking attendance without having to make direct contact. It can used for security, authentication, and identification of student. We proposed attend face, a independent system to analyse, track and grant attendance in real time using face recognition. In that system using snapshot of class from live camera feed, the system identifies student and marks them as present in the class based on their presence in multiple snapshots taken throughout the class duration. This system consist of four phases, database creation, face detection, face recognition, attendance updation, Database is created by image of the student in class. Face detection and recognition is performed using CNN, PCA algorithm respectively. Faces are detected and recognized from live streaming video of the classroom. The system is fully automatic and requires no professor interfere or any form of manual attendance, since the backend directly interface with in class cameras.

Keywords--*CNN, PCA, Face Detection, Face Recognition, PCA, Real-Time Attendance*

A-26: Telecom Customer Churn Prediction Along with Recommendation system

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Abstract - In the intensely competitive and ever-changing telecommunications business, Telecom churn forecasting is a critical task for telecom service providers in order to retain customers and grow revenue. The process of identifying clients who are most likely to transfer telecom providers is known as "churn prediction." Consumers may leave for a variety of reasons, the most common of which is dissatisfaction with the companies' offers. Telecom churn prediction systems leverage modern machine learning Algorithms and data analytics approaches to deliver highly accurate forecasts regarding customer attrition. One of the key aspects is the use of past client data, such as call logs, usage trends, and consumer demographics. Classifier performance is evaluated using confusion matrix, precision, recall, F1-Score and ROC curve. Logistic Regression performs well over other classifiers while predicting churners.

Keywords— *Telecom Churn Prediction, Machine Learning, Customers Attrition, Logistic Regression*

A-27: Abstractive Text Summarization Using Hugging Face Transformer

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Abstract - In this paper, we present a blueprint for developing an advanced abstractive text summarization web application using Python, Flask, and Hugging Face models. The research delves into the challenges and methodologies of text summarization, leveraging Python's ecosystem, Flask's flexibility, and Hugging Face's capabilities. The paper provides a step-by-step guide for crafting a sophisticated web app that distills complex text into concise summaries, offering insights for developers and researchers in natural language processing.

Keywords— *Web-based Abstractive text summarization, Python, Flask, Hugging Face Transformers, Natural language processing (NLP)*

TRACK II:Electronics Engg./,Telecommunication Engg.,Automation & Robotic

B-01: Collision Alert and GPS sending system

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Abstract - According to the world accident report. India has the very highest number of road accidents within the world. Road accidents have earned India a dubious distinction. With over 130,000 deaths annually, the country has overtaken China and now has the worst road traffic accident rate worldwide. As many as 1, 39, 091 people lost their lives in 4, 40.042 road accidents in the country last year. This mini project includes Arduino nano , 16 x2 lcd display , Neo 6 gps module , sim card for sending sms , electric buzzer , push button , 1 kelvin resistor , connector cabels (male & female) , bread board / Pcb board . In this project accelerometer detects the crash or an huge impact on the vehicle then it sends that information to arduino nano .Signals get transferred from arduino to electronic buzzer for playing beep noise some period. Then emergency number gets a call for having an accident of a car . In the massage app there in a sms giving information of magnitude of crash and GET GPS command gives the real time location of a vehicle to the emergency number holder person or company with in time span of 1minute for getting help in emergency . This project have an ability to make communication to the emergency number holder even their not an internet connection. This project does not use internet to communication.

B-02: Smart Energy Meter System

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Abstract - Communication technology development is increased day by day. Due to the development of communication technology, every product is manufactured with smart activities. From the past decade, most electric devices are executed automatically using the remote control. Internet of Things (IoT) is used to connect various devices easily with the help of sensors. All the connected devices are working automatically without any human interventions. The roles of human beings are only to manage and control the connected devices from a remote location. Electric meters also using the concept of IoT. This paper describes smart meter devices. This system's main purpose is to automatically read the number of current consumption units with LED light, calculate the amount, and display the messages to the user's website and user's smartphone. This system also issues the user's alert message when the current consumption unit crosses the limited level.

B-03: Accident Avoiding Bumper

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Abstract - A method of preventing an accident using a technology is called ultrasonic. This project is about making cars more intelligent and interactive which may notify or resist user under unacceptable conditions. This project focuses on building a user-friendly vehicle that specializes in detecting intrusions besides doing close range obstacle detection especially bumper in road. night when sudden bumper can be found in highway and driver cannot detect that due to darkness our proposed system initially generate a beep alarm which can make alert the driver for avoiding accident. Automobile safety can be improved by anticipating a crash before it occurs and thereby providing additional time to deploy safety technologies. Warnings can be like buzzer if the driver is approaching a pothole or any obstruction, driver may be warned in advanced regarding what the road entails. Not only that the speed of motor attached with wheel can be controlled automatically after detecting the bumper. Hence accident can be prevented during the happy journey. It will perform the function with the help of infrared sensors more specifically proximity sensor. The project's ultimate aim thus finalized as, one to build a general, easy-to-use and versatile system that can prevent fatal accidents.

B-04: Regular Band and Distance Matching Function are used to Detect Pattern Fabric Defects

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Abstract - The suggested work uses a distance matching function in conjunction with the regular band approach to detect patterned fabric defects. The regularity of patterned cloth is defined by the use of regular band. The modified distance matching function, which is used to determine the periodic distance of repeating units in patterned fabrics both horizontally and vertically, was developed in this study. Compared to previous methods, this approach provides more accuracy in detecting defects such holes, broken ends, thick and thin bars, multiple threading, and knots.

B-05: Arduino-Based Radar Detection System

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Abstract:- This abstract presents the development and implementation of a radar detection system utilizing Arduino microcontrollers. The system is designed to provide a cost-effective and adaptable solution for detecting and tracking moving objects in various scenarios. By integrating radar technology with Arduino boards, the system can accurately detect the presence and motion of objects within its detection range. Real-time data processing allows for applications such as traffic monitoring, security surveillance, and obstacle avoidance systems. The flexibility of Arduino enables easy customization and integration with other sensors, enhancing the system's functionality. Moreover, the compact size and low-cost components make this radar detection system suitable for both educational purposes and practical deployments. Through rigorous testing and validation, the effectiveness and reliability of the Arduino-based radar detection system are demonstrated, highlighting its potential for diverse real-world applications.
Keywords: *arduinio, detection, educational, microcontroller*

B-06: Exploring the Spectrum of Packet Classification: A Review of Algorithms

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Abstract - Packet classification is a critical function in networking equipment, facilitating the organization of packets into flows by evaluating their headers against a set of rules. The assignment of packets to a specific flow is determined by the rule that is successfully matched during this process. The priority of a packet is dictated by its flow and the manner in which it is processed. This task is particularly challenging as it necessitates the processing of all packets at wire speed, and rulesets can be extensive, often containing tens of thousands of rules.The primary objective of packet classification is to achieve optimal classification times, minimizing power consumption in network elements and reducing memory usage. This optimization not only enhances the efficiency of packet processing but also contributes to improved security by reducing the worst-case processing time during classification. Various techniques have been employed to address these challenges. One common strategy involves defining pre-established rules for all packets belonging to the same flow, ensuring that they undergo similar processing by the router. Various algorithms have been suggested for packet classification, falling into several overarching categories, including basic data structures, search algorithms, geometric algorithms, heuristic algorithms, and hardware-specific algorithms. This paper conducts a comprehensive review of diverse packet classification algorithms within the mentioned categories
Keywords: *Best effort, firewalls, QoS, traffic*

B-07: Time Based smart drip irrigation system.

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Abstract - The demand for electrical energy is increasing. Today over 21% of the total electrical energy generated in India is lost in transmission (4-6%) and distribution (15-18%). The electrical power deficit is currently about 18% in the country. Clearly, reduction in distribution losses can reduce this deficit by significantly. Its possibility to bring down the distribution losses to a 6-8% level in India with the help of newer technological option (including information technology) in the electrical power distribution sector which will enable better monitoring and control. The project "Electricity and load are shedding monitoring" is designed such that distribution point or grids monitored and load shedding from one central location.

B-08: Advanced Solar Irrigation System with wireless

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Abstract - This paper presents the design and the implementation of a smart irrigation system supplied from solar energy using off-shelf components as part of a senior design project Introducing smart irrigation technology enhances the effectiveness of water utilization and will help farmers make their activities more beneficial. In addition, it is to increase the agriculture sustainability in common and considering the characteristics of irrigation in the rural areas. This paper brings forward new device based on wireless networks such as solar photovoltaic technology, Arduino-based controllers, transmitters, receivers, and sensor nodes are used to measure soil moisture, humidity, temperature, and the sensor readings are transmitted to a remote station. Experimental results indicated that the developed system could provide a sustainable solution to enhance the efficiency of water use and to preserve it in the agricultural fields while using solar photovoltaic energy as a renewable power supply.

B-09: Exploring the Future trends in Semiconductor Manufacturing

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Abstract - The semiconductor industry continues to evolve at a rapid pace, driven by technological advancements and market demands. This abstract delves into emerging trends that are poised to shape the future of semiconductor manufacturing. From the rise of advanced materials and processes to the integration of artificial intelligence and the Internet of Things (loT), this paper examines key developments that are revolutionizing the fabrication of semiconductor devices. Furthermore, it explores the impact of these trends on various industries, including automotive, healthcare, and consumer electronics, highlighting the transformative potential of semiconductor innovations. By gaining insights into these future trends, stakeholders can anticipate challenges and opportunities in the dynamic landscape of semiconductor manufacturing.

TRACK III: Mechanical Engineering, Civil Engg. , Chemical Engg.

C-01: Constructed Wetlands

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Abstract - Wetlands, either constructed or natural, offer a cheaper and low-cost alternative technology for wastewater treatment. A constructed wetland system that is specifically engineered for water quality improvement as a primary purpose is termed as a 'Constructed Wetland Treatment System' (CWTS). In the past, many such systems were constructed to treat low volumes of wastewater loaded with easily degradable organic matter for isolated populations in urban areas. However, widespread demand for improved receiving water quality, and water reclamation and reuse is currently the driving force for the implementation of CWTS all over the world. The ability of wetlands to transform and store organic matter and nutrients has resulted in a widespread use of wetland for wastewater treatment worldwide. A "constructed wetland" is defined as a wetland specifically constructed for the purpose of pollution control and waste management, at a location other than existing natural wetlands. Wetlands can be used for primary, secondary, and tertiary treatments of domestic wastewater, storm wastewater, combined sewer overflows (CSF), overland runoff, and industrial wastewater such as landfill leachate and petrochemical industrialwastewater. Wetlands are defined as land where the water surface is near the ground surface long enough each year to maintain saturated soil conditions, along with the related vegetation. Marshes, bogs, and swamps are all examples of naturally occurring wetlands.

C-02: Partially Replacement of Waste Tyre Crumb Rubber With Fine Aggregate

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Abstract - Worldwide production of tyre increases due to increase of automotive industry. It is very difficult to dispose the waste tyre as the availability and capacity of landfill spaces decreases. The basis material required in construction of buildings by using concrete are aggregate and cement. The objective of this study is to introduce crumb rubber , in various proportions which is replaced by sand content used in concrete mix. For the improvement of compressive strength varying percentage of glass fiber to the weight of cement. The main goal of this research is to find means to dispose of the crumb rubber by placement of the rubber in Portland cement concrete mix and still provide a final product with good engineering properties. In this, report , the performance of waste materials crumb rubber as partial replacement for fine aggregates in M25 grade of concrete mix ad different percentage and its effect on concrete properties like impact strength and toughness are studied. The Waste tyre crumbrubber particles of sizepassing through 4.75 mm IS sieve and retaining on 2.36 mm IS sieve as R1 and waste tyre crumb rubber of size passing 4.75mm IS sieve and mix in 5%,10%and 15% in concrete result indicated that replacement of waste tyre crumb rubber particles to the fine aggregate in concrete at ratios there is no effect on the Mechanical properties concrete,considerable changes are observed as compare to similar normal concrete.

C-03: Sampling and grading analysis of micro plastic pollution in surface water and sediments of river

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Abstract - Microplastic pollution is harmful to surface water ecosystems. Microplastic, which are tiny plastic particles less than 5mm in size, can be found in rivers, lakes, and oceans. They pose a threat to aquatic life as they can be ingested by animals and can accumulate in the food chain. Additionally, micro plastics in water as well as sediment in river can transport harmful chemicals and pollutants, impacting water quality, toxic chemicals, habitat alteration reduced, water quality ingestion through food and water, respiratory exposure, chemical exposure. Efforts to reduce microplastic pollution and its consequences are crucial to protect surface water and aquatic ecosystems. We are using Grab Sampling in which collecting water samples at various locations using bottles or containers. These samples can be filtered to capture microplastic. We are analysing the collected samples from water and sediment by FTIIR (Fourier-transform infrared) method in which there is sample preparation, instrument calibration,spectroscopic measurements, data collection and data analysis.

C-04: Advancement in the Phytoremediation Treatment System

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Abstract -With current intensive agriculture practices and industrialization, pollution of natural resources like land and water with heavy metals, organic pollutants, radionuclides, pesticides, and fertilizers has become a major concern. Phytoremediation is a cost-effective and environmentally friendly technique that utilizes plants to immobilize, uptake, reduce toxicity, stabilize, or degrade the compounds that are released into the environment from different sources. Studies have shown that heavy metals, organic contaminants, radionuclides, antibiotics, and pesticides can be remediated using plants. Though phytoremediation has been practiced since decades, it is still an emerging technology. This review article summarizes existing information and synthesizes the recent findings on plant species suitable for use in phytoremediation through utilizing different mechanisms, aids that can enhance the efficiency of phytoremediation processes, and strengths and limitations that comes with the application of this technique. Diverse plants remediate different pollutants at different rates through one or multiple mechanisms. The limitations of phytoremediation can be overcome by using several aids including natural and chemical amendments, genetic engineering and natural microbial stimulation. Given the low-cost of phytoremediation compared to conventional technology and sustainability associated with plants and use of renewable energy, phytoremediation can be a reliable solution for a sustainable and economical remediation of soil and water from the organic and inorganic pollutants.

C-05: An Experimental study on papercrete bricks

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Abstract - The high demand of concrete creates a situation to think about creating a sustainable and economic concrete. One such solution was the evolution of papercrete which is sustainable, environment friendly and moreover cost effective. Papercrete is thus the mixture of cement, fine aggregates, paper-pulp and water. Papercrete has good fire resistance, thermal insulation and sound absorption properties. Many researches are being carried out globally on this concrete but it is yet to be acknowledged by Indian codes and practices. The present work is a modification for Papercrete to reduce water content and thereby improving the properties. The experimental results for compressive strength, water absorption and heating tests are included in this paper. Thus, an experimental study was carried out to investigate the potential use of papercrete as a low cost and environment friendly building material.

C-06: Utilizing Ceramic Dust Powder to Partially Substitute Cement: Enhancing Sustainability in Construction

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Abstract - This study explores the viability of utilizing ceramic waste powder and shattered tiles as partial replacements for Ordinary Portland Cement (OPC) in M-25 grade concrete, with replacement percentages ranging from 0%, 2.5%, 5%, 7.5%, and 10%. By focusing on compressive strength testing at intervals of 7, 21, and 28 days, we evaluate the mechanical properties of the concrete mixtures. The investigation aims to assess the feasibility of reducing reliance on traditional cement while minimizing waste accumulation and associated environmental hazards. Results indicate the potential benefits of incorporating ceramic waste materials in concrete production, offering avenues for sustainable development in the construction industry.

C-07: Eco-friendly Storage structure for grains with optimum use of bamboo cross section

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Abstract - Recently Bamboos are used to construct low-cost storage structures, due to easily availability and cost effectiveness. But storage structures constructed with bamboo have certain limitations, like low storage capacity, lesser life of structure and not that much efficient ventilation. Presently bamboos are used in such structure are generally entire circular section and half circular section and placed either exactly vertical or exactly horizontal in section for making various components like sides, bottom, roof, and partitions of onion storage structure. There is not too much attention given to selection of alternative cross-sectional shape of bamboo and secondly placing of such sections in various directions rather than exactly horizontal and vertical. By using different cross-sectional shapes of bamboos and placing it in various orientations, use can increase the storing capacity of such Bamboo storage structure, improve natural ventilation capacity, can prove eco-friendly, cost efficient and rural area sustainable alternative for rural areas by using limited available resources.This work focused on selecting various cross-sectional shapes of bamboos and selecting its various placing direction not only to improve storage capacity, but also improve natural ventilation capacity, by using same quantity of bamboos. Here concepts of applied Mechanics, i.e., Moment of Inertia, bending moment are used to improve overall capacity of conventional Bamboo storage structure. Instead of using whole round bamboo for construction of storage structure, it can be cut cross - section wise in two, three or four pieces and by orienting in proper direction we can increase storage capacity by using minimum bamboo. Here the principal of engineering mechanics is used to optimize the use bamboo to construct cost effective storage structure. This will not only give solution to Onion etc. storage problem, but also provide sufficient employment opportunities in rural area.

C-08: Partially replacement of fine aggregate with crush glass

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Abstract - Glass is widely used in our lives through manufactured products such as sheet glass, bottles, glassware, and vacuum tubing. Glass is an ideal material for recycling. The use of recycled glass helps in energy saving. The increasing awareness of glass recycling speeds up inspections on the use of waste glass with different forms in various fields. One of its significant contributions is to the construction field where the waste glass was reused for concrete production. The application of glass in architectural concrete still needs improvement. Laboratory experiments were conducted to further explore the use of waste glass as coarse and fine aggregates for both ASR (AlkaliSilica-Reaction) alleviation as well as the decorative purpose in concrete. The recycling of waste glass as a component in concrete makes waste glass a sustainable alternative to land filling and so makes it economically viable. Concrete industry is one of the largest consumers of natural resources due to which sustainability of concrete industry is under threat. The environmental and economic concern is the biggest challenge concrete industry is facing. In this paper, the issues of environmental and economic concern are addressed by the use of waste glass as partial replacement of fine aggregates in concrete. Fine aggregates were replaced by crushed waste glass as 10%, 20%, and 30% by weight for M20mix. The concrete specimens were tested for compressive strength at 7 and 28 days of age and the results obtained were compared with those of normal concrete. Waste glass when grounded to a very fine powder shows some pozzolanic properties as it contains high SiO 2 and therefore to some extent replaces the cement and contributes for strength development.

C-09: Friction less braking system

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Abstract - Most of braking system run on the principle that release of kinetic energy to the heat energy. This is the method which has its own disadvantages and must be replaced with more efficient braking system that i respond quickly, doesn't heat and also maintenance free in this project, a frictionless braking system is proposed using eddy current phenomenon. This phenomenon is administrated by faraday's law of electromagnetic induction and lenz' law. Eddy current is generated by the relative motion between a metal, alloy conductor and a magnet. The current induces magnetic fields in the conductor which opposes the actual magnetic field of the magnet and results in the deceleration of motion (lenz law). The constant magnetic field is the easiest design to implement. The mechanism which implements this phenomenon in evolving braking system. This braking system is frictionless, hence it's advantageous over conventional friction brakes in terms of performance and maintenance. The proposed system is implemented in rear wheel of vehicles.

C-10: Design, Development & Analysis of Elliptical Leaf Spring Mount Vibration Isolation

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Abstract - The vibrations produced by engines in agricultural machinery can result in audible noise and discomfort for operators, leading to reduced efficiency and increased fatigue. It is crucial to address these vibrations to enhance operator comfort and productivity. 'Hand-arm vibration (HAV)' is a common issue transmitted from machinery into the operator's hands, particularly when using hand-held tools or equipment. Prolonged exposure to HAV can result in permanent adverse effects, which are more likely when such exposure is a significant part of a person's job. This exposure can lead to conditions like 'hand-arm vibration syndrome (HAVS)', as well as specific ailments such as white finger and carpal tunnel syndrome. The adverse effects of HAV include circulatory and neural impacts in the hand, manifesting as numbness, pain, and skin discoloration. Addressing these issues is essential for the well-being and comfort of agricultural machinery operators.

C-11: Solar power operated sugar cane lifting machine

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Abstract - This paper presents the design, fabrication, and testing of a solar power operated sugar cane lifting machine. The machine consists of a solar panel, a battery, a motor, a gearbox, a cutter, and a lifter. The solar panel converts the solar energy into electrical energy, which is stored in the battery. The battery supplies the power to the motor, which drives the gearbox. The gearbox transfers the torque and speed to the cutter, which cuts the sugarcane stalks at the base. The lifter then lifts the cut sugarcane and places it on a cart or a conveyor belt. The machine aims to reduce the manual labor, increase the efficiency, and improve the safety of sugarcane harvesting. The paper describes the working principle, components, specifications, calculations, and performance evaluation of the machine. The results show that the machine can harvest about 1.5 tons of sugarcane per hour, with an average power consumption of 0.8 kW. The paper also discusses the advantages, disadvantages, challenges, and future scope of the machine.

C-12: Design & Optimization of Relation Gauge for TVS Handle Holder

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Abstract - Gauges are tools that measure the size, shape, and relative positions of various parts but lack graduated adjustable elements. Gauges are interchangeable and serve a crucial part in any volume manufacturing system. Gauges are single-size, fixed-type measuring instruments. This effort concentrates on item inspection. A relationship gauge is a gauge with an inner measuring surface used to determine the male portion's size and counter. The gauge is designed in compliance with standards that ensure the dimensions are precise. Gauges are extensively used in the industrial industry to inspect dimensions during mass production. It greatly decreases the time required validating product authenticity within defined dimensional tolerances. The gauges are designed to replace the frequent use of expensive measurement devices. In this study CATIA software is used for the design. The distribution of stress intensity has been found using the Von-mises yield principle. The proposed model outperforms the existing gauges in the term of result
Keywords: *Design, CATIA ,Inspection, Manufacture, Relation Gauge.*

C-13: Design, Analysis & Optimization of Material Handling Trolley.

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Abstract - Trolley is mostly used in industries to carry product with safety but most of the trolleys are made by vender with ISO standard dimensions with lot of factors of safety. The purpose of this work is to develop the material handling trolleys using Theoretical and analysis basis with validate the design. The main area of focus in this project is to reduce the weight and cost of the trolleys by designing a new development design. The existing trolley designed by the industry uses heavy trolleys without considering loading conditions which in turn leads to a higher factor of safety increasing the overall cost of the Trolleys. Trolley is such that they don't usually check for the design optimization and but if we check the costing of the trolleys that create space for improvement, so FEA gives more pleasure to get optimize design without doing prototype testing carries more cost. As we know in inventory, we have to accommodate more products in less area so stacking is important factor for trolley, so we are checking this design for stacking load carrying capacity. This work presents a finite element analysis of a procedure to model and simulate trolleys used in the automotive parts supplier industry, especially in car component manufacturing companies for shifting or transporting the different parts. In this study, the design is carried out using CATIA software, Pre-processing work such as meshing and setting static loading condition has been set up in Hypermesh and static analysis of the trolley is performed using finite element software. The Von-misses yield principle has been used to determine the distribution of stress intensity. The proposed model has better results consider the existing model of the trolley

Keywords: *Design, Material handling trolleys, Finite Element Analysis, Modal Analysis, CATIA V5.*

C-14: Study and Analysis of Effect of Operational and Constructional Variables on the Performance of the Shock Absorber

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Abstract - During the journey of a passenger in an automobile, his comfort and the safety conditions are an important aspect for the evaluation of the quality of the ride. Ride is considered to be of a better quality if the passenger feels that adequate comfort and safety conditions have been maintained during the ride, however it is not possible to always maintain these conditions. The prime reasons for this are the various road profiles and the excitations that arising from the ground. In an automotive system there are various systems that control the motion of the vehicle directly or indirectly, out of these only the suspension system mainly deals with the vibrations and the comfort control of the vehicle and the passenger. Passive suspension systems are mostly employed for two wheelers. The main components in any passive suspension system are spring and the damper. The spring absorbs the excitations coming from the ground and unsprung mass and then vibrates till the energy is dissipated. In a two wheeler, mostly the suspension used is usually mono-tube or twin-tube suspension system. But out of these two systems, twin tube is preferred because of some of its inherent advantages over mono tube system. So this study is mainly focused on obtaining higher amount of the damping forces which will help in attaining the desired comfort level without hampering safety considerations in a twin tube hydraulic shock absorber by changing the constructional and the operational parameters.

Keywords: *Shock absorber, Passive suspension, twin-tube suspension system*

C-15: Artificial Intelligence Floor Cleaning robot

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Abstract - This project presents the design and implementation of a robotic floor cleaning system utilizing the ESP8266 microcontroller and the Blynk IoT platform. The system integrates a mopping motor and a water pump to facilitate floor cleaning operations. The ESP8266 microcontroller serves as the central control unit, receiving commands from the Blynk mobile application to control the movement of the robotic car and activate the cleaning mechanisms. The robotic car is equipped with motorized wheels for mobility and is capable of maneuvering across various floor surfaces. The mopping motor, powered by a 12V DC supply, facilitates the mopping action, while the water pump provides water flow for effective cleaning. Through the Blynk app interface, users can remotely control the robotic car's movement and initiate cleaning operations at their convenience. Key features of the system include real-time monitoring and control via the Blynk platform, allowing users to observe the cleaning progress and adjust parameters as needed. Additionally, the integration of IoT capabilities enables remote operation and automation, enhancing user convenience and efficiency. The development of this ESP8266 controlled Blynk IoT operated robotic floor cleaning system provides a practical and innovative solution for automated floor cleaning tasks, offering convenience, flexibility, and improved cleaning performance.

C-16: The Experimental Analysis Reinforcement Aluminum metal matrix composite with SiC and TiC.

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Abstract – The demand for lightweight and high-strength materials in nerospace and automotive industries has led to the exploration of advanced composite materials. This study focuses on the experimental analysis of a novel aluminum metal matrix composite reinforced with Silicon Carbide (SiC) and Titanium Carbide (TiC) particles. The fabrication of the composite was uchieved through a suitable process (PM, Stir casting etc.), ensuring uniform distribution of the reinforcing phases within the aluminium matris... Tensile, compressive, and hardness tests were conducted to evaluate the mechanical strength and durability of the composite material. The experimental results revealed significant enhancements in mechanical properties compared to the unreinforced alumiman matrix. The tensile strength, hurdness, and compressive strength exhibited notable improvements, showcasing the effectiveness of SiC and TiC as reinforcing agents. The findings demonstrated that the incorporation of SiC and TiC particles contributed to enhanced thermal properties, making the composite material suitable for applications in high. temperature environments.

C-17: Jominey End Quench Test For Aluminium and Stainless steel

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Abstract – The Jominy end quench test is a common method employed to characterize the hardenability of materials. In this research, an attempt was made to simulate the Jominy test for aluminium material using a specific method. Throughout the study, the quenching process involved varying the temperature of recrystallize temperature where microstructure are changes on which property of material depends. The objective was to investigate and compare the differences in hardness resulting from varying temperature of heating aluminium material in the quenching process. During the quenching process, cooling curves were determined at different points, taking into account phase conversions and material properties during rapid cooling. Subsequently, the time–temperature-transformation curve of aluminium was employed to derive the function constants (CT) of the curve. Finally, the simulated results were analysed, and the maximum and minimum hardness of the aluminium were determined.

C-18: Overview on 3D Printing Technology: Empowering Industries: The Transformative Potential of 3D Printing Technology

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Abstract – Digital fabrication, also known as 3D printing or additive manufacturing, enables the creation of physical objects from a digital model by adding materials layer by layer. This technology has rapidly emerged as a versatile tool with widespread adoption across various industries such as agriculture, healthcare, automotive, locomotive, and aviation. It facilitates mass customization and the production of open-source designs. This paper provides an overview of different 3D printing technologies, their applications, and the materials utilized in the manufacturing sector. Keywords: Additive manufacturing, 3D printing, manufacturing sector.

C-19: Unleashing Potential: Graphene Composites for Automotive Advancement

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Abstract – Graphene, known for its outstanding mechanical properties such as strength and flexibility, shows great promise in enhancing the performance of composite materials. Graphene composites offer the potential for lighter yet stronger materials, surpassing even steel in strength. This aligns with the automotive industry's growing demand for lightweight, energy-efficient, and safe vehicles (EESVs) to reduce CO2 emissions and enhance fuel economy. Structural applications in automobiles are suggested as a suitable pathway for graphene composites. However, challenges persist in terms of scalability for mass production, including high manufacturing costs, feasible fabrication techniques, and safety considerations. This study explores the industrial perspectives of integrating grapheme composites in the automotive sector, focusing on three key areas of innovation management:the business ecosystem, PESTEL analysis, and scenario planning. The findings underscore critical partners and potential competitors within the business ecosystem, as well as two major concerns identified through PESTEL analysis and scenario planning: sustainable supply chains and graphene composite quality.

Keywords: *Graphene composites; automotive sector; business environment; PESTEL framework; scenario analysis.*

C-20: The experimental setup of Compressible Flow through converging diverging nozzle

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Abstract – The Experimental setup of Compressible Flow Through converging diverging nozzle is a project developed as part of the Mechanical Engineering curriculum. In this project we used the converging diverging nozzle for calculate the different velocities of the fluid. With the help of Mach number we have calculate the Sonic, Subsonic and Hypersonic velocities of the fluid. The project utilizes Manometer, pressure gauge, Compressor, Orifice, Menum chamber. Nozzle to create the Experimental setup. The nozzle is used for the energy conversion purpose. For maximum thrust and efficiency the direction of the flow must be parallel to the axis of nozzle. We have calculate the Mach number with the help of velocity of flow and the velocity of sound. Flow from converging nozzle to suddenly expanded circular doct of larger cross- sectional area than that of nozzle exit area were studied experimentally, focusing attention on the base pressure and the flow development in the duct. Mach marker and twizzle pressure ratio are considered as the flow parameters. According to the calculations performed in this research, the percentage variation of velocity at 0.2Ma was larger than at 1.0 Ma and 18 Ma This happen cause at the sonic and supersonic flow there is factor that disturb the flow such as the back pressure and normal shock. The design of the supervonic nozzle remains a challenging task in fluid mechanics. In a wpersonic nozzle, not only the physical parameters of the nozzle play an essential role, but the thermalynamic parameters of the flow alur play a crucial role in defining the design of a zle The Converging Diverging Nozzle known as de Laval nozzle is the most common and efficient deugn in rocketry The cliemical potential energy produced in the combustion Jumbet (pocket editingverted into kinche energy by the single.

C-21: Experimental Investigation of Strain rate effects on PC and PC blends

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Abstract – Thermoplastic materials are increasingly used as a light weight replacement for metal, especially in automotive applications. Typical examples are mobile casings, laptop covers, headlight of vehicles etc. The loads on these structures are very often impulsive, for example in a crash situation. A high rate of loading causes a high strain rate in the material which has a major impact on the mechanical behavior of thermoplastic materials. Polycarbonate (PC) is a typical engineering polymer which is commonly used in automotive, sheet glazing, medical appliance, packing, and some electrical applications because of its high tensile strength, good electrical properties, lower coefficient of thermal expansion, clarity, dimensional stability, and high-heat deflection temperature. However, the PC resin as a synthetic plastic is hard to be rapidly decomposed which is considered as the main reason to cause the environmental pollution. Poly(L-lactide) (PLA) is a green, renewable, biodegradable, and environmentally friendly polymer. One disadvantage of this polymer is its brittleness, which limits its applications. In this work attempt was made to study the effect of addition of PLA in Polycarbonate. The strain rate was measured at room temperature, 60o C, and 80oC and result are compared with pure PC. The results showed slight improvement in the strain rates of PLA/PC blend.

Keywords: *PC, PLA, Strain rates etc.*

C-22: Improving the Mechanical Properties of CI200 through Magnetic Field-Assisted Processing

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Abstract:- As per the requirements of the industry, stronger, lighter, more efficient and more cost-effective products are required. Materials are often sketched for structural, aerospace, and automotive applications because of their better properties. The casting process is one of the oldest manufacturing methods, involving squeezing and jolting the green sand used as moulding material and further developed with the use of binders such as clay and organic resins. In this experiment magnetic field was carried out and input parameters for the magnetic mould, were optimized. This experiment's aim is to evaluate the mechanical property of a product manufactured by casting but during manufacturing magnetic field give to melt material. It also studies regarding changing sand proportion and what will be the effect on product properties and observed with an existing product. In this work is used the melting casting route using a cupola furnace and molten metal is poured into a magnetic casting route using a cupola furnace and molten metal is poured into a magnetic mould containing a magnet with a magnetic field. Casting in magnetic mould and also the adoption of high magnetic field for enhanced mechanical property (tensile strength, of elongation hardness etc.) the casting produced from magnetic mould were subjected to mechanical test viz. hardness, tensile strength % elongation and data compared with the casting of the same composition made in sand and die mould. During this experiment, we can observe mechanical properties with respect to changing magnetic fields. The corresponding of elongation and hardness will be observed with changing magnetic field.

Keywords : *Casting: Magnetism.C1200, Properties, Hardness, Strength*

C-23: Fabrication Of minor Losses In pipe Fitting Test Rig

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Abstract:- The aim of this project to fabricate the minor losses test rig. It mainly focuses on head losses in pipe system. The main purpose of this project to give better understanding on the effect of minor losses in pipe flow system. Minor losses in pipe fitting refer to energy loss occur due to the presence of various fittings such as sudden contraction, sudden expansion, bends and elbows in pipes. These losses occurs due to changes in pipe flow path and friction in the pipe flow system. We use simple U- tube manometer to calculate pressure difference in pipe lines. The energy losses that occur during steady state conditions are classified into two categories, the major losses and the minor losses. Major losses occur due to the friction effect between the moving fluid and the walls of the pipe. The minor losses occur due to any disturbance that might occur to the flow, which is mainly caused by the installed fittings on the pipeline. For long pipelines, the value of the minor losses is usually considered to be insignificant especially when compared to the value of the major losses. Minor losses are the losses of head due to large number of pipe fitting such as bends, elbow, joints, valves, sudden expansion and contractions in pipe diameter. In a pipeline these fitting cause localized energy losses or pressure head due to their shape and these losses are classified as minor losses.

Keywords*: Minor losses, Friction, Energy, Head losses.*

C-24: A Battery Brackets for Enhanced Performance and Safety In Electric Vehicles

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Abstract:- This research paper investigates the design, material selection, and optimization of battery brackets to enhance the performance of electric vehicles (EVs). The battery bracket, a critical component in EVs, is essential for securing and stabilizing the power source. The study focuses on design considerations, exploring weight distribution, thermal management, and structural integrity. Material selection is examined, encompassing high-strength alloys, composites, and advanced polymers, while prioritizing environmental impact and cost-effectiveness. Optimization techniques, including Finite Element Analysis (FEA) and computational algorithms, are employed to achieve a balanced approach to weight reduction, structural integrity, and cost efficiency. Emphasis is placed on ensuring safety and reliability, considering crashworthiness, thermal management, and adherence to guidelines and standards. The paper includes real-world case studies, showcasing successful implementations of optimized battery brackets in electric vehicles. The findings underscore the significance of enhanced battery brackets in augmenting the overall performance, safety, and sustainability of electric vehicles. Future research directions and potential advancements in battery bracket technology are also discussed.

Keywords: *Electric vehicles, Battery bracket, Design optimization, Material selection, Safety, Sustainability.*

C-25: Integrated Approaches to Water Conservation in India: Bridging Tradition with Technology for Sustainable Management

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Abstract:- Water conservation is a serious issue in India due to rapidly rising population, increasing urbanization, and also the changing climate patterns. This abstract provides an overview of water conservation practices in India, and also focusing on both traditional methods as well as modern approaches.Traditional water conservation practices in India, including rainwater harvesting dating back centuries, involve collecting rainwater for later use. Additionally, community-based structures like 'Johads' in Rajasthan and 'Kulhs' in Himachal Pradesh store rainwater for irrigation and domestic purposes. Modern initiatives, like the National Water Mission and Jal Jeevan Mission, focus on infrastructure development and efficient water use to improve water resource management and ensure access to clean water for all.Technological innovations, like drip irrigation systems and water recycling, are decisive for water conservation in India, especially in agricultural sector, industrial sector, and urban areas. Yet, challenges such as pollution and inefficient management continue, stressing the need for holistic approaches involving sustainable practices, stakeholder engagement, and policy interventions to ensure water security and conservation for present and future generations.In conclusion, water conservation in India requires a multi-faceted approach that combines traditional wisdom with modern technology and effective governance. By embracing innovative solutions and promoting community participation, India can achieve sustainable water management and safeguard its precious water resources for the years to come.

Keywords—water conservation, traditional water conservation practices, modern water conservation practices

C-26: Design of Differential Locking System

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Abstract:- A regular non-bolted differential consistently provides almost equal torque to either side. When one wheel is kept stationary while the vehicle has a differential , the partner wheel spins at twice its normal pace. The differential locking system described here can be physically locked in or withdrawn depending on with the circumstances. Alternatively, a system that detects a change in one wheel speed or slowdown can be developed and used to bolt the differential by sliding a canine ring into contact with the planetary apparatus spike shaft, giving both wheels equal footing. In the unlikely event that there is a difference in the speed of the driven and moving wheels, the differential is adjusted to unlock the bolt.

C-27: Electricity free Refrigeration by using LPG

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Abstract: - In India, the majority of refrigerators utilize traditional refrigerants like hydrofluorocarbons (HFC) and chlorofluorocarbons (CFC), powered by electricity. The operational expenses for these refrigerators are excessively high. Moreover, the absence of electricity results in food spoilage. CFC and HFC contribute significantly to both global warming potential (GWP) and ozone depletion potential (ODP). This study aims to compare residential electric refrigerators with LPG refrigerators. LPG refrigerators utilize liquefied petroleum gas (LPG) as their refrigerant, which is readily available and widely used domestically and commercially across India. LPG, a by-product of gasoline refineries, comprises three distinct fuels with extremely low boiling points (below 0 °C): 17.2% isobutene, 24.4% propane, and 56.4% butane.

C-28: Optimization of Suspension System for Minimization of Vibration

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Abstract: The suspension system has to perform complexity requirements, which includes equality, driving pleasure and road holding, riding comfort to occupant. Riding pleasure depends on vertical acceleration, with main objective to minimize vertical acceleration. The force transmitted by the deflection of Tyres to the unsprang mass is known as the Tyre-Dynamic Force (TDF). The force should be considered while designing the suspension system. The TDF can cause vehicle instability and increase in the sprung mass acceleration. In this dissertation, a 2-Degree Of Freedom (2-DOF) quarter car model is considered. The objective is to minimize the Tyre Dynamic Force (TDF) by optimum suspension design so that minimum Vibrations would be experienced by the passengers. Spring Stiffness and Damping Coefficient are used as design variables during optimization. The GA is used as an optimization tool with above mentioned objective function. The optimization results obtained were simulated and compared with classical values. It is observed that the Seat acceleration, using optimized values, is reduced by 8.76% compared to the classical values. From experimental validation main objective function of Tyre Dynamic Force value is reduced from 2300 N to 2100 N, it is decreased by 8.69 % and Seat acceleration reduced by 8.30% after replacing the conventional by optimized strut. Thus provides improved ride comfort to occupant/driver. Up till now, seat acceleration is given prime importance for ride comfort. But TDF plays an important role in designing the Suspension system as the large value of TDF can cause discomfort to the occupant. So, the TDF should be considered by the designers to improve the ride comfort and road handling properties of a vehicle.

C-29: Analysis on Performance Characteristics and Emissions of Diesel Engine using different Blends of Calophyllum Inophyllum, Cotton Seed Oil, Karanja

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Abstract: - Ecological concernment and energy extremity of the planet has led to the questof feasible alternatives to the non-renewable fuel source, FAME (Fatty Acid Methyl Ester) is biodegradable, ecological, alternative, and safe, environmental friendly which has a high flash point and is also termed as Bio-Diesel. In upcoming years, in most of the regions of the world production and application of biodiesel has extrinsic fame. It is usually produced by the method trans-esterification. In this experiment, biodiesel from Calophyllum Inophyllum oil, Karanja Oil Methyl Ester and Cottonseed Oil has been produced using the trans-esterification process. Engine trail have been executed in water cooled, 4- stroke diesel engine. Investigational analysis has been conducted to study the performance and emission on different biodiesel blends of Cottonseed Oil, Karanja Oil Methyl Ester and Calophyllum Inophyllum oil for unequal injection pressures. From the evaluation of obtained results, it can be deduced that the engine operation process is considerably become better with noteworthy subdual in emissions of the CO and HC.

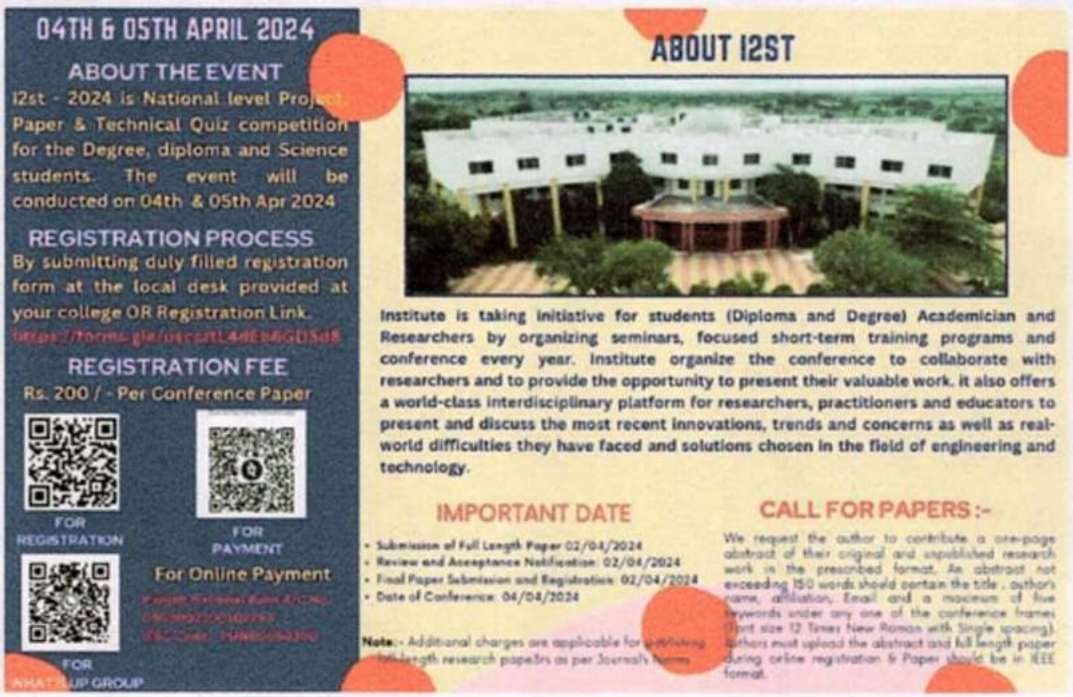
Keywords: *Bio fuel, Calophyllum Inophyllum, Cotton Seed Oil, Karanja*

C-30: Partial replacement of coarse aggregate in concrete with Coconut shells

Abhishek Chobhe1 Vedant Kadam2 Sumit Deharekar3 Umesh Kotkar4 Amol R Pardeshi5
Students1,2,3,4 Assistant Professor5
Shri Chhatrapati Shivaji Maharaj College of Engineering Nepti, Ahmednagar, Maharashtra

Abstract:- The three basic needs of men are food, clothing, and shelter. Civil Engineer has relevance with all basic needs of man directly or indirectly. Production of concrete is increasing due to high growth of infrastructure development and construction activities in the world, Production of concrete demands its constituents like aggregates, cement, water, and admixtures. Use of natural aggregates in such a rate leads to a question about the preservation of natural aggregate sources. Considering this in the contemporary civil engineering construction, using alternative materials in place of natural aggregate in concrete production makes concrete as sustainable and environmentally friendly construction material. Coconut is grown in most of the countries. Coconut shell being a hard and not easily degrade material if crushed to the size of coarse aggregate it can be a potential material to substitute some quantity of coarse aggregate. This study focuses on study on concrete which is partially replaced by coarse aggregate with coconut shell includes on the properties of split tensile strength, compressive strength, slump cone and impact resistance of concrete by using the coconut shell in range of 5%, 10%, 15%, 20% of volume in conventional concrete. Coconut shell volume is optimized as 20% in control concrete for the replacement of coarse aggregate to achieve the strength. For the optimized percentage of coconut shell introduced in conventional concrete such as split tensile strength, impact strength, and compression test were conducted and reported.


Sri Chitraapali Shivaji Maharaj College of Engineering
Nandi
Ahmednagar



छत्रपती अभियांत्रिकीत ४ व ५ एप्रिलला नॅशनल कॉन्फरन्स

प्रतिनिधी | नगर

नेवासे येथील श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालयात ४ आणि ५ एप्रिल रोजी इन्वेन्शन्स अँड इनोवेशन्स इन सायन्स अँड टेक्नॉलॉजी (आयस्क्वेअर एसटी) या मेगा इव्हेंट अंतर्गत १६ प्रकारच्या विविध टेक्निकल स्पर्धांचे आयोजन करण्यात आले आहे. या स्पर्धांसाठी आतापर्यंत ऑनलाईन पद्धतीने नोंदणी केलेल्या विद्यार्थ्यांची संख्या ही जवळपास ४५० च्या पुढे झाली आहे, अशी माहिती प्राचार्य डॉ. वाय आर खर्डे यांनी दिली.

या स्पर्धा अभियांत्रिकी, तंत्रनिकेतन, सायन्स, फार्मसी, या सर्व शाखांसाठी उपलब्ध आहेत. राष्ट्रीय पातळीवरची पेपर प्रेझेंटेशन ही कॉम्पिटिशन अशा सर्वांसाठी असणार आहे की जे सायन्स आणि टेक्नॉलॉजी मधील वेगवेगळ्या विषयांवर नवनवीन संशोधन करून आपली नवीन संकल्पना जगासमोर मांडू इच्छितात. प्रोजेक्ट कॉम्पिटिशन, स्मार्ट सिटी मॉडेल, हॅकेथॉन, ब्रिज मेकिंग, वेबसाईट किंवा गेम डेव्हलपमेंट, कँडबॉर्ड, मेकॅनिझम मास्टर, क्विझ ट्रेनिक्स, डिपार्टमेंटल टॅलेंटाईन या टेक्निकल ऍक्टिविटी बरोबरच ज्या विद्यार्थ्यांना आपल्या अंगातील कलागुणांना वाव द्यायचा आहे त्यांच्यासाठी ट्रेजरहंट, आर्ट अटॅक, रांगोळी, पोस्टर कॉम्पिटिशन अशा प्रकारच्या कॉम्पिटिशन आणि ज्यांना स्पोर्ट्स मध्ये इंटरेस्ट आहे, त्यांच्यासाठी चॉक्स क्रिकेट, व्हॉलीबॉल, चेस यांच्यासारखा आउटडोअर आणि इनडोअर कॉम्पिटिशन सुद्धा या इव्हेंट मध्ये उपलब्ध असणार आहेत.

महाविद्यालयाच्या वेबसाईटवर 'आय स्क्वेअर एस टी' या इव्हेंटची सर्व माहिती आणि नोंदणी प्रक्रिया दिलेली आहे. या मेगा इव्हेंटसाठी विद्यार्थी ऑनलाईन पद्धतीने नाव नोंदणी करू शकतात.

४ व ५ एप्रिलला नेवासे येथील श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालय येथे सकाळी ७० वाजता उपस्थित राहून ऑफलाइन पद्धतीने देखील नाव नोंदणी करू शकतात. सहभाग नोंदवताना अडचण आल्यास प्रा. मोहनेश मांढरे , प्रा. अक्षय देखणे यांच्याशी संपर्क साधावा.

सकाळ

छत्रपती अभियांत्रिकीमध्ये विविध स्पर्धांचे आयोजन

अहमदनगर : नेवासे येथील श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालयामध्ये येत्या चार आणि पाच एप्रिलला इन्वेंशन्स अँड इनोव्हेशन्स इन सायन्स अँड टेक्नॉलॉजी (आय स्क्वेअर एस टी) या मेगा इव्हेंट अंतर्गत १६ प्रकारच्या विविध टेक्निकल स्पर्धांचे आयोजन करण्यात आले आहे, अशी माहिती महाविद्यालयाचे प्राचार्य डॉ. वाय. आर. खर्डे यांनी दिली.

या स्पर्धा अभियांत्रिकी, तंत्रनिकेतन, सायन्स, फार्मसी या सर्व शाखांसाठी उपलब्ध आहेत. राष्ट्रीय पातळीवरची पेपर प्रेझेंटेशन ही कॉम्पिटिशन अशा सर्वांसाठी असणार आहे. वेगवेगळ्या विषयांवर नवनवीन संशोधन करून नवीन संकल्पना मांडाव्यात.

Nagar, Nagar-Today
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दैनिक जनता आवाज

छत्रपती अभियांत्रिकीमध्ये ४ एप्रिलला विविध स्पर्धा

जनता आवाज वृत्तसेवा

नेवासे : नेवासे येथील श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालयामध्ये येत्या ४ आणि ५ एप्रिलला इन्वेंशन्स अँड इनोव्हेशन्स इन सायन्स अँड टेक्नॉलॉजी (आय स्क्वेअर एस टी) या मेगा इव्हेंट अंतर्गत १६ प्रकारच्या विविध टेक्निकल स्पर्धांचे आयोजन करण्यात आले असून या स्पर्धांसाठी आतापर्यंत ऑनलाईन पद्धतीने नोंदणी केलेल्या विद्यार्थ्यांची संख्या ही जवळपास ४५० च्या पुढे झाली आहे, अशी माहिती महाविद्यालयाचे प्राचार्य डॉ. वाय आर खर्डे सर यांनी दिली.

या स्पर्धा अभियांत्रिकी, तंत्रनिकेतन, सायन्स, फार्मसी, या सर्व शाखांसाठी उपलब्ध असून राष्ट्रीय पातळीवरची पेपर प्रेझेंटेशन ही कॉम्पिटिशन अशा सर्वांसाठी असणार आहे की जे सायन्स आणि टेक्नॉलॉजी मधील वेगवेगळ्या विषयांवर नवनवीन संशोधन करून आपली नवीन संकल्पना जगासमोर मांडू इच्छितात त्याचबरोबर प्रोजेक्ट कॉम्पिटिशन, स्मार्ट सिटी मॉडेल, हॅकेथॉन, ब्रिज मेकिंग, वेबसाईट किंवा गेम डेव्हलपमेंट, कँडबॉर्ड, मेकॅनिझम मास्टर, क्विझ ट्रेनिक्स, डिपार्टमेंटल टॅलेंटाईन या टेक्निकल ऍक्टिविटी बरोबरच ज्या विद्यार्थ्यांना आपल्या अंगातील कलागुणांना वाव द्यायचा आहे त्यांच्यासाठी ट्रेजरहंट, आर्ट अटॅक, रांगोळी, पोस्टर कॉम्पिटिशन अशा प्रकारच्या कॉम्पिटिशन आणि ज्यांना स्पोर्ट्स मध्ये खूप जास्त इंटरेस्ट आहे त्यांच्यासाठी चॉक्स क्रिकेट, हॉलिबॉल, चेस यांच्यासारखा देखील आउटडोअर आणि इनडोअर कॉम्पिटिशन्स सुद्धा या इव्हेंट मध्ये उपलब्ध असणार आहेत.

महाविद्यालयाच्या वेबसाईटवर 'आय स्क्वेअर एस टी' या इव्हेंटची सर्व माहिती आणि नोंदणी प्रक्रिया दिलेली आहे. या मेगा इव्हेंटसाठी विद्यार्थी ऑनलाईन पद्धतीने नाव नोंदणी करू शकतात त्याचबरोबर ४ व ५ एप्रिलला नेवासे येथील श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालय या ठिकाणी सकाळी ठीक १० वाजता उपस्थित राहून ऑफलाइन पद्धतीने देखील नाव नोंदणी करू शकतात. सहभाग नोंदवताना कुठलीही अडचण आल्यास पुढील कॉन्टॅक्ट नंबर आणि कॉन्टॅक्ट पर्सन ला तात्काळ कॉल करा. प्राध्यापक मोहनेश मांढरे ८१४९९९४०९८, प्राध्यापक अक्षय देखणे ९०२८१०६६८९ आणि प्राध्यापक रुपीकेश रोहमारे ७७०९९४५७९२.

अहमदनगर जिल्हा मराठा विद्या प्रसारक समाज या संस्थेचे अध्यक्ष मा.श्री. रा. ह. दरे साहेब, उपाध्यक्ष डॉक्टर विवेक भापकर साहेब, सचिव ड. विश्वासराव आठरे पाटील, सहसचिव मा. श्री. जयंत वाघ साहेब, खजिनदार ड. दीपलक्ष्मी म्हसे मॅडम तसेच संस्था सदस्य-पदाधिकारी या सर्वांनी हा कार्यक्रम यशस्वी होण्यासाठी शुभेच्छा दिल्या आहेत.

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Rohamare R.V.

Mandhare. M.D.

Shri Chhatrapati Shivaji Maharaj College of Engineering * Nepti Ahmednagar

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

Memorandum of Understanding (MoU)

Between

EXIDE

Exide Industries Limited, Ahmednagar Factory

and

Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

This Memorandum of Understanding (MoU), is made on this Date 21st August 2023 between the **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** and **Exide Industries Limited , Ahmednagar Factory**, herein after referred to as **Exide Ahmednagar** having its Registered office at ***Ahmednagar*** (Exide Industries Limited, E5, Gajanan Colony, MIDC, Ahmednagar, Maharashtra 414111). The MoU is being signed with **Exide Industries Limited , Ahmednagar Factory** as a Partner for Academic Excellence, Expert Lectures, Workshops, Implant Training and Industry Institute interaction, Placement, Internships with **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** to support to drive research and academic excellence.

1.0 Introduction :-

Organization Profile – Exide Industries Limited With nine factories spread across the country, Exide's range and scale of manufacturing operation can be matched by very few companies in the world. Out of nine factories seven factories are decided to manufacturing batteries and other two for Home UPS System. Together , the manufacturing plants produce an annual output for 8 Million units in Automobile batteries (including batteries for motor-cycle applications) and over 600 Million Ampere- Hours of Industrial Power.
Exide manufacturing facilities are equipped with world's latest and most advanced machineries. The Company is constantly upgrading its technology and also acquiring new technology to meet the ever-increasing demand of its customer. In addition to the state-of-the-art in-house R&D center recognized by the Department of Scientific and Industrial Research , Government of India , Exide also acquired new technology through technical collaboration agreement with leading international battery manufactures.

Institute Profile :-

Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar is one of the active Engineering Educational Institute established in the rural area of Ahmednagar district in the year 2011. It is affiliated to Savitribai Phule Pune University, Pune and functioning by the principle of participatory management in order to reach to the weaker sections of society. It has competent and experienced teaching staff, state-of-art infrastructure, well equipped and recognized laboratories including Computer labs, Modern language laboratory, virtual classroom, rich central and Departmental libraries, spacious reading halls, beautiful campus, hostels, Guest house, well developed Garden and playgrounds. It provides quality education to the socio-economically deprived sections of society. NAAC has accredited our college with "B+" grade in its 1st Cycle. , and earned ISO 9001:2015 Certification in 2020 for 3 years.It is also ISO 9001:2015 Certified. The Faculties are motivated by the history and thoughts of the Parent Institute and contributing for the continuation of Technical Education of wards of poor families along with the Academic responsibilities. The College is progressing in research along with the academics and faculties have achieved excellent publications and patents. Alumni of the college have excelled in Corporate , Government and as Entrepreneurs too achieving 100

ranks and offering their services to various leading Organizations in the capacity of prominent leaders

2.0 Objectives of Cooperation :-

The main objective of this MoU is to provide a platform to build a strong and on-going relationship between **Exide Industries Limited. Ahmednagar Factory** and **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar**

The primary goals are –

2.1 To develop and foster strategic linkages between **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** and **Exide Industries Limited. Ahmednagar Factory**.

2.2 To understand the needs and expectations of both the institute and the organization and to execute relevant identified activity required to meet the needs and expectations therein.

2.3 To promote and enhance academic interest between **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** and **Exide Industries Limited. Ahmednagar Factory**.

2.4 To provide implant Training to the Engineering students of and **Exide Industries Limited. Ahmednagar Factory**.

2.5 To promote Project work and Educational Activity between **Shri Chhatrapati Shivaji**

Maharaj College of Engineering, Ahmednagar and **Exide Industries Limited. Ahmednagar Factory**.

3.0 Coordination :-

Both parties (**Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** and **Exie Industries Limited. Ahmednagar Factory**) shall take all reasonable steps to cooperate and ensure successful implementation of all the measures mentioned in this MoU.

4.0 Areas for Cooperation :-

4.1 Participation in knowledge sharing at Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar

Exide Industries Limited. Ahmednagar Factory to provide its speakers, Industry experts, Technology specialists to participate and deliver technical presentations and talks on topics as shall be, jointly, decided by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** and **Exide Industries Limited. Ahmednagar Factory**. Such lectures shall either be a part of the curriculum or a value-add knowledge for the students.

4.2 Projects for Diploma Students :-

Exide Industries Limited. Ahmednagar Factory shall explore the possibility of increased student and faculty interface by offering and sponsoring projects for students, depending on the need and availability of such projects at **Exide Industries Limited. Ahmednagar Factory**. Since such projects shall constitute a partial fulfillment for the award of the respective **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** shall have to evaluate the projects carried out by the students as per the norms of the Savitribai Phule Pune University Projects Coordinator of the Department shall extend all support for the evaluation process.

4.3.Training and Placement support to Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar

Exide Industries Limited. Ahmednagar Factory shall conduct Training programs, Workshops as and when necessary to help the students to enhance their technical and soft skills. **Exide Industries Limited. Ahmednagar Factory** shall recruit competent and potential students of final year Students depending on their annual need and growth plan. This activity shall be governed by their selection process steered, jointly, by the, **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** and **Exide Industries Limited. Ahmednagar Factory**.

4.4.Participation in Technical events of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar

Exide Industries Limited. Ahmednagar Factory shall consider participation in

Technical events of **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar**. Events include National/International conferences, workshops, finishing schools, symposia, value-add courses hosted by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** The final decision shall be taken on a case to case basis after review and discussion between the two parties.

4.5. Faculty and students- Summer and Winter Training / Industry Visits to students:

Exide Industries Limited. Ahmednagar Factory shall identify, encourage and support the evolving technical competence in students by providing Studentships and Summer / Winter trainings to students during their vacation period between successive semesters. **Exide Industries Limited. Ahmednagar Factory** shall deploy such students on specific technical works at their development centers. **Exide Industries Limited. Ahmednagar Factory** shall evaluate the quality of the work carried out by the Students and award them with a certificate at the end of the Studentships. HODs of all Departments, **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** shall co-ordinate with **Exide Industries Limited. Ahmednagar Factory** throughout the process including initiation of the Students training request at the appropriate time, selection of students for the training overseeing the technical

work carried out by the Students and the evaluation of the work carried out by the Students as might be required by **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar**

4.6.Nurturing Exchange programs:

Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar shall foster the Industry-Institute exchange program with respect to the faculty and industry executives to serve in the organizations on an exchange basis. This shall provide the associates of **Exide Industries Limited. Ahmednagar Factory** and **Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar** with cross-learning opportunities.

5.0 Confidentiality :-

Either party guarantees and acknowledges that all information whether in writing or oral or otherwise obtained from other party under this MOU would be kept strictly confidential during the MOU or after cessation, either party shall not divulge, disclose or impart to any third person/organization. The provision of this clause shall survive the termination of this MOU.

6.0 Miscellaneous :-

6.1. This MOU shall be valid for a period of 3 years from date August 2023 to August 2026 and will be signed by Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar & Exide Industries Limited. Ahmednagar Factory. This MOU shall be renewed for further term with mutual consent of the two parties. Either party may terminate this MOU by giving 30 days prior written notice to the other.

6.2 Neither party hereunder shall be liable for any consequential loss or damages arising out of the performance of obligations under the terms of this MoU.

Agreed to:

EXIDE INDUSTRIES LTD. E-1 MIDC AHMEDNAGAR

By
Mr. Basawraj Bakali
Plant Head HR
Exide Industries Limited
Ahmednagar Factory.
E5, Gajanan Colony, MIDC,
Ahmednagar, Maharashtra 414111

Shri Chhatrapati Shivaji Maharaj College of Engineering Nepti Ahmednagar

By
Dr. Y.R Kharde
Principal
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar,

Maharashtra 414005.

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

Shri Chhatrapati Shivaji Maharaj College of Engineering,

Nepti , Ahmednagar

B+ NAAC

In Association With

Board of Apprenticeship Training
(BOAT,Western Region), Mumbai

Organizes

भव्य भरती मेळावा 2024

MEGA PLACEMENT DRIVE 2024

FRIDAY
16TH FEB 2024

10:00 AM

Eligibility Criteria

BE/BTECH/BA/Bcom/Bsc
BCS/BCA/ITI/DIPLOMA
(2019-2024 Batches)

Venue
SCSMCOE, Nepti,
Ahmednagar.

Scan or Click

For Industry

For Participants

For Any Queries:-
8446216205 | 8975252071
9657616155 | 7757026575

Mrs. S. M. Walke
Training & Placement Officer

Dr. Y. R. Kharde
Principal

Mr. N. N. Wadode
Dy. Director, BOAT(WR), Mumbai

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar
Survey No. 162 & 163, Nepti, Nagar - Kalyan Road, Ahmednagar - 414005. Maharashtra
Phone No :- 0241 -2568383 Unipune - ID CEGA019270 Fax No: - 0241 -2568384
Email: ajmvps123@gmail.com, scsmcoe.anr@gmail.com, Website: www.scoea.org
Approved by AICTE New Delhi, Govt. of Maharashtra & Affiliated To Savitribai Phule Pune University.

Department of Training & Placement
Bharti Mela Report

Sr. No	Class & Department Name	Name of Student	Company with Address	Designation of Candidate	Salary/ Stipend
1	B.E Mechanical	Jadhav Sagar Baban	Vehicle Research Development Establishment, Ahmednagar	Apprentice	Rs.15000
2	B.E Mechanical	Gawali Mahesh Dhondibhau	Vehicle Research Development Establishment, Ahmednagar	Apprentice	Rs.15000
3	B.E Computer	Salunkhe Harshada Ashok	Vehicle Research Development Establishment, Ahmednagar	Apprentice	Rs.15000
4	BE Mechanical	Rohit Gade	Tata Autocomp Systems Limited	Apprentice	Rs.18000
5	BE Mechanical	Amar Waybhase	Tata Autocomp Systems Limited	Apprentice	Rs.18000
6	BE Mechanical	Farukh Pathan	Tata Autocomp Systems Limited	Apprentice	Rs.18000
7	BE Mechanical	Sunil Waman	Tata Autocomp Systems Limited	Apprentice	Rs.18000
8	BE Mechanical	Aayvej Sayyed	Tata Autocomp Systems Limited	Apprentice	Rs.18000
9	BE Mechanical	Manish Gawali	Tata Autocomp Systems Limited	Apprentice	Rs.18000
10	BE Computer	Vinay Kumar	RB Tech Services	Apprentice	Rs.12000
11	BE Mechanical	Sunil Waman	Sulzer India Limited	Apprentice	Rs.15000
12	BE Mechanical	Mangesh Gawali	Sulzer India Limited	Apprentice	Rs.15000
13	BE Mechanical	Ganesh Shinde	Sulzer India Limited	Apprentice	Rs.15000
14	BE Mechanical	Ajay Sarode	Sulzer India Limited	Apprentice	Rs.15000

Shri Chhatrapati Shivaji Maharaj College of Engineering Nepti Ahmednagar

15	BE Mechanical	Prakash Thorat	Sulzer India Limited	Apprentice	Rs.15000
16	BE Mechanical	Pratiksha Thorat	Sulzer India Limited	Apprentice	Rs.15000
17	BE Mechanical	Pratik Madane	Sulzer India Limited	Apprentice	Rs.15000
18	BE Mechanical	Imran Khan	Sulzer India Limited	Apprentice	Rs.15000
19	BE Mechanical	Samarth Ganse	GKN Sinter Metals	Apprentice	Rs.15000
20	BE Mechanical	Rohit Gade	Dynapac Road Constructions	Apprentice	Rs.14500
21	BE Mechanical	Ashwini Modhave	Dynapac Road Constructions	Apprentice	Rs.14500
22	BE Mechanical	Ramdas Thorat	Dynapac Road Constructions	Apprentice	Rs.14500
23	BE Mechanical	Pratiksha Limbhore	Dynapac Road Constructions	Apprentice	Rs.14500
24	BE E&TC	Ganesh Gulati	Dynapac Road Constructions	Apprentice	Rs.14500
25	BE Mechanical	Rushikesh Kshirsagar	Dynapac Road Constructions	Apprentice	Rs.14500
26	BE Mechanical	Rohit Gade	CG Power & Industrial Solutions	Apprentice	Rs.20000
27	BE Mechanical	Shivnath Vinchur	CG Power & Industrial Solutions	Apprentice	Rs.20000
28	BE Mechanical	Amar Waybhase	CG Power & Industrial Solutions	Apprentice	Rs.20000
29	BE Mechanical	Ajay Sarode	CG Power & Industrial Solutions	Apprentice	Rs.20000
30	BE Mechanical	Avej Sayyed	Klassic Wheels Limited	Apprentice	Rs.20000
31	Computer Diploma	Nikita Pund	Klassic Wheels Limited	Apprentice	Rs.20000
32	E&TC Diploma	Mayuri Jagtap	Klassic Wheels Limited	Apprentice	Rs.20000
33	BE Mechanical	Jaydeep Jadhav	Klassic Wheels Limited	Apprentice	Rs.20000
34	BE Mechanical	Vishal Karale	Epitome Components Private Limited	Apprentice	Rs.18000
35	BE Mechanical	Ramdas Thorat	Epitome Components Private Limited	Apprentice	Rs.18000

36	BE Mechanical	Ashwini Modave	Epitome Components Private Limited	Apprentice	Rs.18000
37	BE Mechanical	Jaydeep Jadhav	Epitome Components Private Limited	Apprentice	Rs.18000
38	BE Mechanical	Nikil Gite	Epitome Components Private Limited	Apprentice	Rs.18000
39	BE Mechanical	Om Kashid	Epitome Components Private Limited	Apprentice	Rs.18000
40	B.E E&TC	Vaishnavi Kshirsagar	Epitome Components Private Limited	Apprentice	Rs.18000
41	BE Mechanical	Rushikesh Kshirsagar	Epitome Components Private Limited	Apprentice	Rs.18000
42	BE Mechanical	Pratiksha Limbore	Epitome Components Private Limited	Apprentice	Rs.18000
43	B.E E&TC	Ganesh Gulati	Epitome Components Private Limited	Apprentice	Rs.18000
44	B.E E&TC	Nisha Rathod	Epitome Components Private Limited	Apprentice	Rs.18000
45	BE Mechanical	Rushikesh Thorat	Epitome Components Private Limited	Apprentice	Rs.18000
46	BE Mechanical	Omkar Harchandre	Epitome Components Private Limited	Apprentice	Rs.18000
47	B.E E&TC	Sourabh Bidave	Epitome Components Private Limited	Apprentice	Rs.18000
48	BE Mechanical	Jaydeep Jadhav	BSA Corporation Limited, Pune	Apprentice	Rs.15000
49	BE Mechanical	Ganesh Karle	BSA Corporation Limited, Pune	Apprentice	Rs.15000
50	BE Mechanical	Tushar Bhawar	BSA Corporation Limited, Pune	Apprentice	Rs.15000
51	BE Mechanical	Samarth Garje	GKN Sinter Metals	Apprentice	Rs.15000
52	BE Mechanical	Rohit Gade	GKN Sinter Metals	Apprentice	Rs.15000
53	BE Civil	Pragati Jagtap	Portray Cluster	Apprentice	

54	BE Civil	Pratik Madane	Inavit Structural Consultants, Chakan	Apprentice	
55	BE Civil	Omkar Mhaismale	Inavit Structural Consultants, Chakan	Apprentice	
56	BE Civil	Siyona Bhingardive	Inavit Structural Consultants, Chakan	Apprentice	
57	TE Computer	Vaishnavi Jagtap	Shriniwas Manresources Private Limited	Apprentice	Rs.15000
58	TE Computer	Pranjali Darade	Shriniwas Manresources Private Limited	Apprentice	Rs.15000
59	BE Civil	Omkar Mhaismale	Hiray Consulting Engineers	Apprentice	
60	SE Mechanical	Prajwal Dhadge	Exide Industries	Apprentice	Rs.20000
61	BE Mechanical (2023)	Sagar Jadhav	Exide Industries	Apprentice	Rs.20000
62	BE Mechanical (2023)	Sanket Pise	Exide Industries	Apprentice	Rs.20000
63	TE Computer	Aparna Gangishetty	Shriniwas Manresources Private Limited	Apprentice	Rs.15000
64	TE Computer	Akshada Shingavi	Shriniwas Manresources Private Limited	Apprentice	Rs.15000
65	BE Civil (Passout)	Harshada Daipule	Hiray Consulting Engineers	Apprentice	
66	TE E&TC	Harshada Virkar	Shriniwas Manresources Private Limited	Apprentice	Rs.15000

Mrs.S.M Walke
TPO

Shri Chhatrapati Shivaji Maharaj College of Engineering Nepti Ahmednagar

Dr.Y.R Kharde
Principal

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

Gmail

Shilpa Walke <shilpa.walke@scoea.org>

Regarding the Selection List of Students from "Bharti Mela - 2024" held on 16/02/2024 at SCSMCOE, Nepti, Ahmednagar

Wed, Mar 6, 2024 at 12:33 PM

Shelke, Vitthal <Vitthal.Shelke@sulzer.com>
To: Shilpa Walke <shilpa.walke@scoea.org>
Cc: "Muley, Jagdish" <jagdish.muley@sulzer.com>

Dear Ms. Shilpa,

Greetings !!

Thank you very much for arranging Mega Placement Drive.

I am writing to express my heartfelt appreciation for the outstanding efforts of the Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti in arranging candidates for the recent Mega Placement Drive held on Feb 16th. Your dedication and diligence in sourcing and screening candidates have been truly commendable.

Your ability to identify and attract top talent to our organization is invaluable and greatly contributes to our success. The seamless coordination and prompt communication throughout the recruitment process have been instrumental in ensuring a smooth and efficient hiring process.

I want to personally thank each member of the Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti for their hard work, professionalism, good hospitality, and commitment to excellence. Your contributions play a vital role in shaping the future of our team and driving our organization forward.

Details of shortlisted & HOLD candidates are as below; we are releasing job offers by EOD.

Candidate Name	Qualification	YOP	College	Remarks
Waman Sunil Jankiram	BE Mech	2023	SCM	Hire
Manesh Dhondibhau Gawali	BE Mech	2023	SCM	Hire
Ganesh Namdev Shinde	BE Mech	2024	SCM	Hire
Ajay Ashok Sarode	BE Mech	2024	SCM	Hire
Pratiksha Sudam Limbhore	BE Mech	2024	SCM	Hire
Ramdas Prakash Thorat	BE Mech	2024	SCM	Hire

Shri Chhatrapati Shivaji Maharaj College of Engineering Nepti Ahmednagar

Once again, thank you for your exceptional service and dedication. I look forward to continuing our successful collaboration in future recruitment endeavors.

Thank you & Regards

Vitthal Shelke
HR & IR
(Sulzer Chemtech)
Sulzer India Pvt Ltd
Gat No.304,303 At Kondhapuri,

Tal. Shirur, Pune-Nagar Road,

Pune-412209

Tel: +91 2137 304 238/9673958777
vitthal.shelke@sulzer.com
www.sulzer.com

SULZER

SULZER CONFIDENTIAL

From: Shilpa Walke <shilpa.walke@scoea.org>
Sent: Tuesday, February 20, 2024 10:46 AM
To: anant.dandekar@in.bosch.com; Bakali, Basavraj <basavraj.bakali@exide.co.in>; Hr@epitomeindia.com; chanprit4@rediffmail.com; kwl.hr002@gmail.com; kwl2.hr@gmail.com; patilsr.vrde@gov.in; hrd@fortunaengineering.com; admin@rbtechservices.in; rohitmscvt@gmail.com; hrd@saishraddhagroups.com; yogesh.kabra@qmail.quesscorp.com; recruiter@bsagroup.in; personnel@siddhiforge.com; phrs.nats@gmqil.com; hrmanager@shriniwasmanresource.com; vikas.mohite@caitindia.com; sourcing.manager@yashaswigroup.in; pandurang.group2122@gmail.com; ullas_nair@dss.co.in; kalpaksteels@gmail.com; shrinivas.nyalpelli@sunpharma.com; nitin.zarekar@cgglobal.com; bmmuley@tphrspl.in; hrd6@duroshox.com; portal@kunalgroup.net; Sachin Ghodake <ktfl.sachin@gmail.com>; org.dev@twinengineers.com; bhavana.naidu@dynapac.com; ysfnagar@gmail.com; ravindra.patil3@in.bosch.com; accounts.pune@ronchpolymers.com; annar@sigma-engineered.com; skillsmajestic@gmail.com; yogesh.bhosale@in.rheinmetall.com; mmulla@auto-componenets.com; pravin.bhalerao@aam.com; anil.jadhav@lumaxmail.com; Swapnil.adlerflug@gmail.com; inavitconsultants@gmail.com; nikitazarekar0305@gmail.com; recruitment@armsipl.com; ravindra.ghule@globewinpp.com; pranay.borkar@aam.com; sathish.kumar@pentapolisfoundation.com; aditi.mukherejee@foundation.com; hrservice@layamweb.com; amol.malwade@renata.co.in; shadesdesignpune@gmail.com; poonam.sapkale@atlascopco.com; Gayatri.singh@external.atlascopco.com; ajit.swami@kirloskar.com; Office.vone@gmail.com; Shelke, Vitthal <vitthal.shelke@sulzer.com>; tejes.sudrik@tataautocomp.com
Cc: Principal Admin <principal@scoea.org>; archana Mane <archana.mane@scoea.org>; Ganesh Salunke <ganesh.salunke@scoea.org>; priyanka.kotkar@scoea.org; madanathare18@gmail.com
Subject: Regarding the Selection List of Students from "Bharti Mela - 2024" held on 16/02/2024 at SCSMCOE, Nepti, Ahmednagar

[EXTERNAL EMAIL]

[Quoted text hidden]

Shri Chhatrapati Shivaji Maharaj College of Engineering Nepti Ahmednagar

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj
of Engineering, Nepti, Ahmedn...

Inauguration of Mega Placement Drive 2K24

Discussion with Hon. R. H. Dare Saheb President AJMVPS, Dr. Y. R. Kharde Principal SCSMCOE, Prof. S. M. Walke TPO SCSMCOE

Dr. Y. R. Kharde Principal SCSMCOE addressing to Students and Applicant

HR addressing to Students and Applicant

Conduction of Interviews

Vote of Thanks given by Prof. S. M. Walke TPO SCSMCOE & HOD E&TC Department

This Document Shows News Published in Lokmat and Nava Maratha News Paper Regarding Huge Response of Students and Companies for Mega Placement Drive

News Articles

लोकमत

छत्रपती अभियांत्रिकीच्या भरती मेळाव्याला विद्यार्थ्यांचा प्रतिसाद

लोकमत न्यूज नेटवर्क

अहमदनगर : नेप्ती येथील श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालयामध्ये नुकत्याच पार पडलेल्या भरती मेळाव्यामधून विविध शैक्षणिक क्षेत्रातील ६०० पेक्षा जास्त विद्यार्थ्यांनी सहभाग नोंदवला.

विद्यार्थ्यांना या भरती मेळाव्याचा निश्चितच फायदा होईल आणि भविष्यातदेखील महाविद्यालय हा उपक्रम चालू ठेवेल, असे आश्वासन महाविद्यालयाचे प्राचार्य डॉ. वाय. आर. खर्डे यांनी केले. बोर्ड ऑफ अॅप्रेंटिसशिप ट्रेनिंग (बोट) आणि श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालयाच्या संयुक्त विद्यमाने आयोजित या भरती मेळाव्यामध्ये नगर, सुपा, चाकण, रांजणगाव अशा विविध एमआयडीसीमधून ६० कंपन्या सहभागी झाल्या होत्या.

प्रमुख पाहुणे इपिटॉम कंपोनेंटचे प्रॉडक्शन हेड अतुल धर्माधिकारी यांनी विद्यार्थ्यांना अशा भरती मेळाव्यामधून स्वतःला सिद्ध करण्यासाठी योग्य तो प्रयत्न कसा करावा, याविषयी मार्गदर्शन केले. कार्यक्रमाच्या अध्यक्षस्थानी एक्साइड इंडस्ट्रिजचे एच. आर. बसवराज बकाली यांनी मुलाखतींना सामोरे कसे जावे याविषयी मार्गदर्शन केले. या उद्घाटन मुंबई येथील बोर्ड ऑफ अॅप्रेंटिसशिप ट्रेनिंगचे अमित रोटकर, धनंजय पालकर, व्हीआरडीईचे पुलकित गर, श्रीनिवास भानप, अन्सार शेख आदी मान्यवर उपस्थित होते.

अभियांत्रिकी, तंत्रनिकेतन, कला, विज्ञान, वाणिज्य, संगणक विज्ञान, औद्योगिक प्रशिक्षण अशा क्षेत्रांतील विद्यार्थ्यांसाठी आयोजित हा भरती मेळावा म्हणजे महाविद्यालयाचा एक स्तुत्य उपक्रम आहे, असे मत जिल्हा मराठा विद्या प्रसारक समाज संस्थेचे अध्यक्ष रा. ह. दरे यांनी व्यक्त केले. संस्थेचे सचिव जी. डी. खानदेशे, सहसचिव अॅड. विश्वासराव आठरे, खजिनदार डॉ. विवेक भापकर, विश्वस्त अॅड. दीपलक्ष्मी म्हसे आदींनी उपक्रमाचे कौतुक केले. सूत्रसंचालन प्रा. अक्षय देखणे यांनी केले. प्रा. शिल्पा वाळके यांनी आभार मानले.

नेप्ती येथील श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालयामध्ये भरती मेळाव्याचे आयोजन करण्यात आले होते.

Hello Ahmednagar
Page No. 4 Feb 17, 2024
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मेळाव्यात ६० कंपन्यांचा सहभाग

श्री छत्रपती शिवाजी महाराज अभियंत्रिकीच्या भरती मेळाव्याला विद्यार्थ्यांचा प्रतिसाद

नगर | नेप्ती येथील श्री छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालयात झालेल्या भरती मेळाव्याला ६०० पेक्षा जास्त विद्यार्थ्यांनी सहभाग नोंदवला. या भरती मेळाव्यामध्ये नगर, सुपा, चाकण, रांजणगाव अशा विविध एमआयडी सी मधून ६० कंपनी सहभागी झाल्या, अशी माहिती प्राचार्य डॉ. वाय आर खर्डे यांनी दिली. इपिटॉम् कंपनीचे अतुल धर्माधिकारी यांनी विद्यार्थ्यांना अशा भरती मेळाव्यामधून स्वतःला सिद्ध करण्यासाठी योग्य तो प्रयत्न कसा करावा, याबाबात मार्गदर्शन केले.

No.: **Receipt No./74405/2023-24** Dated **5-Apr-23**

DELNET- Developing Library Network
Jawaharlal Nehru University Campus
Nelson Mandela Road, Vasant Kunj
New Delhi-110070
State Name : Delhi, Code : 07

Receipt

Received with thanks from : **SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGG.**
SURVEY NO. 162-163, NAGAR-KALYAN ROAD,
NEPTI, AHMEDNAGAR (MS) - 414005
[DELNET MEM NO. IM-6829]

The sum of : **Indian Rupees Thirteen Thousand Five Hundred Seventy Only**

By : SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGG.; Punjab National Bank (India)
Inter Bank Transfer PUNBH23093516135 3-Apr-23 **13,570.00**

Remarks : **AMOUNT RECEIVED TOWARDS ANNUAL INSTITUTIONAL MEMBERSHIP FEES FOR THE PERIOD 21-03-2023 TO 20-03-2024**

****₹ 13,570.00/-**

***Subject to Realisation*

Authorised Signatory

Mrs. S. P. Suroshi
Librarian Library Dept
SCSMCOE, Nepti, Ahmednagar

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College
of Engineering, Nepti, Ahmednagar

Tax Invoice

DELNET- Developing Library Network
Jawaharlal Nehru University Campus
Nelson Mandela Road, Vasant Kunj
New Delhi-110070
GSTIN/UIN: 07AAAAD2288G1ZV
State Name : Delhi, Code : 07

Invoice No.	Dated
DEL/2023-24/47	**5-Apr-23**
	Mode/Terms of Payment
DELNET MEM. No.	Other References
IM-6829 dt. 5-Apr-23	
Buyer's Order No.	Dated

Buyer (Bill to)
SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGG.
SURVEY NO. 162-163, NAGAR-KALYAN ROAD,
NEPTI, AHMEDNAGAR (MS) - 414005, [DELNET MEM NO. IM-6829]
State Name : Maharashtra, Code : 27
Place of Supply : Maharashtra

Sl No.	Particulars	HSN/SAC	GST Rate	Rate	per	Amount
1	**IM FEE 2023-2024**	998431	18 %			**11,500.00**
						11,500.00
	IGST PAYABLE			*18*	%	**2,070.00**
	Total					**₹ 13,570.00**

Amount Chargeable (in words) *E. & O.E*
Indian Rupees Thirteen Thousand Five Hundred Seventy Only

HSN/SAC	Taxable Value	Integrated Tax		Total Tax Amount
		Rate	Amount	
998431	11,500.00	18%	2,070.00	2,070.00
Total	**11,500.00**		**2,070.00**	**2,070.00**

Tax Amount (in words) : **Indian Rupees Two Thousand Seventy Only**

DELNET's Bank Details
A/c Holder's Name : **DELNET**
Bank Name : **Cental Bank of India**
A/c No. : **1065410992 (Saving Bank)**
Branch & IFS Code : **Khan Market Branch & CBIN0280310**

for DELNET- Developing Library Network

DELNET-Developing Library Network New Delhi

Authorised Signatory

DELNET-Developing Library Network

CERTIFIED PRINCIPAL SCSMCOE TRUE COPY

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College
of Engineering, Nepti, Ahmednagar

DELNET

Developing Library Network
New Delhi
www.delnet.in

Certificate of Membership

This certifies that

Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar

is an Institutional Member of

DELNET – Developing Library Network

and their bonafide Faculty, Students, Researchers, Scholars and Officials are entitled to all benefits and privileges of access to DELNET Resources and Services.

Membership Number ***IM – 6829*** has been renewed and next renewal is due on March 20, 2024

DELNET-DEVELOPING LIBRARY NETWORK
CERTIFIED
PRINCIPAL SCSMCOE
TRUE COPY

Dr. Sangeeta Kaul
Director
DELNET, New Delhi

Date of Issue: April 5, 2023

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

No.: **Receipt No./79982/2023-24** Dated **22-Mar-24**

DELNET- Developing Library Network
Jawaharlal Nehru University Campus
Nelson Mandela Road, Vasant Kunj
New Delhi-110070
State Name : Delhi, Code : 07

Receipt

Received with thanks from : **SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGG.**
SURVEY NO. 162-163, NAGAR-KALYAN ROAD,
NEPTI, AHMEDNAGAR (MS) - 414005
[DELNET MEM NO. IM-6829]

The sum of : **Indian Rupees Thirteen Thousand Five Hundred Seventy Only**

By : SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGG.; Punjab National Bank (India)
Inter Bank Transfer PUNBT24082302501 22-Mar-24 **13,570.00**

Remarks : **AMOUNT RECEIVED TOWARDS ANNUAL INSTITUTIONAL MEMBERSHIP FEES FOR THE PERIOD 21-03-2024 TO 20-03-2025**

Au :atory

****₹ 13,570.00/-**

***Subject to Realisation*

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PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

Dr. Sangeeta Kaul
Director

DELNET
Developing Library Network
J.N.U. Campus, Nelson Mandela Road
Vasant Kunj, New Delhi 110070, India
Tel: 91-11-26742222, 26741266
91-9810329992 (Mobile)
E-mail: sangs@delnet.ren.nic.in,
sangs@delnet.in,
sangskaul2003@yahoo.co.in
Web: www.delnet.in

DELNET/IM-6829/mhSCSMCE/MEM/2024 March 22, 2024

Sub: DELNET Membership Renewal

Dear Prof. Suroshi,

We acknowledge with thanks the receipt of ₹ 13,570 (₹ Thirteen Thousand Five Hundred Seventy only) received through NEFT dated 22.3.2024 made towards the DELNET Annual Institutional Membership Fee for the period 21.3.2024 to 20.3.2025. The receipt no. 79982 dated 22.3.2024 is enclosed for the office records.

You are requested to access DELNET databases through the World Wide Web using the following procedure:

Web Address: http://www.delnet.in

Kindly click onto "New Discovery Portal". Since the IP address provided by you is registered with us, you should be able to open the landing page without login prompt. Please let us know if you encounter any difficulty.

We are also glad to provide the following login & password for accessing DELNET remote:

Login : mhscsmce
Password : scs6829

Kindly note your Inter Library Loan (ILL for Books) Password is **"mhscsmcelib"** to be used while registering a request. You are also welcome to send us the bibliographical references at **sangs@delnet.ren.nic.in, sangskaul2003@yahoo.co.in** for the resources needed by you. We will try our best to locate these resources. We would like to inform you that DELNET has launched WEBVIEW Youtube channel which contains a large number of video recordings of Webinars organised by DELNET including sessions on DELNET resources and services. The link is available at the Discovery Portal. We would further like to inform you that Usage Report can be generated through **"USAGE STATISTICS"** link which appears at the top side of the landing page of the discovery portal. Kindly use the password as **6829***1992** to download the pdf, containing usage report of your institution.

I would like to mention that DELNET provides access to more than 3.8 crore catalogue records of books, journals, articles, etc. through Discovery Portal and also more than one crore and fifty lakh full-text e-books, e-journals & e-articles through *Knowledge Gainer Portal*. We are pleased to inform you that DELNET has also recently launched ViSiOn Portal which contains Video Recordings of Lectures on varied subjects. We request you to kindly contribute the video lectures of the Faculty Members of your Institution. Kindly contact us for further assistance. DELNET also provides Delplus software free of charge for library automation purpose. DELNET Guest House facility at New Delhi can also be availed by member-libraries on payment basis. Also, we are pleased to inform you that DELNET has developed DELDReSS Portal exclusively for Schools, which is of great relevance to the School students, teachers and administrators.

We would also like to mention that DELNET offers DrillBit software for plagiarism detection for an annual subscription of Rs 48,000 (inclusive of GST) for 300 documents checking.

I would also like to inform you that DELNET shall be glad to organise a one hour webinar on DELNET Networked Resources and Services at a mutually convenient date and time for the students, faculty, researchers and scholars of "Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar, Maharashtra". It will help in the effective utilisation of DELNET resources and services.

I am enclosing a poster on DELNET and a Certificate of Membership. Please kindly let us know if you wish to get any books on ILL or the journal articles.

With kind regards,

Yours sincerely,

Sangeeta Kaul

Prof. S. P. Suroshi
Librarian
Shri Chhatrapati Shivaji Maharaj College of Engineering
Survey No. 162-163, Nagar-Kalyan Road, NEPTI
Ahmednagar-414005
Maharashtra

Encl: (1) Receipt no. 79982 dated 22.3.2024 of ₹ 13,570
(2) Tax Invoice
(3) DELNET Poster
(4) Certificate of Membership

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PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

Tax Invoice

DELNET- Developing Library Network
Jawaharlal Nehru University Campus
Nelson Mandela Road, Vasant Kunj
New Delhi-110070
GSTIN/UIN: 07AAAAD2288G1ZV
State Name : Delhi, Code : 07

Invoice No.	Dated
DEL/2023-24/5377	**22-Mar-24**
	Mode/Terms of Payment
DELNET MEM. No.	Other References
IM-6829 dt. 22-Mar-24	
Buyer's Order No.	Dated
Terms of Delivery	

Buyer (Bill to)
SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGG.
SURVEY NO. 162-163, NAGAR-KALYAN ROAD,
NEPTI, AHMEDNAGAR (MS) - 414005
[DELNET MEM NO. IM-6829]
State Name : Maharashtra, Code : 27
Place of Supply : Maharashtra

Sl No.	Particulars	HSN/SAC	GST Rate	Rate	per	Amount
1	**IM FEE 2024-2025**	998431	18 %			**11,500.00**
						11,500.00
	IGST PAYABLE			*18*	%	**2,070.00**
	Total					**₹ 13,570.00**

Amount Chargeable (in words) *E. & O.E*
Indian Rupees Thirteen Thousand Five Hundred Seventy Only

HSN/SAC	Taxable Value	IGST Rate	IGST Amount	Total Tax Amount
998431	11,500.00	18%	2,070.00	2,070.00
Total	**11,500.00**		**2,070.00**	**2,070.00**

Tax Amount (in words) : **Indian Rupees Two Thousand Seventy Only**

DELNET's Bank Details
Bank Name : **Cental Bank of India**
A/c No. : **1065410992 (Saving Bank)**
Branch & IFS Code : **Khan Market Branch & CBIN0280310**

for DELNET- Developing Library Network

Company's PAN : **AAAAD2288G**

Authorised Signatory

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of Engineering, Nepti, Ahmednagar

DELNET

Developing Library Network
New Delhi
www.delnet.in

Certificate of Membership

This certifies that

Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar

is an Institutional Member of

DELNET – Developing Library Network

and their bonafide Faculty, Students, Researchers, Scholars and Officials are entitled to all benefits and privileges of access to DELNET Resources and Services.

Membership Number ***IM – 6829*** has been renewed and next renewal is due on March 20, 2025

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PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

Dr. Sangeeta Kaul
Director
DELNET, New Delhi

Date of Issue: March 22, 2024

DELNET

Knowledge flows through delnet, Access it

DELNET Databases

- Union Catalogue of Books (4,01,18,276 records)
  - Union List of Journals (1,12,507 records)
    - Union Catalogue of Journals (62,778 records)
      - Articles Database (11,24,250 records)
        - Union List of CD-ROMS (70,670 records)
- Database of Theses and Dissertations (1,48,995 records)
  - Union List of Video-Recordings (6,000 records)
    - Union List of Sound-Recordings (1,025 record)
      - Full-Text Medical Books & E-Journals

- E-Journals — Engineering & Technology, Management, Pharmacy Education, etc
  - E-Journals & E-books Consortium
- Cambridge Dictionary Online
  - MEDLINE and Other Databases of NLM
    - Networked Digital Library of Theses and Dissertations

DELNET Services

- Document Delivery Services
- Interlibrary Loan (Books)
- Open Source Software Koha
- Library Software Support
- Training Programmes

Total Member Libraries : 8567

(India 8542, Overseas: 25)

DELNET

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J.N.U. Campus, Nelson Mandela Road
Vasant Kunj, New Delhi - 110070
Phone : 91-11-26742222, 26741232, 26741302, 26741246
E-mail : sangs@delnet.ren.nic.in, sangskaul2003@yahoo.co.in
Web : www.delnet.in

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Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

Updated: 20.03.2024

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AN ISO 9001 : 2008 CERTIFIED ORGANISATION

(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)

8 GOKHALE ROAD, KOLKATA - 700 020

"98 Years of Relentless Journey towards Engineering Advancement for Nation-building"

Date: 23/11/2017

To,

SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGINEERING
SURVEY NO 162 AND 163,
NEPTI, NAGAR-KALYAN ROAD
AHMEDNAGAR,
MAHARASHTRA
414005

Sub: Free e-access of IEI journals for Institutional Member

Dear Sir/Madam,

We are pleased to inform you that The Institution of Engineers (India) has revamped its website and the free e-access to IEI journals has been made available through the login area. Being our valued Institutional Member the facility to e-access the IEI Springer Journal series has also been extended to you in an organised and secure way.The Login credentials for your Institute / Organization are given below:

	Login Id	Password
Admin Login	**IM0005039**	**IM0005039**
Sub Login - 1	**C10005039**	**C10005039**
Sub Login - 2	**C30005039**	**C30005039**
Sub Login - 3	**C40005039**	**C40005039**
Sub Login - 4	**C20005039**	**C20005039**

Please note that only Administrator has the right to change the password of all sub-logins, including admin itself. For change of password the steps are as follows:

Step1: Login Into IEI Website (www.ieindia.org) using above mentioned Admin Login & Password
Step2: Click on "**Manage**" option of Left Menu bar à "**Users Account**" à "**Change Password**".

You are further requested to change the default password provided after first login.

For any query regarding the above, please contact us through IVRS:(033)40155400 or membership@ieindia.org.

(Please note Email ID and Mobile number is Mandatory for all Institutional Member for e-Access of IEI Springer Journal series,you are requested to update the same during your admin login.)

With Regards

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Librarian

Director (Membership)

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

No.: 1977 Dated 30-Jan-2024

IETE HQ
2, Institutional Area, Lodhi Road, New Delhi-110003
State Name : Delhi, Code : 07
E-Mail : asfiete@gmail.com

Receipts(Online) Voucher

Received with thanks from : **SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGINEERING--MAHARASHTRA**

The sum of : **Indian Rupees Fifteen Thousand Only**

By : Cheque/DD
Remarks : **SUBS NO. J-0264 (JAN-DEC 2024) FOR IETE JR/ TR/ JE online ref id no. NEFT-PUNB -PUNBH24030359089SHRI CHHAT-**

Authorised Signatory

**₹ 15,000.00/-

**Subject to Realisation*

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Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

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रेसिडेन्शिअल हायस्कूल, ता. नगर जि. अहमदनगर 414001

Email Id - shivaji.bhandar@gmail.com Phone No. - 0241-2323490

GSTIN - 27AAABS0396P1ZW

INVOICE

Date - 19/03/2024

Cash/Credit - Credit

Bill No - **3701**

Customer - **Principal/Jr College/H.M. /Superintendent - Shri Chhatrapati Shivaji Maharaj Engineering College, Nepti, Ahmednagar**

proshant / 3116

Sr. No.	Material Name	HSN	Qty	Rate	Taxable Amount	SGST		CGST		Sales Amount
						GST	Amount	GST	Amount	
1	Development of enterpreneurship		3	880.00	2640.00					2640.00
2	Programming with Java		3	750.00	2250.00					2250.00
3	Cloud Computing Simplified		3	799.00	2397.00					2397.00
4	Cloud computing		3	899.00	2697.00					2697.00
	Total				9984.00					9984.00

Library Akl

24/1/24

Taxable Amount : 8986.00	SGST : 0.00	CGST : 0.00	Total GST : 0.00	Discount : 998.40

In Word : Eight Thousand Nine Hundred Eighty Six Rupees Only

Sale Amount : ₹ 8986.00

Receiver's Signature

For श्री शिवाजी मध्यवर्ती सहकारी ग्राहक भांडार लि. अहमदनगर

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Bill No - **3703**

Customer - **Principal/Jr College/H.M. /Superintendent - Shri Chhatrapati Shivaji Maharaj Engineering College, Nepti, Ahmednagar**

prashant / 3114

Sr. No.	Material Name	HSN	Qty	Rate	Taxable Amount	SGST		CGST		Sales Amount
						GST	Amount	GST	Amount	
1	Engineering Geology		3	675.00	2025.00					2025.00
2	Project planning and control with PERT and CPM		3	299.00	897.00					897.00
3	Project management principles & techniques		3	1880.00	5640.00					5640.00
4	Total engineering quality management		3	375.00	1125.00					1125.00
5	The 7 Habbits of Highely Effective People		1	599.00	599.00					599.00
6	How to win feiends and influence people		1	195.00	195.00					195.00
	Total				10481.00					10481.00

Library

Taxable Amount : 9433.00	SGST : 0.00	CGST : 0.00	Total GST : 0.00	Discount : 1048.10

In Word : Nine Thousand Four Hundred Thirty Three Rupees Only

Sale Amount : ₹ 9433.00

Receiver's Signature

For श्री शिवाजी मध्यवर्ती सहकारी ग्राहक भांडार लि. अहमदनगर

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Date - 27/03/2024

Bill No - **3697**

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prashant / 3175

Sr. No.	Material Name	HSN	Qty	Rate	Taxable Amount	SGST		CGST		Sales Amount
						GST	Amount	GST	Amount	
1	Practical C programming		3	1300.00	3900.00					3900.00
2	Learning python		2	2350.00	4700.00					4700.00
	Total				8600.00					8600.00

Library 21/4/24

21/4/2024

Taxable Amount : 7740.00	SGST : 0.00	CGST : 0.00	Total GST : 0.00	Discount : 860.00

In Word : Seven Thousand Seven Hundred Forty Rupees Only

Sale Amount : ₹ 7740.00

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Bill No - **3698**

Customer - **Principal/Jr College/H.M. /Superintendent - Shri Chhatrapati Shivaji Maharaj Engineering College, Nepti, Ahmednagar**

prashant / 3176

Sr. No.	Material Name	HSN	Qty	Rate	Taxable Amount	SGST		CGST		Sales Amount
						GST	Amount	GST	Amount	
1	Using SQ lite		3	1750.00	5250.00					5250.00
2	Natural Language Processing with python		2	1750.00	3500.00					3500.00
3	Arduino cookbook		3	2600.00	7800.00					7800.00
4	Linus system administration		5	1050.00	5250.00					5250.00
	Total				21800.00					21800.00

Taxable Amount : 19620.00 | SGST : 0.00 | CGST : 0.00 | Total GST : 0.00 | Discount : 2180.00

In Word : Nineteen Thousand Six Hundred Twenty Rupees Only

Sale Amount : ₹ 19620.00

Receiver's Signature

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Email Id - shivaji.bhandar@gmail.com Phone No. - 0241-2323490

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INVOICE

Date - 19/03/2024

Bill No - **3699**

Customer - **Principal/Jr College/H.M. /Superintendent - Shri Chhatrapati Shivaji Maharaj Engineering College, Nepti, Ahmednagar**

prashant / 3118

Sr. No.	Material Name	HSN	Qty	Rate	Taxable Amount	SGST		CGST		Sales Amount
						GST	Amount	GST	Amount	
1	Discrete mathematics and its applications		5	1050.00	5250.00					5250.00
2	Discrete mathematical structures		5	830.00	4150.00					4150.00
3	Data structures and algorithm analysis in C++		5	970.00	4850.00					4850.00
4	Let Us Python		5	399.00	1995.00					1995.00
5	C++ how to program		5	1075.00	5375.00					5375.00
6	The complete reference C++		5	995.00	4975.00					4975.00
7	Object oriented programing with C++		5	780.00	3900.00					3900.00
8	Modern operating systems		5	940.00	4700.00					4700.00
9	Fundamentals of Mathematical statistics		3	795.00	2385.00					2385.00
10	Data structures and algoritms		5	1150.00	5750.00					5750.00
11	Software engineering a practitioners approach		5	999.00	4995.00					4995.00
12	Management information systems		5	930.00	4650.00					4650.00
13	Computer graphics with opengl		3	1175.00	3525.00					3525.00
14	Graph theory with applications to engineering and computer science		4	495.00	1980.00					1980.00
15	Software Engineering		5	1055.00	5275.00					5275.00
16	Internet of things a hands on approach		2	950.00	1900.00					1900.00
17	Operating systems internals and design principles		5	990.00	4950.00					4950.00
18	Advanced data structures		5	1050.00	5250.00					5250.00
19	Fundamentals of Data Structures in C++		5	775.00	3875.00					3875.00
20	Data structures and algorithms in Java		5	909.00	4545.00					4545.00
21	Data structures, algorithms and applications in C++		5	695.00	3475.00					3475.00
22	Fundamentals of Software Engineering		5	595.00	2975.00					2975.00

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Email Id - shivaji.bhandar@gmail.com Phone No. - 0241-2323490

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Date - 19/03/2024

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Bill No - **3707**

Customer - **Principal/Jr College/H.M. /Superintendent - Shri Chhatrapati Shivaji Maharaj Engineering College, Nepti, Ahmednagar**

prashant / 3110

Sr. No.	Material Name	HSN	Qty	Rate	Taxable Amount	SGST		CGST		Sales Amount
						GST	Amount	GST	Amount	
1	Engineering graphics		3	324.00	972.00					972.00
2	Mathematics I		3	225.00	675.00					675.00
3	Mathematics II		3	214.00	642.00					642.00
4	संसार के महान गणिततज्ञ		3	1595.00	4785.00					4785.00
5	Communication skills in englisn		3	274.00	822.00					822.00
6	XI Physics (part II) text book		2	120.00	240.00					240.00
7	XII Physic - I		3	195.00	585.00					585.00
8	XII Physic - II		3	140.00	420.00					420.00
9	Applied chemistry (with lab manual)		3	324.00	972.00					972.00
10	Applied Physics-II (with lab manual)		3	298.00	894.00					894.00
11	Fundamentals of ICT (FY. diploma) - sem I		5	265.00	1325.00					1325.00
12	Engineering Graphics (FY. diploma) - sem I		5	215.00	1075.00					1075.00
13	Engineering Graphics (FY. diploma) - sem I		5	295.00	1475.00					1475.00
14	Basic mathematics (FY. diploma) - sem I		5	395.00	1975.00					1975.00
15	Communication skills (FY. diploma) - sem I		5	225.00	1125.00					1125.00
16	Basic science physics & chemistry (FY. diploma) - sem I		5	315.00	1575.00					1575.00
17	Professional communication (FY. diploma) - sem II		5	185.00	925.00					925.00
18	Web page designing (FY. diploma) - sem II		5	255.00	1275.00					1275.00
19	Applied mathematics (FY. diploma) - sem II		5	395.00	1975.00					1975.00
20	Basic electrical & electronics engineering (FY. diploma) - sem II		5	285.00	1425.00					1425.00
21	Programming in C (FY. diploma) - sem II		5	255.00	1275.00					1275.00

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PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

श्री शिवाजी मध्यवर्ती सहकारी ग्राहक भांडार लि. अहमदनगर

रेसिडेन्शिअल हायस्कूल, ता. नगर जि. अहमदनगर 414001

Email Id - shivaji.bhandar@gmail.com Phone No. - 0241-2323490

GSTIN - 27AAABS0396P1ZW

INVOICE

Date - 19/03/2024

Cash/Credit - Credit

Bill No - 3706

Customer - **Principal/Jr College/H.M. /Superintendent - Shri Chhatrapati Shivaji Maharaj Engineering College, Nepti, Ahmednagar**

prashant /3112

Sr. No.	Material Name	HSN	Qty	Rate	Taxable Amount	SGST		CGST		Sales Amount
						GST	Amount	GST	Amount	
1	C++ programming		3	399.00	1197.00					1197.00
2	Data structures using C		3	690.00	2070.00					2070.00
3	Data Structure		3	357.00	1071.00					1071.00
4	Computer Graphics		3	750.00	2250.00					2250.00
5	Java 8 programming black book		1	699.00	699.00					699.00
6	Unix concepts and applications		3	1070.00	3210.00					3210.00
7	Operating System		3	390.00	1170.00					1170.00
8	Digital electronics		3	759.00	2277.00					2277.00
9	Internetworking with Tcp Ip (vol.I)		3	940.00	2820.00					2820.00
10	Advanced Java Programming		3	1295.00	3885.00					3885.00
11	Software Testing	49011010	3	1050.00	3150.00					3150.00
12	Software testing Principles and Practices		3	925.00	2775.00					2775.00
	Total				26574.00					26574.00

Library Dept

24/3/24

Taxable Amount : 23917.00 | SGST : 0.00 | CGST : 0.00 | Total GST : 0.00 | Discount : 2657.40

In Word : Twenty Three Thousand Nine Hundred Seventeen Rupees Only

Sale Amount : ₹ 23917.00

Receiver's Signature

For श्री शिवाजी मध्यवर्ती सहकारी ग्राहक भांडार लि. अहमदनगर

CERTIFIED PRINCIPAL SCSMCOE TRUE COPY

Rubicon Solutions - SchoolAccount 3.3.6.0

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

Survey No. 162 & 133, Nepti, Nagar-Kalyan Road, Ahmednagar - 414 005 (Maharashtra)
NAAC 'B+' Grade Accredited Institution, ISO 9001 : 2015 Certified

E-Mail : scsmcoe.anr@hotmail.com
Website : www.scoea.org

University ID - PU/PN/Engg. 121/2011
DTE Code : EN 5382
MSBTE Code - 1953

Tel. No. : 0241-2568383,
Fax : 0241-2568384
scoeanepti
@scsmcoea_amr

Approved by AICTE New Delhi, Govt. of Maharashtra & Recognised by DTE Mumbai & Affiliated to Savitribai Phule Pune University & MSBTE Mumbai.

Ref. No. : SCSMCOE / 202 3 - 202 4 / 726

Date : / / 202

Date 09/03/2024

PURCHASE ORDER

To,
Gadgets Town,
Opposite to Bhoite Clinic,
TV Center Road,
Savedi, Ahmednagar 414003.

Subject: - **Purchase order for E-Content Material.**

Dear Sir,

With reference to your Quotation No. GT/12, dated 23/12/2024, we are pleased to place purchase order as per following details.

Sr. No.	Name of Item	Specification	Quantity	Total price
1	LCD	Size: - 82 inch. Interactive Board	01	Rs.42,000/-
		Projector Model – 808 short view	01	Rs.58,000/-
2	Mike	Hiffin HWM50 Wireless	01	Rs.10,000/-
3	Multimedia Speaker	Philips 5.1 channel Model No. 5158/5557/8000	01	Rs.18,500/-
4	Webcam Stand	Hiffin	01	Rs.09,500/-
5	Webcam	Panasonic V785	01	Rs.49,500/-
			Total	**Rs. 01,87,500/-**

Terms & Conditions:-

1. Above prices are including GST, Service tax etc.
2. Payment will be made after receipt of material in working condition.
3. Delivery on the site before 13/03/2024.

Mr. N. M. Budhwant	Prof. A. K. Kulkarni	Prof. S. M. Walke	Dr. Y. R. Kharde
Prepared by	Checked by	Coordinator	Principal

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PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

PAYMENT RECEIPT

Received with thanks from **Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti** Rupees **1,87,500/-** (In words) **Oner Lakh Eighty Seven Thousand Five Hundred Only** By Cheque No.933968 Dated 13/03/2024 Drawn on **Punjab National Bank, Ahmednagar**

S.V. GURJAR & CO. C.A. FRN: 103468W AHMEDNAGAR

For,
GADGETS TOWN

Proprietor

Gadgets Town

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PRINCIPAL SCSMCOE

PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

TAX INVOICE

Sharp Imaging 7, Vedant Icon, Datta Mandir Road, Premdan Chowk, Near Asian Nobel Hospital, Savedi, Ahmednagar GSTIN/UIN: 27ACCFS4484N1ZH State Name : Maharashtra, Code : 27	**Gadgets Town** savedi, Ahmednagar. 8009609008

Invoice No. **IN1CD5175**	Dated **13-Mar-24**
Delivery Note	Mode/Terms of Payment
Reference No. & Date.	Other References
Buyer's Order No.	Dated
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination
Terms of Delivery	

Buyer (Bill to)

SCSMCOE
SURVEYNO. 162 & 163, NEPTI,
AHMEDNAGAR-KALYAN, ROAD
AHMEDNAGAR, 414005
State Name :Maharashtra, Code : 27

Sl No.	Description of Goods and Services	HSN/SAC	Quantity	Rate (Incl. of Tax)	Rate	per	Disc. %	Amount
1	**Highview Interactive Whiteboard 82"**	96100000	**1 nos**	42,000.00	35,593.22	nos		**35,593.22**
2	**Projector Benq MX808STH** *PDJ8N51025000*	85286200	**1 nos**	57,500.01	44,921.88	nos		**44,921.88**
3	**Camera Panasonic HC-V785GW-K (Movie Camera)** *%DN3DC001053*	85258020	**1 nos**	49,500.00	41,949.15	nos		**41,949.15**
4	**Hiffin Tripod**	96200000	**1 nos**	5,000.00	4,237.29	nos		**4,237.29**
5	**Hiffin Microphone (HWM-50)** *Batch :0abd001*	85181000	**1 nos** 1 nos	9,990.00	8,466.10	nos		**8,466.10**
6	**Philips 5557 80w 5.1 Home Theater Speakers**	85182290	**1 nos**	9,890.00	8,381.36	nos		**8,381.36**
7	**Installation Charges**	995461	**1 nos**	13,620.00	11,542.37	nos		**11,542.37**
								1,55,091.37
	CGST							**16,204.31**
	SGST							**16,204.31**

S.V. GURJAR & CO. FRN : 193488W

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PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar

continued to page number 2

SUBJECT TO AHMEDNAGAR JURISDICTION

This is a Computer Generated Invoice

TAX INVOICE(Page 2)

Sharp Imaging 7, Vedant Icon, Datta Mandir Road, Premdan Chowk, Near Asian Nobel Hospital, Savedi, Ahmednagar GSTIN/UIN: 27ACCFS4484N1ZH State Name : Maharashtra, Code : 27	**Gadgets Town** savedi, Ahmednagar. 8009609008

Invoice No. **IN1CD5175**	Dated **13-Mar-24**
Delivery Note	Mode/Terms of Payment
Reference No. & Date.	Other References
Buyer's Order No.	Dated
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination
Terms of Delivery	

Buyer (Bill to)
SCSMCOE
SURVEYNO. 162 & 163, NEPTI,
AHMEDNAGAR-KALYAN, ROAD
AHMEDNAGAR, 414005
State Name :Maharashtra, Code : 27

Sl No.	Description of Goods and Services	HSN/SAC	Quantity	Rate (Incl. of Tax)	Rate	per	Disc. %	Amount
	Round Off							**0.01**
	Total		**7 nos**					**₹ 1,87,500.00**

Amount Chargeable (in words) *E. & O.E*
INR One Lakh Eighty Seven Thousand Five Hundred Only

HSN/SAC	Taxable Value	CGST Rate	CGST Amount	SGST/UTGST Rate	SGST/UTGST Amount	Total Tax Amount
96100000	35,593.22	9%	3,203.39	9%	3,203.39	6,406.78
85286200	44,921.88	14%	6,289.06	14%	6,289.06	12,578.12
85258020	41,949.15	9%	3,775.42	9%	3,775.42	7,550.84
96200000	4,237.29	9%	381.36	9%	381.36	762.72
85181000	8,466.10	9%	761.95	9%	761.95	1,523.90
85182290	8,381.36	9%	754.32	9%	754.32	1,508.64
995461	11,542.37	9%	1,038.81	9%	1,038.81	2,077.62
Total	**1,55,091.37**		**16,204.31**		**16,204.31**	**32,408.62**

Tax Amount (in words) : **INR Thirty Two Thousand Four Hundred Eight and Sixty Two paise Only**

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
Bank Name :**Kotak Mahindra Bank**
A/c No. :**06952120000273**
Branch & IFS Code :**Ahmednagar & KKBK0000695**

Customer's Seal and Signature

for Sharp Imaging

Authorised Signatory

SUBJECT TO AHMEDNAGAR JURISDICTION

This is a Computer Generated Invoice

A/C
Plz issue
cheque
13/03/2024

(Mrs S. M. Wakle)

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PRINCIPAL
Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar