POORNIMA
COLLEGE OF ENGINEERING

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A REPORT ON ALUMNI SESSION

TITLE AND DURATION: An Alumni Session on **"Mechanical Engineering: Opportunities & Market Scenario"** on November 22, 2023.

ORGANIZER(S): Department of Mechanical, Poornima College of Engineering, Jaipur.

EXPECTED OUTCOMES:

Activity-1.1	Student will be able to enhance the knowledge of Mechanical Engineering Opportunities.
Activity-1.2	Student will be able to recognize the Market Scenario in Mechanical Engineering & Current Opportunities.
Activity-1.3	Student will be able to analyse their future perspective in the field of Mechanical Engineering.

MAPPINGS WITH PO&PSO:

CO-PO-PSO Mapping: Mapping Levels: 1- Low, 2- Moderate, 3-Strong

CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	-	3	-	-	-	-	-	-	2	3	2
CO2	-	-	-	-	-	-	-	-	3	-	-	-	2	3	2
CO3	-	-	-	-	-	-	-	-	-	-	-	3	2	3	2

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FLYER / POSTER:

BRIEF BIODATA OF RESOURCE PERSON: Mr. Ayush Arora has graduated in 2018 as a mechanical engineer from Poornima College of Engineering. He has worked with corporate sector for around 5 Years in various industries like Daikin, NBC etc. He is currently working as consultant, Risk Advisory, KMPG. He is also certified Six Sigma Trainer and expertise in various industry software's.

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BRIEF OF THE SESSION:

The primary objectives of the alumni session on "Mechanical Engineering: Opportunities & Market Scenario 2024" were:

To equip attendees with a comprehensive understanding of the current market landscape and future trends in the mechanical engineering field. This included insights into the various factors driving the market growth, emerging opportunities across different sectors, and the evolving skillset required for success.

To provide valuable career guidance and advice to aspiring and experienced mechanical engineers. The session aimed to help attendees navigate the job market effectively by highlighting in-demand skills, emphasizing the importance of continuous learning and adaptation, and offering insights from an experienced industry professional.

To foster a sense of connection and community among mechanical engineers. The session provided a platform for alumni and students to connect, network, and share their experiences, potentially leading to valuable professional connections and mentorship opportunities.

Dr. Narayan Lal Jain, Professor & Head, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur welcomed the alumni with a memento and all the participants in session. Mr. Sanjay Kumawat, Assistant Professor, introduced the guest and spoke about the session.

Thereafter, Mr. Ayush Arora shared expertise and industry knowledge, painting a comprehensive picture of the current landscape and future prospects.

Market Landscape:

The global mechanical engineering market is projected to reach a staggering growth in coming years fueled by several key drivers:

- **Automation and Robotics:** The relentless march of automation across industries is creating a surge in demand for skilled professionals who can design, develop, and maintain these intelligent machines.

- **Renewable Energy and Sustainability:** The global focus on sustainability and clean energy is opening up exciting opportunities in areas like solar, wind, and geothermal power generation, all of which require expertise in mechanical engineering.

- **Emerging Economies:** Rapid development in emerging economies like India and China is propelling the need for infrastructure projects, creating a significant demand for mechanical engineers.

Industry-Specific Opportunities:

The session delved into specific opportunities across various sectors:

- **Aerospace and Defense:** The speaker highlighted the growing demand for engineers specializing in areas like aircraft design, propulsion systems, and national defense technologies.

- **Automotive:** The session emphasized the ongoing transformation of the automotive industry towards electric and autonomous vehicles, creating opportunities for engineers skilled in electric powertrains, battery technology, and self-driving car systems.

- **Manufacturing:** The speaker pointed to the growing trend of automation and digitalization in manufacturing, requiring engineers adept at designing and implementing automated production lines and integrating Industry 4.0 technologies.

Thriving in the Job Market:

The session stressed the importance of acquiring the following skills to thrive in the job market:

- **Technical Expertise:** A strong foundation in core mechanical engineering principles, including mechanics, thermodynamics, and materials science, remains essential.

- **Software Proficiency:** Familiarity with design and simulation software like CAD (Computer-Aided Design) and CAE (Computer-Aided Engineering) is increasingly sought after by employers.

- **Adaptability and Continuous Learning:** The rapid pace of technological advancements necessitates the ability to learn new skills and adapt to evolving industry trends.

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- **Soft Skills:** Effective communication, teamwork, problem-solving, and critical thinking skills are crucial for success in any engineering role.

Conclusion:

The alumni session served as an inspiring and informative event for mechanical engineers at various stages of their careers. By understanding the evolving market landscape, embracing continuous learning, and honing their skillsets, mechanical engineers can confidently navigate the exciting opportunities that lie ahead.

Additional Notes:

- The Q&A session provided a platform for the audience to engage with the speaker, seeking valuable career advice and industry insights.
- The session also emphasized the importance of networking with alumni and industry professionals to gain valuable insights and explore potential career paths.

The session ended with the vote of thanks by Mr. Sanjay Kumawat, Assistant Professor, Department of Mechanical Engineering, Poornima College of Engineering, and Jaipur.

GLIMPSES:

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LIST OF PARTICIPANTS & ATTANDANCE:

Poornima College of Engineering
Department of Mechanical Engineering

Session:- Odd/Even/ Year: Odd sem - 2023-24 Date & Time:- 22 Nov 23 — 10:00am
Activity Name Faculty Coordinator: Sanjay Kumawat - Mr. Ayush Arora (Alumni Session)

Sr. No.	Student Name	Registration No.	Class/Year	Signature
1	Jagrati Agarwal	PCE20ME007	4th	Jagrati
2	Vishad Tainwala	PCE20ME017	4th	Vishad
3	Sachin Yadav	PCE20ME013	4th	S-
4	Ayan	PCE20ME005	4th	Ayan
5	Nadeem Khan	PCB20MB011	4th	Nadeem
6	Adarsh Kumar Jha	PCE22ME810	3rd	Adarsh
7	Ramnaresh Matwa	PCE21ME016	3rd	Ramnaresh
8	Sulabh Saxena	PCE21ME020	3rd	Sulabh Saxena
9	UTKARSH AGRAWAL	PCE21ME022	3rd	UTKarsh Agrawal
10	Anil Kr. Meena	PCE22ME005	2nd	Anil
11	Ashish Kushwah	PCE22ME801	3rd	Ashish kushwah
12	Rajveer Singh	PCE21ME014	3rd	राजवीर सिंह
13	Heeralal	PCE22ME010	2nd	Heeralal
14	Ayush Saxena	PCE21ME001	5th/3rd	Ayush Saxena
15	Bhanu Pratap	PCE21ME002	5th 3rd	Bhanu Pratap
16	Harshita Joshi	PCE21ME005	5th/3rd	Harshita
17	Abhishek yadav	PCE22ME004	2nd	Abhishek yadav
18	Priya	PCE21ME011		Priya
19	Ibrahim	PCE21ME006	5th/3rd	Ibrahim
20	Tanmay Jangid	PCE21ME021	5th/3rd	Tanmay
21	Harish Kumawat	PCE21ME04	5th/3rd	harish
22	Jayant Soni	PCE21ME007	5th/3rd	Jayant Soni

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FEEDBACK ANALYSIS:

			SESSION FEEDBACK ANALYSIS					
Sr.no.	**Attributes**	**Total Feed Back**	**Total Feed Back- 22**					
			>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement					
1	**Do you think session was useful for you?**	22	Yes	No	Partial	---	---	Remark
			10	0	2	0	0	**Objective Achieved (89.47%)**
			89.47	0.00	10.53	0.00	0.00	
2	**Did you receive all the information you expected by the session?**	22	Yes	No	Partial	---	---	Remark
			21	0	1	0	0	**Objective Achieved (94.74%)**
			94.74	0.00	5.26	0.00	0.00	
3	**Opinion on Rating the speaker for the session**	22	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			21	1	0	0	0	**Objective Achieved - Outstanding & Excellent (94.74%)**
			94.74	5.26	0.00	0.00	0.00	
4	**Audience Query Response by the Speaker**	22	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			21	1	0	0	0	**Objective Achieved (94.74%)**
			94.74	5.26	0.00	0.00	0.00	
5	**Overall experience about the Session**	22	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			22	0	0	0	0	**Objective Achieved - Outstanding (100%)**
			100.00	0.00	0.00	0.00	0.00	
6	**Would you like to attend future Alumni Session conducted by the department?**	22	Yes	No	---	---	---	Remark
			22	0	0	0	0	**Objective Achieved (100%)**
			100.00	0.00	0.00	0.00	0.00	

Notice:

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PCE/ME/DO/2023-24/24

Date: 18-11-2023

NOTICE

"An Alumni Session on "Mechanical Engineering: Opportunities and Market Scenario"

is being organized by the Department of Mechanical Engineering on **22/11/2023**. The activity

will be held at as per the following schedule.

Date   : 22/11/2023
Activity Name   : An Alumni Session on "Mechanical Engineering: Opportunities and
                    Market Scenario
Venue   : 1B-05
Time   : 9:00 onwards am

The students are required to be present at the venue on time. For further query you may

contact the Faculty Coordinator Dr. Surendra Kumar Saini.

Dr. N. L. Jain
HoD, ME

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