

**MECHANICAL ENGINEERING STUDENTS ASSOCIATION
(M.E.S.A)**

TECHTRONIX 2021-22

Technical Event
(16th to 18th Oct 2021)



Modern Education Society's
COLLEGE OF ENGINEERING, PUNE-01

About MECHANICAL ENGINEERING STUDENTS ASSOCIATION (MESA)

MESA is MESCOE Mechanical Student Association. The MESA was formed to bring about the technical development of students by organizing seminars, workshops and other activities and also to improve non-technical abilities of students by engendering good communication skills, managerial abilities, presentation skills and team work.

Objectives

- To Promote the interaction between academia and industry by organizing industrial visits, special lectures and facilitate in industrial training
- Promoting the interests of students in various technical areas pertaining to mechanical engineering
- To encourage students of the mechanical Engineering department to develop their personal skills, like event management & time management by organizing inter & inter Collegiate Events
- To bring about the technical development of students by organizing seminars, workshops and other activities.

Outcomes:

The students will be able to

- Develop their technical and non-technical competitive skill
- Develop their communication skills, managerial abilities, presentation skills and team work.
- Put forth their ideas

Role of the Faculty Coordinator:

- The faculty coordinator will be responsible for team selection.
- Faculty coordinator have all rights to terminate any non performing member in the committee.
- All purchases for event conduction must be processed through faculty coordinator.
- All events should be conducted under the guidance of respective coordinator as well as respective event coordinators.

Team Selection Policy:

- Academic result is considered for the post of President and Vice-President
- All interested students for committee members are called for interview.
- The interview is conducted by faculty coordinator, Senior faculties and President in Semester II and charge is handed over to new President and committee members

MESA Committee member 2021-22

MESA Faculty Advisor- Dr. S. H. Gawande & Prof. H. S. Salave

President	Atharva J Gaikwad
Vice President	Samarth R Patil
Secretary	Arvind Gulankar
Treasurer	Tejas P Veer Abhishek S Patil Jayesh P. Shewale
Ladies Representative(LR)	Aditi S Sonawane
Digital Marketing Heads	Milind Patel Akash Bondave Parv Jaiswal Sanket Nehete Saurabh S. Bhosale
Event Heads	Tushar S Ghatge Vaishnavi Kalshetti Ninad S Salunkhe Gajendra Bagi Datarange Tohafik Nasir Rohit R Zite Saidhan S Pawar
Content Creators	Vinayak Ankush Dhaybar Kapil Deepak Bhate
Documentation Heads	Shreya A Sakore Shreya A Kulkarni Yash Chaudhari
Event Co-ordination	Atharv Jadhav
	Samyak C Khand
	Abhishek Shivaji Ghadge
MESA Co-ordinators	Ritesh G Banaras
	Shambhuji H Rajebhosa
	Satvik bhardwaj

MINDKRAFT

- **Event Head :-** Tushar Ghatge (7507234645).
- **Event Co-ordinators / Volunteers :-** Tohafik Datarange (7447208179).
- **Event Dates :-** 16th & 18th October 2021.
- **Event Venue :-** 1st Round:- Quizizz Website (Virtual Platform).

2nd Round:- MS Teams (Virtual Platform).

- **Event Time :-** Round 1:- 4:00pm (16th October 2021).
Round 2:- 7:00pm (18th October 2021).
- **Event Type (Individual / Team):-** Individual.
- **Prizes:-** Cash prize along with certificate of appreciation for winner & runner-up.
Participation certificates for all the participants.
- **Total Number of Participants (Individual / Team):-** 17.

Report:-

MindKraft was a virtual inter-disciplinary quiz event which was conducted in 2 rounds. All the preparations for this event were started from 29th September 2021 onwards by the respective event head & event co-ordinators / volunteers. The preparations included designing of the rounds, preparation of the question bank for each round, event poster making, event publicity & all other necessary tasks. Finally after all the preparations, the event posters were released on various social media platforms on 6th October 2021. Registrations were open from 6th October 2021 till 15th October 2021. Round 1 was conducted on 16th October 2021 at 4:00pm on Quizizz website. Round 1 consisted of 20 questions & round 2 had 10 questions. All the questions were related to general knowledge (GK), mental ability & logical reasoning. Time limit for round 1 was 30 minutes & for round 2 it was 10 minutes (for each participant). Rounds 1 & 2 carried a weightage of 20 points each. From a total of 17 participants in round 1, top 5 scorers were qualified for round 2. There was no negative marking for rounds 1 & 2. Round 2 was conducted on 18th October 2021 at 7:00pm on MS teams platform. It was a face to face round where each participant had a unique set of 10 questions (5 general knowledge questions & 5 questions related to

the participant's field of study). Both the rounds carried a weightage of 20 points each. Finally, top 2 scorers from round 2 were declared as winner & runner-up respectively. Entry fee of 3rd & 4th ranks of the event was refunded as a token of appreciation.

Round 2 Recording Link:-

https://mescoeorg-my.sharepoint.com/:v:/g/personal/m21_tushar_ghatge_2021_mescoeorg_onmicrosoft_com/ETR3LBYD2ZBMhAYfoCXSDMoBxPo2kQaDiVmcmETUXEjD_w

List of Participants

Sr. No.	Name	Contact No.	College Name
1.	Nikhil Sanjay Chogule	8483878911	D.Y. Patil School of Engineering
2.	Shaikh Noaman Ahmed Akhlaque Ahmed	8793348408	N. B. Navale Sinhgad College of Engineering, Solapur
3.	Pratik Ganesh Dhiwar	9146804417	MESCoE, Pune
4.	Sanyuja Shelke	9673532169	MESCoE, Pune
5.	Ishwar Sunil Dhage	9922298978	MESCoE, Pune
6.	Samruddhi Shete	8767058789	MESCoE, Pune
7.	Nikhil Patil	7020169146	MESCoE, Pune
8.	Aniket Jadhav	8805506027	MESCoE, Pune
9.	Aditya Mahamuni	7249539246	MESCoE, Pune
10.	Ajay Patil	8793307017	MESCoE, Pune
11.	Nikita Ganjave	8626019684	MESCoE, Pune
12.	Pranav Sakore	8975300274	Pimpri Chinchwad Polytechnic
13.	Ajinkya Jaysing Mahabare	9921019611	Cusrow Wadia
14.	Atharva Dilip Jamdar	8379988702	AISSMS College of Engineering, Pune
15.	Abhishek Ghubde	9075322628	MMCC, Pune
16.	Chaitanya Salunke	7276692717	N.K. Orchid College of Engineering & Technology, Solapur
17.	Onkar Gidvir	9518505572	JSPM's BSIOTR Wagholi, Pune

Participants Qualified for Final Round:-

- 1) Atharva Jamdar (Disqualified in final round).
- 2) Samruddhi Shete
- 3) Nikhil Patil

- 4) Aditya Mahamuni
- 5) Chaitanya Salunkhe

Event Results:- 1) Nikhil Patil (Winner).

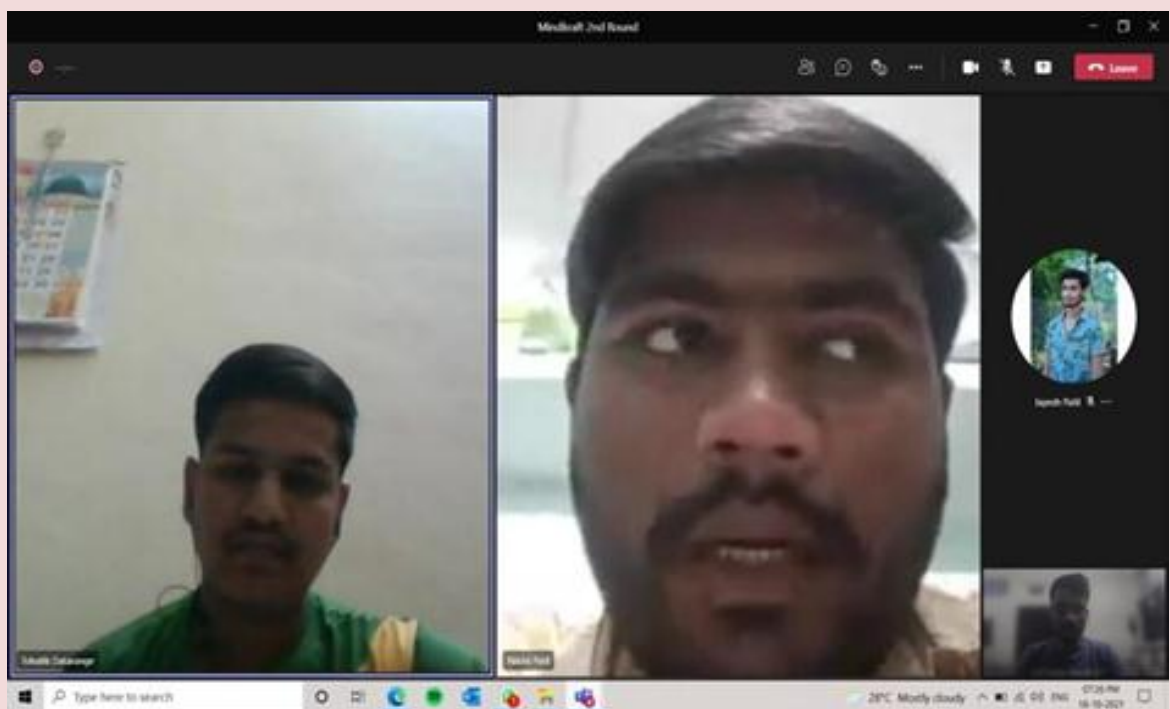
2) Samruddhi Shete (Runner-up).

Proofs



The poster is for an event titled "TECHTRONIX 2K21-22 MindKraft". It features a dark green background with a faint circuit board pattern. At the top left is the logo of Modern Education Society's College of Engineering, Pune. At the top right is a red gear logo with "MESA" inside. The text "Modern Education Society's" is in white, followed by "College Of Engineering, Pune" in a larger white font, and "Department Of Mechanical Engineering" in a smaller white font. Below this, "MESA PRESENTS" is written in white. The main title "TECHTRONIX 2K21-22" is in large, bold, yellow letters, and "MindKraft" is in large, bold, green letters. Below the title, "Entry Fee 20/-" is written in white. A dashed white line with arrows at both ends is positioned below the entry fee. Below the line, the "Event Head" is listed as Tushar Ghatge - 7507234645, and the "Event Co-ordinator" is listed as Tohafik Datarange - 7447208179. To the right of the coordinators, "Registrations" are listed as "6th oct - 15th oct 2021". At the bottom right, a blue box contains the text "EVENT DATES" and "16TH OCT & 18TH OCT 2021". At the very bottom, a red banner with white text reads "Assured cash prizes for winners & participation certificates for all."

Modern Education Society's
College Of Engineering, Pune
Department Of Mechanical Engineering
MESA PRESENTS
TECHTRONIX 2K21-22
MindKraft
Entry Fee 20/-
←-----→
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Vision of Department

To groom Motivated, Environmental friendly, Self-esteemed, Creative and Oriented Mechanical Engineers

Mission of Department:

To Develop Industry Oriented Manpower to accept the challenges of Globalization by,

- Imparting mechanical engineering knowledge through trained faculty in conducive environment,
- Creating awareness about the needs of mechanical industries through alumni and industry-institute interactions
- Encouraging them to think innovatively and introduce them to various research activities
- Supporting them to groom in all aspects like communication, interpersonal skills.

Program Educational Objectives:

The following Program Educational Objectives are established for the Mechanical Engineering:

- **Pre-preparation:** To prepare students with strong foundation in mathematical, scientific and engineering fundamentals that will enable them to have successful career in Core Mechanical and Interdisciplinary Industries.
- **Core Competence:** To prepare students for rapid technological change with core Mechanical Engineering domain knowledge.
- **Breadth:** To enable students to develop their knowledge and skills across the range of disciplines.
- **Professionalism:** To prepare students for soft skills with good communication, ethical values and ability to work in a team
- **Learning Environment:** To prepare students to strengthen their knowledge and skills through self-learning abilities throughout their professional career as well as to pursue higher education.

Mechanical Engineering Program Outcomes:

The Mechanical Engineering graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
13. **PSO I:** Apply principles of machine design, manufacturing, thermal engineering and management to identify, formulate and solve real life problems in various fields of engineering
14. **PSO II:** Use modern modeling, simulation techniques and computational tools.
15. **PSO III:** Develop practical solutions for mechanical engineering problems/processes under professional and ethical constraints.