

NEWSLETTER

SUMMER

2022



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ZEAL POLYTECHNIC, PUNE

Volume No. 2 / Issues 2 /
2021-22



**DEPARTMENT OF
MECHANICAL ENGINEERING**



ABOUT INSTITUTE ZEAL POLYTECHNIC, NARHE, PUNE

Zeal Education Society was established in 1996 with the vision to offer education with a difference, the expert guidance of Hon. Shri. S.M. Katkar, a distinguished industrialist. ZES hosts eight institutes that provide quality education to students from pre- primary to Ph.D. courses.

Zeal Polytechnic started in 2008 and offers Diploma Courses in Mechanical Engineering, Civil Engineering, Computer Engineering, Electronics and Telecommunication Engineering & Electrical Engineering.

The institute aims at providing the students with excellent Infrastructure, state of the art facilities, well-equipped laboratories and a strong force of faculty members. This has resulted in incredible performance of the students continually throughout the years. Recently, our Founder director has been conferred with the 'Icon of Education 'award by Lokmat media group in the presence of Hon. Smt. Smriti Irani, Former HRD Minister, Government of India from Hon. Shri. Vinod Tawde, former Technical Education Minister, Maharashtra State.

Principal's Message

Prof. Ayub A. Tamboli

I am very happy to note that the department of Mechanical Engineering of Zeal Polytechnic is releasing its newsletter enumerating the various activities and achievements of their faculty and students. I take immense pride in acknowledging the outstanding academic achievements of our diploma mechanical engineering students. Your commitment to excellence and the pursuit of knowledge has been commendable. Your academic journey is a testament to the dedication and hard work you have invested in your education. Polytechnic education provides the knowledge and skills required to help revolutionize the world in which we live. The students and faculty of department are proactive in taking initiatives in technical, cultural and social events. I hope this newsletter will serve the purpose of reflecting all activities of this department and it will inspire others to do their best. I express my gratitude to each one of you for your contributions to the success of our diploma mechanical engineering program. Together, let us continue to strive for excellence and innovation I congratulate all the students who have put their efforts in bringing this first issue of newsletter and also appreciate HOD and all faculty members for motivating the students towards this fulfillment. I wish each one of them in the department success in all their endeavors.



Prof. Ayub A. Tamboli
Ph. D Pursuing, ME(HPE), BE(ME)
Principal,
Zeal Polytechnic, Narhe, Pune.



HOD Message

Prof. Rameshwar Khorane

The Department was established as Dnyanganga Polytechnic in 2008. It offers a diploma in mechanical engineering and can accommodate 150 students. We function with the vision that the Department should get recognized as an innovative and leading Mechanical department in Pune region and afar. The department aims at offering students with the high-quality education clubbed with practical exposure that empowers them with the ability to aid the society by their services in the future. The Department aims at making superior diploma engineering professionals through academic brilliance and excellent education. The syllabus in Mechanical Engineering is steered with an extraordinary approach that helps students to meet the modern requirements of industries. To cater to the current advancement in technology, new subjects such as CAD / CAM and Automation, alternative Energy Resources, Material Handling System are also conducted using modernized laboratories and the required infrastructure. A team of well qualified and experienced faculty members forms the backbone of the Department. This team is determined to empower students with sound academic knowledge and practical experience which in turn makes the students ready to face the industry challenges.



Prof. S G. Aghor

HOD, M.E. (Design)

NEWSLETTER COMMITTEE

CHIEF EDITORIAL

PROF. SACHIN SURYWANNSHI

PROF. BALAJI SHINDE

EDITORIAL TEAM

Mr. POMAN PRAJWAL KIRAN

Mr. PHULE YASH RAVINDRA

Mr. SHIKALGAR ARSHADAYUB Mr.

ABDULRASHID

Dear Readers,

As the students contributing to this newsletter, we are excited to bring you a snapshot of our experiences, achievements, and reflections. This edition is a testament to the collective spirit that defines our academic community. Amidst lectures, assignments, and exams, we've found moments of inspiration, collaboration, and growth. Our journey goes beyond textbooks – it's about the friendships formed, the challenges faced, and the victories celebrated together. This newsletter is a canvas where our voices, ideas, and aspirations come to life. It's a platform to share not just our achievements but also the lessons learned along the way. As we navigate the diverse tapestry of student life, we invite you to join us in this narrative. Your stories, insights, and perspectives are vital to the richness of our shared experiences. Let this newsletter be a reflection of our collective journey, a celebration of our achievements, and a reminder of the vibrant community we are privileged to be a part of.

Warm Regards,

The Editorial Team

Mechanical Engineering Students

FACULTY PROFILE

Department of Mechanical Engineering



NAME - Prof.Tamboli Ayub Almso

DEGREE - ME PhD Pursuing

EXPERIENCE - 21 Years

SUBJECTS - Thermal, Heat Transfer, Fluid Mechanics

MAIL ID - ayub.tamboli@zealeducation.com

YEAR - 2021-22



NAME - Mr.Aghor Shashikant Gajanan

DEGREE - M.E. Design

EXPERIENCE - 18 Years

SUBJECTS - SOM, TOM, Design, Drawing, Graphics

MAIL ID -

YEAR - 2021-22



NAME - Mr.Khorane Rameshwar Shankar

DEGREE - ME Heat Power

EXPERIENCE - 20 Years

SUBJECTS - Thermal, Heat Transfer, Fluid Mechanics

MAIL ID - rameshwar.khorane@zealeducation.com

YEAR - 2021-22



NAME - Mr.GadadeTulshiramYashwant

DEGREE - ME Design

EXPERIENCE - 9 Years

SUBJECTS - SOM, TOM, Design, Drawing, Graphics

MAIL ID - tulashiram.gadade@zealeducation.com

YEAR - 2021-22



NAME - Mr.Chandane Amol Manik

DEGREE - ME Thermal

EXPERIENCE - 6 Years

SUBJECTS - Thermal, Heat Transfer, Fluid Mechanics

MAIL ID -

YEAR - 2021-22



NAME - Mr.Pathak Shiram Ramesh Rao
DEGREE - M.Sc. Chemistry
EXPERIENCE - 9 Years
SUBJECTS - Chemistry
MAIL ID - shriram.pathak@zealeducation.com
YEAR - 2021-22



NAME - Mr.Kokare Nilesh Navanath
DEGREE - ME Thermal
EXPERIENCE - 8 Years
SUBJECTS - Thermal, Heat Transfer, Fluid Mechanics
MAIL ID - nilesh.kokare@zealeducation.com
YEAR - 2021-22



NAME - Mr.Kale Shrihari Bapuraoji
DEGREE - ME Design Pursuing
EXPERIENCE - 6 Years
SUBJECTS - SOM, TOM, Design, Drawing, Graphics
MAIL ID - shrihari.kale@zealeducation.com
YEAR - 2021-22



NAME - Mr.Shrivas Shubham Jagdish
DEGREE - BE Mechanical
EXPERIENCE - 2 Years
SUBJECTS - CAD, Graphics, Som, Manufacturing
MAIL ID - shubham.shrivastava@zealeducation.com
YEAR - 2021-22



NAME - Mr.Shinde Balaji Prabhu
DEGREE - ME Design Pursuing
EXPERIENCE - 8 Years
SUBJECTS - SOM, TOM, Design, Drawing, Graphics
MAIL ID - balaji.shinde@zealeducation.com
YEAR - 2021-22



NAME - Mr.Deoghare Mrunal Mohan Rao
DEGREE - ME Design
EXPERIENCE - 6 Years
SUBJECTS - SOM, TOM, Design, Drawing, Graphics
MAIL ID - mrunal.marne@zealeducation.com
YEAR - 2021-22



NAME - Mr.Chaudhari Swapnil Machhindra
DEGREE - M.Tech (IMWCA), Bsc. B.Ed
EXPERIENCE - 4.6 Years
SUBJECTS - maths
MAIL ID - swapnil.chaudhari@zealeducation.com
YEAR - 2021-22



NAME - Mr.Kulkarni Onkar Vitthalrao
DEGREE - M Tech Design
EXPERIENCE - 4 Years
SUBJECTS - SOM, TOM, Design, Drawing, Graphics
MAIL ID - onkar.kulkarni@zealeducation.com
YEAR - 2021-22



NAME - Mr.Pathak Devidas Madhukarrao
DEGREE - ME Design
EXPERIENCE - 18.5 Years
SUBJECTS - SOM, TOM, Design, Drawing, Graphics
MAIL ID - devidas.pathak@zealeducation.com
YEAR - 2021-22



NAME - Mr.Varghe Akshay Prakash
DEGREE - M Tech Design
EXPERIENCE - 3 Years
SUBJECTS - SOM, TOM, Design, Drawing, Graphics
MAIL ID - akshay.varghe@zealeducation.com
YEAR - 2021-22



NAME - Mr.Akale Sugam Bapusaheb
DEGREE - BE Mechanical
EXPERIENCE - 5 Years
SUBJECTS - CAD, Graphics, Som, Manufacturing
MAIL ID - sugam.akale@zealeducation.com
YEAR - 2021-22



NAME - Mr.Yenkar Ravi Gopal
DEGREE - ME Mechanical
EXPERIENCE - 11 Years
SUBJECTS - SOM, TOM, Design, Drawing, Graphics
MAIL ID - ravi.yenkar@zealeducation.com
YEAR - 2021-22



NAME - Dr.Aitavade Eknath Nivrutti

DEGREE - Phd Pursuing

EXPERIENCE - 28 Years

SUBJECTS - SOM, TOM, Design, Drawing, Graphics

MAIL ID - eknath.aitavade@zealeducation.com

YEAR - 2021-22



NAME - Mr.Limaye Shridhar Dattatraya

DEGREE - M.Tech Heat Power

EXPERIENCE - 27 Years

SUBJECTS - Thermal, Heat Transfer, Fluid Mechanics

MAIL ID - shridhar.limaye@zealeducation.com

YEAR - 2021-22



NAME - Mr.Waghmode Shekhar Sukhdev

DEGREE - ME DESIGN

EXPERIENCE - 5 Years

SUBJECTS - SOM, TOM, Design, Drawing, Graphics

MAIL ID - shekhar.waghmode@zealeducation.com

YEAR - 2021-22



NAME - Mr.Naik Ganesh Gorakh

DEGREE - ME Heat Power

EXPERIENCE - Years

SUBJECTS - Thermal, Heat Transfer, Fluid Mechanics

MAIL ID - ganesh.naik@zealeducation.com

YEAR - 2021-22

EXPERT TALK

1. EXPERT TALK ON CAREER OPPORTUNITIES AFTER DIPLOMA IN GOVERNMENT AND SEMI-GOVERNMENT SECTORS

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Expert's Talk

ZEAL POLYTECHNIC, PUNE

PROFESSIONAL

PROGRESS

SUCCESS

CAREER

Speaker
Prof. Pramod Deshkari
Branch Head @ Infinity Engineering Academy
for MES-Maharashtra Engg. Services.

" CAREER OPPORTUNITIES AFTER DIPLOMA IN GOVT AND SEMI SECTORS "

17th March, 2022 | Thursday 02.30 pm to 04.30 pm
Venue : CMS hall, Zeal Polytechnic

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The Mechanical engineering department organized expert talk on 17th March 2022; our institution had the privilege of hosting an expert talk focused on career opportunities for individuals pursuing a diploma, specifically in the government and semi-government sectors. The distinguished speaker, [insert expert's name and designation], brought forth invaluable insights into the diverse avenues available for diploma holders. The discussion centered on the various disciplines and roles within government organizations that actively seek skilled professionals with a diploma background. The expert emphasized the stability, job security, and the potential for career growth in these sectors, shedding light on the specific skill sets and competencies highly valued by government employers. Attendees gained a comprehensive understanding of the application processes, examinations, and eligibility criteria for securing positions in

government and semi-government organizations. The talk not only served as a guiding beacon for those contemplating a career after completing their diploma but also inspired students to explore the multitude of opportunities awaiting them in the public sector. The event concluded with a vibrant Q&A session, allowing participants to seek personalized advice and clarifications. Overall, the expert talk served as a catalyst for informed career choices, empowering students to embark on a promising journey in the government and semi-government sectors. This expert talks successfully completed under coordinator Mr. Nilesh kokare and Prof. Balaji Shinde

2. EXPERT TALK ON UNDERSTANDING SCIENCE WITH SCIENCE TOYS

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Expert's Talk
A webinar Series

ZEAL POLYTECHNIC, PUNE
FIRST YEAR DIPLOMA ENGINEERING

Mr. Rupesh P. Labade
Project Assistant,
IOCAA, PUNE

UNDERSTANDING OF SCIENCE
WITH SCIENCE TOYS

Location: G Building, Drawing hall, 3rd floor

25th March, 2022 | Friday 10.45 AM TO 11.45 AM

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The Mechanical engineering department organized expert talk on March 25th, 2022; our institution organized an engaging expert talk **Mr. Rupesh Labade** focused on "Understanding Science with Science Toys." The featured speaker, a renowned expert in science education, provided an illuminating discourse on the significance of incorporating science toys as effective learning tools. The session aimed to bridge the gap between theoretical knowledge and practical understanding, emphasizing the importance of hands-on experiences in science education. The expert showcased a variety of science toys designed to

make complex scientific concepts accessible and enjoyable for learners of all ages. Attendees gained Valuable insights into how these educational toys can stimulate curiosity, promote critical thinking, and foster a love for science. The expert's interactive demonstrations and explanations demonstrated the potential of science toys in making abstract concepts tangible and promoting a deeper appreciation for the scientific principles that govern our world. The event successfully inspired educators and students alike to explore innovative approaches to learning and teaching science. This expert talks successfully completed under coordinator Mr. Nilesh kokare and Prof. Balaji Shinde.

Guest Lecture

1. LECTURE ON – TOOL AND DIE DESIGN

The Department of Mechanical Engineering organized an Expert Lecture on “**TOOL AND DIE DESIGN**” on 11th March 2022 on class room **Mr. D. K. Mohan** was invited to interact with third Year Mechanical Engineering students, to create awareness about manufacturing. The lecture was Conducted in the presence of the Head of the Department, **Prof. S G Aghor**, and the Subject Teacher **Prof. R. G. Yenkar**. **Prof. S. D. Limaye** welcomed the guest, give introductory speech and importance of webinar on behalf of Department and **Mr. D K Mohan** started the session. Session was conducted for 2 hrs. He managed the webinar effectively. All faculty members of the Mechanical Engineering Department were present online for the session. The lecture was attended by 80 students and was coordinated successfully by **Prof. S. D. Limaye**.



2. LECTURE ON – POWER PLANT ENGINEERING

The Department of Mechanical Engineering organized an Expert Lecture on “**POWER PLANT ENGINEERING**” on 12th March 2022 on Seminar Hall **Mr. ARVIND PARANJAPE** was invited to interact with Second Year Mechanical Engineering students, to create awareness about manufacturing.

The lecture was Conducted in the presence of the Head of the Department, **Prof. S G Aghor**, and the Subject Teacher **Prof. R. G. Yenkar**.

Prof. S. D. Limaye welcomed the guest, give introductory speech and importance of webinar on behalf of Department and **Mr. Arvind Paranjape** started the session. Session was conducted for 2 hrs. He managed the webinar effectively. All faculty members of the Mechanical Engineering Department were present online for the session. The lecture was attended by 80 students and was coordinated successfully by **Prof. S. D. Limaye**.

3. WEBINAR ON – ADVANCEMENT IN IC ENGINES

The Department of Mechanical Engineering organized an Expert webinar on “**ADVANCEMENT IN IC ENGINES**” on 9TH OCT 2021 on google meet link **Mr. SUNJAY HARIP, Sr. Faculty, Government Polytechnic, Pune** was invited to interact with third Year Mechanical Engineering students, to create awareness about Advance technology in IC Engine. The webinar was Conducted in the presence of the Head of the Department, **Prof. Rameshwar Khorane**, and the Subject Teacher **Prof. R. G. Yenkar**.

Prof. Prof. R. G. Yenkar welcomed the guest, give introductory speech and importance of webinar on behalf of Department and **Mr. SUNJAY HARIP** started the session. Session was conducted for 2 hrs. He managed the webinar effectively. All faculty members of the Mechanical Engineering Department were present online for the session. The lecture was attended by 100 students and was coordinated successfully by **Prof. R. G. Yenkar**.

Webinar effectively. All faculty members of the Mechanical Engineering Department were present online for the session. The lecture was attended by 200 students and was coordinated successfully by **Prof. Ganesh Naik**.

DEPARTMENTAL ACTIVITIES

1. Mechanical Engineering Student Associations (MESA)

Committee Formation of MESA-

MESA 2021-22

(MECHANICAL ENGINEERING STUDENTS ASSOCIATION)

OFFICIAL ORDER

As Per the Interview Conducted for MESA Committee Membership, Following Candidates have been Appointed for Smooth and Effective Conduction of The MESA's Events for A.Y. 2021-22.

MESA COMMITTEE MEMBERS

SR NO.	DESIGNATION	NAME OF STUDENT	CONTACT NUMBER	CLASS
1	PRESIDENT	CHITNIS GAURANG PRASHANT	8669355078	TYME
2	VICE-PRESIDENT	PHUTANE VISHWESH YOGENDRA	9421052022	SYME
3	SECRETARY	BHALERAO CHINMAY SACHIN	8329495144	TYME
4	JOINT SECREATORY	PHULE YASH RAVINDRA	9028287007	SYME
5	TREASURER	BORKAR VAISHNAVI SATISH	9307982886	TYME
6	EVENT COORDINATOR	ASHLESHA MANISH MANDHARE	9623832819	FYME
7	SOCIAL MEDIA COORDINATOR	SHETE SAISH AMIT	9028485896	SYME
8	EVENT PUBLICITY COORDINATOR	GIRI PRATIKSHA NAVANATH	9184034654	SYME
9	STUDENT SPORTS COORDINATOR	HAWALDAR SUMIT SATISH	8605679812	SYME

MESA Chairman – Prof. Rameshwar Khrorane

MESA Coordinator – Prof. Sachin Surywanshi (8669900048)

MESA Mentor- Prof. Shubham Shrivastava (8669900052)




2. MESA INAGURTION CEREMONY


Mechanical Engineering Student Association (MESA) inauguration ceremony was conducted on 26/03/2022 in our campus. The ceremony was conducted in presence of Prof Rameshwar Khorane, Prof. S.G. Aghor (HOD), Prof Sachin Surywanshi (Coordinator of MESA), Chief Guest Mr. Raghwan Koli – Motivational Speaker, Departmental all Faculties and Students.

MESA Inauguration ceremony was held in Central Auditorium Hall of Zeal Education Society. The ceremony commenced with welcome speech by Prof Shubham Shrivastava, MESA Mentor welcomed all the dignitaries and gave all outline of the ceremony. Mr Raghwan Koli- Motivational Speaker, gave the information and motivated to students for their future career, life skill tricks to maintain positive approach towards the goal. After the speech, brief introduction of MESA committee member was given by Prof. Shubham Shrivastava through power point presentations. Felicitation of member was done by MESA Chairperson Prof. S. G. Aghor and Chief guest Mr Raghwan Koli. Next of these cultural activities are performed by students as per outline of the programme. Core committee of MESA actively participated and



conducted programme. At the end of the programme Prize distribution activities conducted by chair persons and HOD. Prizes given to MSBTE Topper classwise student of Mechanical Department. The program ended successfully with a vote of thanks given by Mr S G. Aghor. The program was coordinated by MESA core committee members.



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ZEAL POLYTECHNIC, PUNE
Department of Mechanical Engineering
In Association with
Mechanical Engineering Student Association (MESA)
Organizes

Prarambha 2022

DATE : 26th March 2022 | VENUE : CSMA Auditorium | TIME : 2pm onwards

Chief Guest
MR. RAGHAVAN KOLI
Motivational Speaker



3. SHIV JAYANTI -2022





SHIV JAYANTI -2022- SUMMER

Report writing to provide a comprehensive report on the Shiv Jayanti Celebration held on [19/02/2021] organized by the Mechanical Department students of our esteemed institution. The event aimed not only to commemorate the birth anniversary of the great Maratha warrior, CHHATRAPATI SHIVAJI MAHARAJ, but also to foster a sense of unity, cultural awareness, and patriotism among the students. The Shiv Jayanti celebration was a resounding success, marked by fervent enthusiasm and vibrant displays of cultural pride. The day commenced with a grand procession through the streets, where participants, adorned in traditional attire, recreated scenes from the life of Chhatrapati Shivaji Maharaj. The air resonated with the beats of traditional music, and the streets were lined with spectators, captivated by the colorful spectacle. The statues and portraits of Shivaji Maharaj were beautifully decorated with flowers and lights, reflecting the reverence and admiration for the great Maratha warrior king. Cultural programs, including traditional dances and folk music performances, added a touch of artistic flair to the festivities, showcasing the rich heritage of Maharashtra. Educational seminars and exhibitions provided insightful glimpses into Shivaji Maharaj's military strategies and administrative prowess, fostering a deeper understanding of his historical significance. The community came together for worship and prayers at Shivaji Maharaj temples, creating a sense of spiritual unity. The day culminated in joyous community feasts, symbolizing the spirit of sharing and solidarity. The hoisting of the Bhagwa flag at public places served as a poignant reminder of the indomitable spirit of the Maratha Empire. Overall, the Shiv Jayanti celebration was a harmonious blend of cultural reverence, historical reflection, and communal joy.

4. PARENTS MEETING-

The Department of Mechanical Engineering organized an Parents Meeting of the semester on 15th APRIL 2022 in the class room for All Mechanical Engineering Students FY, SY, TY. Objective of the meeting is Result Analysis of UNIT TEST 1, Attendance of Students and Importance of UNIT TEST 2 and Attendance. Parents Meeting hosted by departmental head Prof. Rameshwar Khorane. HOD and Class Teacher interacts with parents. Meeting held at 2.00 pm onwards. More than 100 student's parents attended this meeting



5. TWO DAYS AUTOMOTIVE WORKSHOP

ZEAL INSTITUTE 25th ANNIVERSARY
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ZEAL POLYTECHNIC, PUNE
Department of Mechanical Engineering

Two days orientation workshop on
AUTOMOTIVE TECHNOLOGY & PRACTICE
for Third Year Diploma Students
in association with
MECHATROL PRODUCT ENGINEERING SOLUTIONS PVT. LTD
AUTO SERVICE TECHNICIAN (NSDC INDIA, YES)

SESSION - 1
12/03/2022
10.30am to 03.00pm

SESSION - 2
19/03/2022
10.30am to 03.00pm

AMOL JADHAV
Certified Trainer (ASOC)
Sr. Facilitator @ Tata STRIVE

For further details contact : 9822345269
Free Workshop With E-certificate

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The department of Mechanical Engineering conducted a one day orientation Workshop on "Automotive Technology and Practices" at 12th April 2022 and 19th March 20122 for the students of final year Diploma Students of Mechanical Engineering. This workshop ultimately helps students for understanding complete engine assembly including gearbox, clutch prates and breaking system of two wheeler and four wheeler vehicle.

Mr. Amol Jadhav, Sr. Facilator at TATA Strive ZCOER Narhe, Pune conducted the workshop. He highlighted all assembly components of 4 stroke petrol Engine which include multiplate clutch assembly, gear box assembly, Carburettor assembly, and drum breaking system. This workshop covers two practical of power Engineering and four practical of Automobile Engineering. The practical are as follows,

1. Assembly and disassembly of 4-stroke engine.
2. Assembly and disassembly of carburettor.
3. Dismantle and assemble of multi plate clutch system.
4. Dismantle and assemble of Gearbox arrangement.
5. Dismentle and assemble of break system and observe the various components

Prof. S. S. Surywanshi and Prof. B P Shinde took efforts to coordinate the workshop smoothly and successfully.

6. ISHRAE PROJECT FUNDING RUPEES Rs. 20,000.

Under ISHRAE Pune Chapter, Rotary Club of Poona North and ACR Project Consultants Pvt.Ltd organized project competition in 2022. The Mechanical engineering department ISHRAE Student Ravi and Ganesh was participated in this competition and selected best project awardees among 12 colleges. Rotary Club of Poona North and ACR Project Consultants Pvt.Ltd. Was give Rs. 10000/- per Candidate under for Innovative Funding Project Awardees,

Project Name is “PERFORMANCE ANALYSIS OF THE AIR CONDISIONED FAN USING PELTIER COOLER AND THERMAL ENERGY STORAGE SYSTEM”

Awardees,

1. RAVI ASHOK GURAV (TYME)
2. GANESH VIJAY WAGH (TYME)



7. SPORTS ACTIVITIES



The Mechanical Department of Zeal Institute organized on April 7th, 2022, an exhilarating day of sports activities at the Zeal Institute Ground, showcasing a diverse array of both indoor and outdoor sports. The event aimed to promote a sense of camaraderie, physical fitness, and sportsmanship among students, faculty, and staff.

The day commenced with an enthusiastic opening ceremony, marked by the lighting of the sports torch and a motivating speech from the head of the Mechanical Department. The sports activities encompassed a wide range of disciplines, including cricket, football, badminton, table tennis, and chess, catering to various interests and skill levels. The zeal and competitive spirit displayed by the participants were commendable, creating an electrifying atmosphere throughout the day. The cricket and football matches were particularly intense, with teams showcasing their talent and teamwork. Simultaneously, the indoor sports, such as badminton and table tennis, witnessed fast-paced and skillful exchanges. The chess tournament provided a quieter but equally captivating experience, engaging the strategic minds of the participants. The event successfully blended physical and mental prowess, reflecting the holistic approach to education promoted by the institute.

Amidst the spirited competitions, there were moments of camaraderie and sportsmanship, emphasizing the importance of teamwork and mutual respect. The event also served as a platform for students to

unwind, relax, and forge stronger bonds outside the academic realm.

The closing ceremony brought the day to a vibrant conclusion, with winners and participants acknowledged and awarded for their outstanding performances. The event not only contributed to the physical well-being of the participants but also fostered a sense of community within the Mechanical Department.

In conclusion, the Sports Activities held on April 7th, 2022, at Zeal Institute Ground were a resounding success, promoting a healthy blend of competition, teamwork, and enjoyment. Such events play a crucial role in enhancing the overall educational experience by emphasizing the significance of physical fitness and sportsmanship in the academic journey.

SOCIAL ACTIVITIES

1. Awareness Program- Technical Higher Education-2022-

The Mechanical Engineering present a report on the "Awareness Program for SSC Students" organized at Garvare School on [January-2022]. The program aimed to provide valuable information, guidance, and motivation to the students appearing for the SSC (Secondary School Certificate) examinations, also importance of technical educations and various scholarship benefits. Engaging expert talks on technical higher education can be immensely beneficial for SSC (Secondary School Certificate) students as they contemplate their academic and career paths. These talks serve as insightful guides, shedding light on the significance and opportunities within technical higher education. Experts in the field can articulate the dynamic nature of technical education, emphasizing its practical applications in various industries. They may underscore the importance of pursuing specialized knowledge, not only for personal growth but also for contributing to technological advancements and societal progress.

These expert talks can provide valuable information about the diverse range of technical fields available, such as engineering disciplines, information technology, healthcare, and applied sciences. As technology advances, students pursuing technical higher education are encouraged to stay abreast of the latest developments, fostering a mindset of innovation and adaptability. Practical insights into industry demands, potential career trajectories, and the value of hands-on experience through internships or projects can be shared during these talks. The speakers may discuss the importance of professional accreditation, highlighting how accredited programs enhance the credibility of a student's education and qualifications.

In conclusion, expert talks on technical higher education for SSC students serve as a bridge

between their current academic journey and the professional landscape they may enter. These talks offer inspiration, guidance, and practical advice, equipping students with the knowledge and motivation needed to make informed decisions about their future educational and career paths.



2. COVID VACCINATION EVENT FOR 15 to 18 YEAR OLD STUDENTS

On January 21, 2022, a significant and timely COVID vaccination event was organized specifically for students aged 15 to 18 years old. This initiative aimed to contribute to the broader public health effort by vaccinating a crucial demographic and fortifying the collective defense against the ongoing pandemic. The event, marked by a spirit of community responsibility, provided a streamlined and accessible platform for eligible students to receive their COVID vaccinations. Health professionals and volunteers worked seamlessly to ensure a smooth process, addressing any concerns and fostering a supportive environment for the young recipients. The event not only prioritized the health and safety of the students but also contributed to the larger goal of achieving widespread immunity. By targeting this age group, organizers recognized the importance of safeguarding educational environments and empowering students to actively participate in the fight against the pandemic. Such events are pivotal in creating a resilient and protected community, reinforcing the collaborative efforts needed to overcome the challenges posed by the global health crisis.



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महाराष्ट्र शासन सार्वजनिक आरोग्य विभाग, पुणे महानगरपालीका, पुणे व झील एज्युकेशन सोसायटी यांच्या संयुक्त विद्यमाने

15 ते 18 वयोगटासाठी मोफत कोविड-19 लसीकरण मोहीम



दिनांक : 22 जानेवारी 2022

वेळ : सकाळी 10.00 ते दुपारी 03.00

स्थळ : सी. एस. एम. ए. , झील नहे कॅम्पस , पुणे



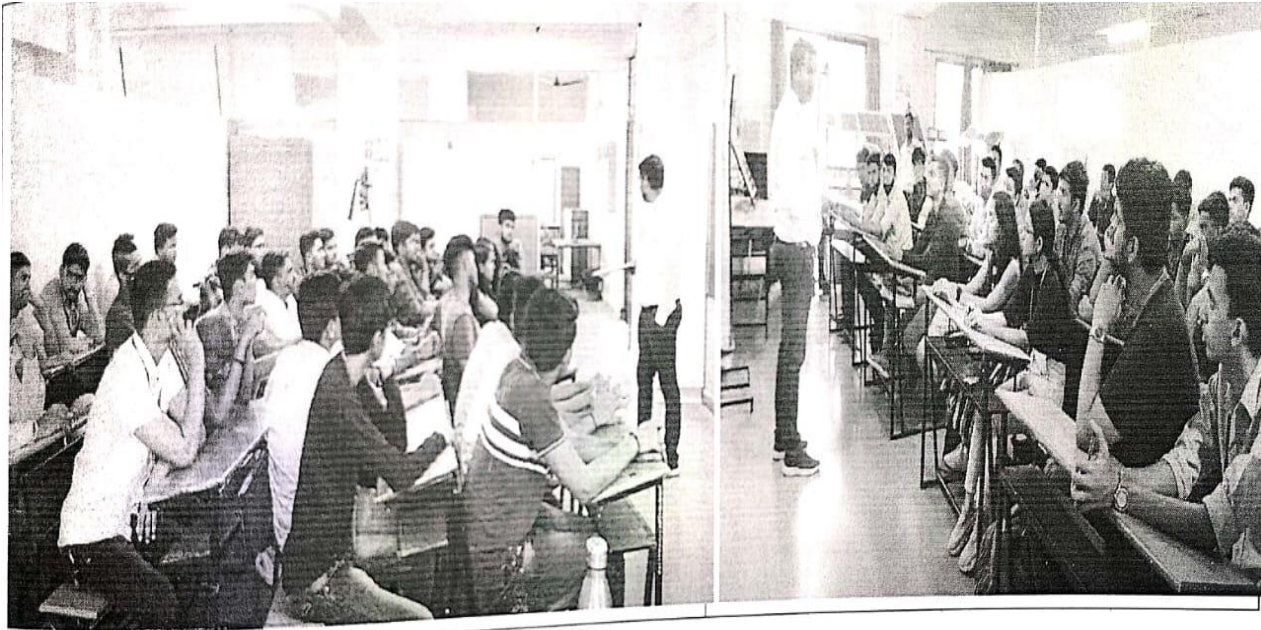
- लसीकरणास येताना सोबत आधारकार्ड / ओळखपत्र आणावे.
- पहिला डोस घेण्यासाठी वय 15 वर्ष पूर्ण असणे आवश्यक आहे.
- मास्कचा वापर, सोशल डिस्टन्सिंग, सॅनिटायझेशन बाबतच्या नियमांचे पालन करावे.
- www.cowin.gov.in वर नोंदणी आवश्यक आहे.

Polytechnic : 9922267979
Junior College : 99216 77904
ITI : 7798000930



INDUSTRIAL VISIT

1. VISIT TO SOLAR PHOTO VOLTIC CELL SYSTEM AT ZEAL ITI, PUNE



The mechanical engineering department arranged visit on April 29, 2022, an insightful and educational session on solar photovoltaic cells took place at Zeal ITI College, specifically designed for third-year mechanical diploma students. The event aimed to broaden the students' understanding of renewable energy sources, with a focus on solar power and its application in the realm of mechanical engineering.

The session commenced with an overview of solar photovoltaic cells, elucidating the

fundamental principles behind their functionality.

Students gained valuable insights into the conversion of sunlight into electrical energy and the significance of this process in the context of sustainable energy solutions. The instructor emphasized the role of mechanical engineers in designing and implementing solar-powered systems, highlighting the importance of interdisciplinary knowledge in addressing contemporary energy challenges. As the session progressed, participants were introduced to the various components of a solar photovoltaic system, including solar panels, inverters, and energy storage solutions. Practical demonstrations and case studies were incorporated to illustrate real-world applications and the integration of solar technology in mechanical engineering projects. This hands-on approach allowed students to connect theoretical concepts with practical implementation, fostering a deeper understanding of the subject matter. Furthermore, the session addressed the environmental benefits of solar energy, emphasizing its role in mitigating climate change and reducing dependence on conventional fossil fuels. The discussion also delved into the economic aspects of solar power, exploring the potential for job creation and economic growth in the renewable energy sector.

A highlight of the event was a visit to the on-campus solar installation, where students had the opportunity to observe a functioning photovoltaic system. This practical exposure enabled them to witness the components in action and gain a first-hand understanding of the engineering principles involved.

In conclusion, the solar photovoltaic cell session at Zeal ITI College on April 29, 2022, provided third-year mechanical diploma students with a comprehensive overview of solar energy and its applications. The combination of theoretical knowledge, practical demonstrations, and a visit to the solar installation contributed to a holistic learning experience. This initiative not only enriched the students' academic knowledge but also instilled a sense of responsibility towards sustainable and eco-friendly engineering practices, preparing them for the challenges and opportunities in the evolving field of renewable energy.

TRAINING AND PLACEMENT ACTIVITIES**MECHANICAL ENGINEERING 2021-22(PLACEMENT SUMMARY)**

SR NO	REF .NO	NAME OF THE STUDENT PLACED	ENROLLMENT NO.	NAME OF THE EMPLOYER
1	C1	INAMDAR TAUFIK HIDAYTTULLA	1809880436	NEMADE ENGINEERS PVT.LTD
2	C2	VIVEK KUMAR	1909880371	YAZAKI , RANJANGAON PUNE
3	C3	KARALE SAINATH PANDURANG	2009880738	COGEME PRECISION PARTS PVT LTD
4	C4	GURAV RAVI ASHOK	2009880740	BAJAJ AUTO LTD
5	C5	MARGALE DHANAJI SHIVAJI	2009880745	MICRO SUPREME AUTO INDUSTRIES PVT LTD
6	C6	PARULEKAR ATISH JEEVAN	2009880760	INDO GERMAN TOOL ROOM AURANGABAD
7	C7	DATIR GORAKH BABURAV	2009880767	PRAVARA RURAL HOSPITAL AHMEDNAGAR
8	C8	SWAMI AJAY VYANKATESH	2009880844	SUTTATTI ENTERPRISES PVT.LTD.
9	C9	CHAUDHARI OMKAR BABASAHEB	2009880848	MAHINDRA AND MAHINDRA LTD.

MECHANICAL ENGINEERING 2021-22 (ENTREPRENEURSHIP SUMMARY)

SR. NO	REF NO	NAME OF THE STUDENT	ENROLMENT NO.	NAME OF THE COMPANY
1	E1	PASALKAR RUTVIK SANJAY	1909880426	RUDRANSH MOTOR DRIVING SCHOOL, AMBEGAON-PUNE
2	E2	RAKH OMKAR SANDIPAN	2009880752	ISHWAR AUTO WORKS

ACADEMIC ACHIVEMENTS OF STUDENTS**1. Topper List First Year Mechanical Engineering Students 2021- Winter**

Winter 2021	Sem I	Enrolment Number	Candidates Name	Total marks	Total marks obtained	percent	Result (Class)
		2109880562	CHAVHAN DEEPAK DEVIDAS	700	607	86.714	DISTINCTION
		2109880598	JOSHI JAY VIJAY	700	606	86.571	DISTINCTION
		2109880597	JOGLEKAR RUSHIKESH VINAY	700	597	85.286	DISTINCTION

2. Topper List Second Year Mechanical Engineering Students 2021- Winter

Winter 2021	SEM III	Enrollment Number	Candidates Name	Total marks	Total marks obtained	percent	Result (Class)
		2009880164	POMAN PRAJWAL KIRAN	950	802	84.421	DISTINCTION
		2009880137	PHULE YASH RAVINDRA	950	787	82.842	DISTINCTION
		2109880795	SHIKALGAR ARSHADAYUB ABDULRASHID	950	783	82.421	DISTINCTION

3. Topper List Third Year Mechanical Engineering Students 2021- Winter

Winter 2021	SEM v	Enrollment Number	Candidates Name	Total marks	Total marks obtained	percent	Result (Class)
		1909880389	KALE VAIBHAV DATTA	1050	964	91.81	DISTINCTION
		1909880367	HAGAWANE SHUBHAM VIKAS	1050	936	89.143	DISTINCTION
		1909880422	AKIM MAHESH SAYAPPA	1050	912	86.857	DISTINCTION

For More Details,

Zeal Polytechnic, Narhe, Pune- 41.

www.zealpolytechnic.com

admissions.zcoer@zealeducation.com

7558666663 / 7558666664

ZEAL MECHANICAL DEPARTMENT