

Activity Report

DEPARTMENT	Automobile Engineering		
ACTIVITY TYPE	SDP for Automobile Students		
ACTIVITY TITLE	Automotive Systems Core Principles & Modern Developments		
DATE & TIME	11/09/2023; 10:00 AM to 5:00 PM.	Duration	5 days
CONDUCTED BY	Mr. Sandeep Pandey, Mr. Arjun Vyas Mr. Jaiswal C. V. , Mr. Jignesh Pandya Mr. Vineet Saxena		
CONTACT DETAILS	9724288109		
FACULTY COORDINATOR	Dr. Prathmesh Potdar Asst. Prof. Dhaval Sodha Asst. Prof. Bhupesh Goyal		
FACULTY COORDINATOR CONTACT DETAILS	9898917008,9558350682		
NUMBER OF STUDENTS ATTENDED	40		
DIVISION	7A1_AU		

Objective:

- The objective of the skill development program is to provide students with a comprehensive understanding of the fundamental principles and advanced technologies of automobile systems.
- The program will cover topics such as Heat transfer in automobile systems and sub-systems, advanced vehicle dynamics, electric and hybrid vehicles, autonomous vehicles, and more.

Activity Details:

Day	Session Name	Duration (Hrs)	Timings	Name of Industry	Delivery Mode
Day 1	Demonstration of Heat Exchanger and evolving technologies	6	10:00 AM - 5:00 PM	Sanjana Scientific Glasswork, Valsad	Expert talk & Demonstration
Day 2	Green Energy for circular economy	6	10:00 AM - 5:00 PM	TUV SUD South Asia Pvt. Ltd., Ahmedabad	Expert talk & Industrial Visit
Day 3	Electric and Hybrid Vehicles – future perspectives	6	10:00 AM - 5:00 PM	International Automobile Centre of Excellence, Gandhinagar	Expert talk & Industrial Visit
Day 4	Automotive System Tooling - Jigs & Fixtures	6	10:00 AM - 5:00 PM	Variational Technologies Pvt. Ltd., Vadodara	Expert talk & Industrial Visit
Day 5	Train sets- Emerging Technology in Train Operations	6	10:00 AM - 5:00 PM	Indian railways, Vadodara	Expert talk & Hands On

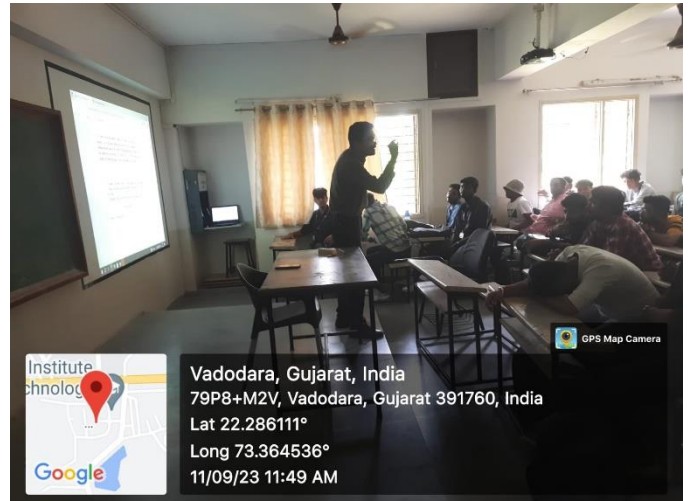
Day 1: Demonstration of Heat Exchanger and evolving technologies

DT: 11-09-2023

Activity Details:

- The Heat exchanger is a vital equipment in various industrial applications for efficient heat transfer. It outlines the key steps involved in the fabrication of the heat exchanger, emphasizing the importance of precision and quality control throughout the manufacturing process.
- **Material Selection:** Choose high-quality materials such as stainless steel, carbon steel, or other suitable alloys for the shell and tubes, considering factors like corrosion resistance and thermal conductivity.
- **Tube Fabrication:** Form tubes with precise dimensions and ensure uniformity in their structure to facilitate effective heat transfer.
- **Shell Construction:** Fabricate the shell using the selected material and employ advanced welding techniques to ensure structural integrity and leak-proof construction.
- **Baffle Installation:** Strategically position and install baffles within the shell to enhance turbulence and maximize heat transfer efficiency.
- **Quality Control:** Implement rigorous quality checks throughout the manufacturing process to verify dimensional accuracy, material integrity, and welding quality.

Glimpses of activity:



Day 1: a session on Demonstration of Heat Exchanger

Outcome:

- The session underscores the significance of meticulous manufacturing practices in ensuring the durability, efficiency, and safety of shell and tube heat exchangers.
- Employing high-quality materials, precise fabrication techniques, and stringent quality control measures are essential for producing heat exchangers that meet industry standards and effectively fulfill the requirements of diverse industrial applications.

Attendance Sheet:

PARUL INSTITUTE OF TECHNOLOGY			
DEPARTMENT OF AUTOMOBILE ENGINEERING			
SDP - "Automotive Systems Core Principles & Modern Developments"			
DATE: 11/09/2023		DAY - 1	SESSION - 1
Sr. No	Er. No	Students Name	SIGN
1	200305102001	NATHANI HEMIN MUKESHBHAI	[Signature]
2	200305102002	BAMBHANIYA ROHIT NARENDRABHAI	AB
3	200305102003	PANCHAL JAYKUMAR PARESHBHAI	[Signature]
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38	210305102739	MALYALA RAM MOHAN	<i>Ram</i>
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Day 2: Green Energy for circular economy

DT: 12-09-2023

Activity Details:

- The Skill development session aimed to equip participants with the knowledge and practical skills necessary for promoting green energy adoption and implementing sustainable practices in various sectors. The session emphasized the importance of incorporating sustainable strategies into everyday operations and highlighted the role of individuals in driving the transition towards a more eco-friendly future.
- The session covered a comprehensive overview of green energy technologies, including solar, wind, and hydroelectric power, elucidating their benefits and potential applications. Participants engaged in hands-on activities to understand the functioning of renewable energy systems and explored case studies showcasing successful integration of green energy solutions in diverse settings.
- The importance of sustainability in sectors such as construction, transportation, and agriculture was emphasized, with discussions on implementing energy-efficient practices, utilizing eco-friendly materials, and adopting circular economy principles to minimize environmental impact and maximize resource efficiency. Practical workshops on waste management techniques and energy conservation strategies provided participants with tangible skills to implement sustainable practices within their respective fields.
- Interactive group exercises and role-playing scenarios were conducted to enhance participants' communication and problem-solving skills, fostering a collaborative approach to address sustainability challenges. Simulated real-world scenarios allowed participants to develop critical thinking abilities and encouraged them to devise innovative solutions to promote green energy adoption and sustainable practices in their communities.

Glimpses of activity:



Day 2: A session on Green Energy for circular economy

Outcome:

- The skill development session concluded with a call to action, urging participants to utilize the knowledge and skills gained to champion sustainable initiatives in their professional and personal spheres.
- Emphasizing the collective responsibility to preserve the environment, the session underscored the role of skilled professionals in driving the global transition towards a more sustainable and eco-friendly future.
- Participants were encouraged to serve as ambassadors for green energy and sustainability, promoting awareness and advocating for the implementation of environmentally conscious practices in their respective domains.

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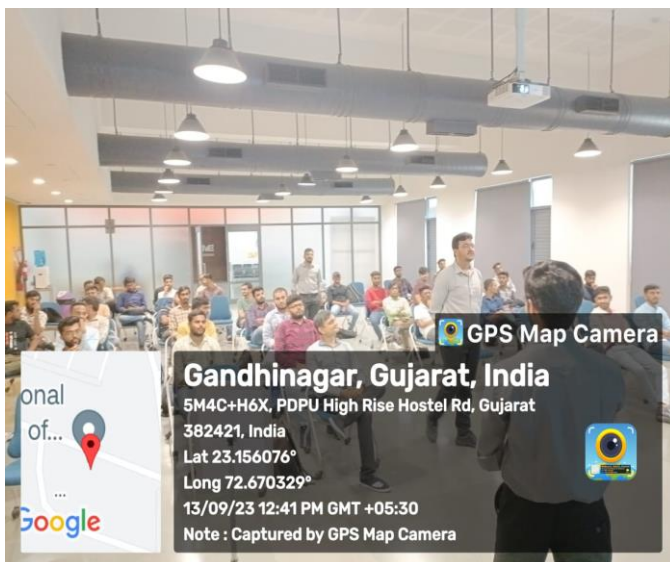
Day 3: Electric Vehicles and Hybrid technologies at IACE, Gandhinagar

DT: 13-09-2023

Activity Details:

- The skill development session held at the International Automobile Centre of Excellence in Gandhinagar aimed to provide participants with comprehensive insights into the latest advancements in automotive technology and foster the development of practical skills crucial for the automotive industry. The session focused on equipping participants with the necessary expertise to excel in various areas of automotive engineering and innovation.
- The session commenced with an overview of the current trends and challenges in the global automotive industry, emphasizing the need for continuous innovation and skill development to stay competitive in the rapidly evolving market. Industry experts and renowned professionals conducted interactive workshops and seminars on topics such as electric vehicle technology, autonomous driving systems, and sustainable automotive manufacturing practices.
- Hands-on training modules enabled participants to explore cutting-edge technologies in vehicle design, testing, and simulation. Practical demonstrations on computer-aided design (CAD) software and virtual testing platforms provided participants with first-hand experience in leveraging advanced tools for automotive engineering and development. Workshops on automotive safety standards and regulations deepened participants' understanding of industry compliance and quality assurance protocols.
- Collaborative group projects and case studies encouraged participants to apply their theoretical knowledge in real-world scenarios, fostering critical thinking and problem-solving skills within a professional context. Interactive discussions and networking sessions facilitated valuable exchanges of ideas and experiences among participants and industry experts, encouraging a collaborative approach to address complex challenges in the automotive sector.

Glimpses of activity:



Day 3: A session at IACE, Gandhinagar

Outcome:

- The session underscores the significance of meticulous manufacturing practices in ensuring the durability, efficiency, and safety of shell and tube heat exchangers.
- Employing high-quality materials, precise fabrication techniques, and stringent quality control measures are essential for producing heat exchangers that meet industry standards and effectively fulfill the requirements of diverse industrial applications.

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13	210305102704	NAGNESHIYA NANDKUMAR KANTILAL	Nand
14	210305102705	PANCHAL KAUSHALRAJ DHARMESHKUMAR	Kaushal
15	210305102706	PANCHANI DIPEN ARVID	Dipen
16	210305102708	PATEL HARSH MUKESH	AB
17	210305102710	PATEL PRATIK NAROTTAMBHAI	Pratik
18	210305102711	PATEL SMIT HEMANG	Smit
19	210305102713	SHAH NISARG HITENDRA	Nisarg
20	210305102714	SHAH YATHARTH DIGNESHKUMAR	Yatharth
21	210305102715	YADAV JAYRAJ SURENDRASINH	Jayraj
22	210305102717	CHAUDHARI VISHAL BHARATBHAI	Vishal
23	210305102719	JADAUN ANKITKUMAR SAJJANSINGH	Ankit
24	210305102720	JADAV ANKIT GIRISHBHAI	Ankit
25	210305102721	KONDALKAR SACHIN SANJAY	Sachin
26	210305102725	PATEL RUTIK	Rutik
27	210305102726	PATEL UTSAV VIPULKUMAR	Utsav
28	210305102728	PATEL VARUN BHADRESHBHAI	Varun
29	210305102729	PATIL HARSHKUMAR SANJAY	Harsh
30	210305102730	PRAJAPATI DHYEY RAVINDRAKUMAR	Dhyeet
31	210305102731	RAJPUT DEVRAJ BHARATBHAI	Devraj
32	210305102732	ROHIT TARANGKUMAR DAHYABHAI	Tarang
33	210305102733	SONI SHIVAM DHARMENDRAKUMAR	Shivam
34	210305102734	UPADHYAY TARANG ALPESHKUMAR	Tarang
35	210305102735	VHORA JISHAN RAZAKBHAI	Jishan
36	210305102736	VYAS APURVA MANISH	Apurva
37	210305102738	SHARMA MEHUL RAJIV	Mehul
38	210305102739	MALYALA RAM MOHAN	Ram
39	210305102744	SEVAK SMIT YOGESHBHAI	Smit
40	200305102710	SHARMA KAUSHAL AJITKUMAR	Kaushal

Day 4: Automotive System Tooling – Jigs & Fixtures

DT: 14-09-2023

Activity Details:

- The skill development session aimed to equip participants with the necessary expertise in designing and fabricating jigs and fixtures for automotive system tooling. Understanding the critical role of these tools in ensuring precision and efficiency in the manufacturing process, the session focused on imparting practical skills and knowledge essential for producing high-quality jigs and fixtures tailored to automotive manufacturing requirements.
- The session began with an in-depth exploration of the principles and functionalities of jigs and fixtures in automotive system tooling. Participants delved into the nuances of design considerations, material selection, and tolerance management, gaining insights into the factors that influence the effectiveness and reliability of these critical manufacturing aids.
- Hands-on workshops provided participants with practical experience in utilizing industry-standard software for designing jigs and fixtures. Through simulated design projects, participants honed their skills in creating robust and precise designs, incorporating ergonomic considerations and optimization techniques to enhance the efficiency of the manufacturing process.
- Manufacturing demonstrations illustrated various fabrication techniques, including machining, welding, and assembly, highlighting best practices for ensuring structural integrity and dimensional accuracy in the production of jigs and fixtures. Participants gained practical knowledge in utilizing advanced machinery and tools, emphasizing the importance of quality control measures throughout the manufacturing process.

Glimpses of activity:



Day 4: A session at Variational Technologies Pvt. Ltd., Vadodara

Outcome:

- The skill development session concluded with participants equipped with the necessary skills and practical insights to design and manufacture high-precision jigs and fixtures for automotive system tooling.
- Emphasizing the significance of precision and efficiency in the manufacturing process, the session underscored the pivotal role of skilled professionals in driving innovation and excellence in the automotive manufacturing industry.
- Case studies and industry insights provided participants with a comprehensive understanding of the latest trends and innovations in automotive system tooling, enabling them to stay abreast of technological advancements and industry best practices.
- Participants were encouraged to leverage their enhanced skills and knowledge to contribute to the advancement and competitiveness of the automotive sector, promoting the adoption of best practices and cutting-edge technologies in automotive system tooling.

Attendance Sheet:

PARUL INSTITUTE OF TECHNOLOGY			
DEPARTMENT OF AUTOMOBILE ENGINEERING			
SDP - "Automotive Systems Core Principles & Modern Developments"			
DATE: 14/09/23		DAY - 4	SESSION - 1
Sr. No	Er. No	Students Name	SIGN
1	200305102001	NATHANI HEMIN MUKESHBHAI	[Signature]
2	200305102002	BAMBHANIYA ROHIT NARENDRABHAI	[Signature]
3	200305102003	PANCHAL JAYKUMAR PARESHBHAI	[Signature]
4	200305102005	TANMAY BHATT	[Signature]
5	200305102006	NIRAV SHARMA	[Signature]
6	200305102008	KRISHNESH VAGHELA	[Signature]
7	200305102010	CHINTALA DHRUVA RAM RAJ	[Signature]
8	200305102011	KOSURI HEMANTH AKASH RAJ KUMAR	[Signature]
9	200305102014	ROKKAM VENKATA RAMA SHANKAR	[Signature]
10	200305102903	TANDEL VAIBHAV JITENDRAKUMAR	[Signature]
11	210305102701	AGRAWAL KETAN MAHESHBHAI	[Signature]
12	210305102703	GULDOO GURDEEPSINGH GURJITSINGH	[Signature]
13	210305102704	NAGNESHIA NANDKUMAR KANTILAL	[Signature]
14	210305102705	PANCHAL KAUSHALRAJ DHARMESHKUMAR	[Signature]
15	210305102706	PANCHANI DIPEN ARVID	[Signature]
16	210305102708	PATEL HARSH MUKESH	[Signature]
17	210305102710	PATEL PRATIK NAROTTAMBHAI	[Signature]
18	210305102711	PATEL SMIT HEMANG	[Signature]
19	210305102713	SHAH NISARG HITENDRA	[Signature]
20	210305102714	SHAH YATHARTH DIGNESHKUMAR	[Signature]
21	210305102715	YADAV JAYRAJ SURENDRASINH	[Signature]
22	210305102717	CHAUDHARI VISHAL BHARATBHAI	[Signature]
23	210305102719	JADAUN ANKITKUMAR SAJJANSINGH	[Signature]
24	210305102720	JADAV ANKIT GIRISHBHAI	[Signature]
25	210305102721	KONDALKAR SACHIN SANJAY	[Signature]
26	210305102725	PATEL RUTIK	[Signature]
27	210305102726	PATEL UTSAV VIPULKUMAR	[Signature]
28	210305102728	PATEL VARUN BHADRESHBHAI	[Signature]
29	210305102729	PATIL HARSHKUMAR SANJAY	[Signature]
30	210305102730	PRAJAPATI DHYEY RAVINDRAKUMAR	[Signature]
31	210305102731	RAJPUT DEVRAJ BHARATBHAI	[Signature]
32	210305102732	ROHIT TARANGKUMAR DAHYABHAI	[Signature]
33	210305102733	SONI SHIVAM DHARMENDRAKUMAR	[Signature]
34	210305102734	UPADHYAY TARANG ALPESHKUMAR	[Signature]
35	210305102735	VHORA JISHAN RAZAKBHAI	[Signature]
36	210305102736	VYAS APURVA MANISH	[Signature]
37	210305102738	SHARMA MEHUL RAJIV	[Signature]
38	210305102739	MALYALA RAM MOHAN	[Signature]
39	210305102744	SEVAK SMIT YOGESHBHAI	[Signature]
40	200305102710	SHARMA KAUSHAL AJITKUMAR	[Signature]

PARUL INSTITUTE OF TECHNOLOGY			
DEPARTMENT OF AUTOMOBILE ENGINEERING			
SDP - "Automotive Systems Core Principles & Modern Developments"			
DATE: 14/09/23		DAY - 4	SESSION - 2
Sr. No	Er. No	Students Name	SIGN
1	200305102001	NATHANI HEMIN MUKESHBHAI	Jgnis
2	200305102002	BAMBHANIYA ROHIT NARENDRABHAI	Rohit
3	200305102003	PANCHAL JAYKUMAR PARESHBHAI	Jay
4	200305102005	TANMAY BHATT	Tanmay
5	200305102006	NIRAV SHARMA	Nirav
6	200305102008	KRISHNESH VAGHELA	Kr. Vaghela
7	200305102010	CHINTALA DHURVA RAM RAJ	Chintala
8	200305102011	KOSURI HEMANTH AKASH RAJ KUMAR	K. Akash
9	200305102014	ROKKAM VENKATA RAMA SHANKAR	R. v. R. Shankar
10	200305102903	TANDEL VAIBHAV JITENDRAKUMAR	Vaibhav
11	210305102701	AGRAWAL KETAN MAHESHBHAI	Ketan
12	210305102703	GULDOO GURDEEPSINGH GURJITSINGH	Gurdeep
13	210305102704	NAGNESHIYA NANDKUMAR KANTILAL	Nand
14	210305102705	PANCHAL KAUSHALRAJ DHARMESHKUMAR	Kaushal
15	210305102706	PANCHANI DIPEN ARVID	P. P.
16	210305102708	PATEL HARSH MUKESH	Harsh
17	210305102710	PATEL PRATIK NAROTTAMBHAI	Pratik
18	210305102711	PATEL SMIT HEMANG	Smit
19	210305102713	SHAH NISARG HITENDRA	Nisarg
20	210305102714	SHAH YATHARTH DIGNESHKUMAR	Yatharth
21	210305102715	YADAV JAYRAJ SURENDRASINH	Jayraj
22	210305102717	CHAUDHARI VISHAL BHARATBHAI	Vishal
23	210305102719	JADAUN ANKITKUMAR SAJJANSINGH	Ankit
24	210305102720	JADAV ANKIT GIRISHBHAI	Ankit
25	210305102721	KONDALKAR SACHIN SANJAY	Sachin
26	210305102725	PATEL RUTIK	Rutik
27	210305102726	PATEL UTSAV VIPULKUMAR	Utsav
28	210305102728	PATEL VARUN BHADRESHBHAI	Varun
29	210305102729	PATIL HARSHKUMAR SANJAY	Harsh
30	210305102730	PRAJAPATI DHYEY RAVINDRAKUMAR	Dhyey
31	210305102731	RAJPUT DEVRAJ BHARATBHAI	Devraj
32	210305102732	ROHIT TARANGKUMAR DAHYABHAI	Rohit
33	210305102733	SONI SHIVAM DHARMENDRAKUMAR	Shivam
34	210305102734	UPADHYAY TARANG ALPESHKUMAR	Tarang
35	210305102735	VHORA JISHAN RAZAKBHAI	Jishan
36	210305102736	VYAS APURVA MANISH	Apurva
37	210305102738	SHARMA MEHUL RAJIV	Mehul
38	210305102739	MALYALA RAM MOHAN	Ram
39	210305102744	SEVAK SMIT YOGESHBHAI	Smit
40	200305102710	SHARMA KAUSHAL AJITKUMAR	Kaushal

Day 5: Train sets- Emerging Technology in Train Operations

DT: 15-09-2023

Activity Details:

- The skill development session aimed to provide participants with a comprehensive understanding of the emerging technology of train sets and its integration within the Vande Bharat Train Operations. The session emphasized the importance of skill development in the context of implementing and maintaining advanced train sets, fostering expertise in the cutting-edge technology transforming the landscape of modern rail transportation.
- The session commenced with an overview of the innovative features and operational advantages offered by train sets, highlighting their role in enhancing speed, efficiency, and passenger comfort. Through in-depth technical discussions and interactive presentations, participants gained insights into the design principles, engineering considerations, and maintenance protocols essential for the successful deployment of train sets within the Vande Bharat Train Operations.
- Hands-on workshops facilitated practical learning experiences, enabling participants to familiarize themselves with the intricate components and systems of train sets, including propulsion technology, aerodynamic design, and onboard amenities. Training modules focused on troubleshooting techniques and preventive maintenance strategies, equipping participants with the skills necessary to ensure the seamless functioning and optimal performance of train sets in operational environments.
- Simulated scenarios and practical exercises encouraged participants to apply their theoretical knowledge in real-world contexts, fostering critical thinking and problem-solving skills specific to train set operations.

Glimpses of activity:



Day 5: A session Train sets- Emerging Technology in Train Operations

Outcome:

- The skill development session concluded with participants equipped with the necessary expertise and practical insights to implement and manage train sets in the Vande Bharat Train Operations effectively.
- Emphasizing the significance of continuous learning and skill enhancement, the session highlighted the pivotal role of skilled professionals in driving the advancement and efficiency of modern rail transportation.
- Collaborative group activities and case studies provided opportunities for participants to develop effective communication and teamwork skills, emphasizing the importance of coordination and collaboration in ensuring the safety and efficiency of train operations.
- Participants were encouraged to leverage their newfound skills and knowledge to contribute to the sustainable growth and technological advancement of the railway sector, fostering the integration of cutting-edge technologies and best practices in train operations to enhance the overall passenger experience and operational efficiency of the Vande Bharat Train Operations.

Attendance Sheet:

PARUL INSTITUTE OF TECHNOLOGY			
DEPARTMENT OF AUTOMOBILE ENGINEERING			
SDP - "Automotive Systems Core Principles & Modern Developments"			
DATE: 15/09/23		DAY - 5	SESSION - 1
Sr. No	Er. No	Students Name	SIGN
1	200305102001	NATHANI HEMIN MUKESHBHAI	<i>[Signature]</i>
2	200305102002	BAMBHANIYA ROHIT NARENDRABHAI	<i>[Signature]</i>
3	200305102003	PANCHAL JAYKUMAR PARESHBHAI	<i>[Signature]</i>
4	200305102005	TANMAY BHATT	<i>[Signature]</i>
5	200305102006	NIRAV SHARMA	<i>[Signature]</i>
6	200305102008	KRISHNESH VAGHELA	<i>[Signature]</i>
7	200305102010	CHINTALA DHURVA RAM RAJ	<i>[Signature]</i>
8	200305102011	KOSURI HEMANTH AKASH RAJ KUMAR	<i>[Signature]</i>
9	200305102014	ROKKAM VENKATA RAMA SHANKAR	<i>[Signature]</i>
10	200305102903	TANDEL VAIBHAV JITENDRAKUMAR	<i>[Signature]</i>
11	210305102701	AGRAWAL KETAN MAHESHBHAI	<i>[Signature]</i>
12	210305102703	GULDOO GURDEEPSINGH GURJITSINGH	<i>[Signature]</i>
13	210305102704	NAGNESHYA NANDKUMAR KANTILAL	<i>[Signature]</i>
14	210305102705	PANCHAL KAUSHALRAJ DHARMESHKUMAR	<i>[Signature]</i>
15	210305102706	PANCHANI DIPEN ARVID	<i>[Signature]</i>
16	210305102708	PATEL HARSH MUKESH	<i>[Signature]</i>
17	210305102710	PATEL PRATIK NAROTTAMBHAI	<i>[Signature]</i>
18	210305102711	PATEL SMIT HEMANG	<i>[Signature]</i>
19	210305102713	SHAH NISARG HITENDRA	<i>[Signature]</i>
20	210305102714	SHAH YATHARTH DIGNESHKUMAR	<i>[Signature]</i>
21	210305102715	YADAV JAYRAJ SURENDRASINH	<i>[Signature]</i>
22	210305102717	CHAUDHARI VISHAL BHARATBHAI	<i>[Signature]</i>
23	210305102719	JADAUN ANKITKUMAR SAJJANSINGH	<i>[Signature]</i>
24	210305102720	JADAV ANKIT GIRISHBHAI	<i>[Signature]</i>
25	210305102721	KONDALKAR SACHIN SANJAY	<i>[Signature]</i>
26	210305102725	PATEL RUTIK	<i>[Signature]</i>
27	210305102726	PATEL UTSAV VIPULKUMAR	<i>[Signature]</i>
28	210305102728	PATEL VARUN BHADRESHBHAI	<i>[Signature]</i>
29	210305102729	PATIL HARSHKUMAR SANJAY	<i>[Signature]</i>
30	210305102730	PRAJAPATI DHYEE RAVINDRAKUMAR	<i>[Signature]</i>
31	210305102731	RAJPUT DEVRAJ BHARATBHAI	<i>[Signature]</i>
32	210305102732	ROHIT TARANGKUMAR DAHYABHAI	<i>[Signature]</i>
33	210305102733	SONI SHIVAM DHARMENDRAKUMAR	<i>[Signature]</i>
34	210305102734	UPADHYAY TARANG ALPESHKUMAR	<i>[Signature]</i>
35	210305102735	VHORA JISHAN RAZAKBHAI	<i>[Signature]</i>
36	210305102736	VYAS APURVA MANISH	<i>[Signature]</i>
37	210305102738	SHARMA MEHUL RAJIV	<i>[Signature]</i>
38	210305102739	MALYALA RAM MOHAN	<i>[Signature]</i>
39	210305102744	SEVAK SMIT YOGESHBHAI	<i>[Signature]</i>
40	200305102710	SHARMA KAUSHAL AJITKUMAR	<i>[Signature]</i>

PARUL INSTITUTE OF TECHNOLOGY			
DEPARTMENT OF AUTOMOBILE ENGINEERING			
SDP - "Automotive Systems Core Principles & Modern Developments"			
DATE: 15/09/23		DAY - 5	SESSION - 2
Sr. No	Er. No	Students Name	SIGN
1	200305102001	NATHANI HEMIN MUKESHBHAI	<i>Hemin</i>
2	200305102002	BAMBHANIYA ROHIT NARENDRABHAI	<i>Rohit</i>
3	200305102003	PANCHAL JAYKUMAR PARESHBHAI	<i>Jay</i>
4	200305102005	TANMAY BHATT	<i>AP</i>
5	200305102006	NIRAV SHARMA	<i>Nirav</i>
6	200305102008	KRISHNESH VAGHELA	<i>Krishnesh</i>
7	200305102010	CHINTALA DHRUVA RAM RAJ	<i>Chintala</i>
8	200305102011	KOSURI HEMANTH AKASH RAJ KUMAR	<i>Hemant</i>
9	200305102014	ROKKAM VENKATA RAMA SHANKAR	<i>Riv R. Shankar</i>
10	200305102903	TANDEL VAIBHAV JITENDRAKUMAR	<i>Vaibhav</i>
11	210305102701	AGRAWAL KETAN MAHESHBHAI	<i>Ketan</i>
12	210305102703	GULDOO GURDEEPSINGH GURJITSINGH	<i>Gurdeep</i>
13	210305102704	NAGNESHIYA NANDKUMAR KANTILAL	<i>Nand</i>
14	210305102705	PANCHAL KAUSHALRAJ DHARMESHKUMAR	<i>Kaushal</i>
15	210305102706	PANCHANI DIPEN ARVID	<i>Dipen</i>
16	210305102708	PATEL HARSH MUKESH	<i>Harsh</i>
17	210305102710	PATEL PRATIK NAROTTAMBHAI	<i>Pratik</i>
18	210305102711	PATEL SMIT HEMANG	<i>Smit</i>
19	210305102713	SHAH NISARG HITENDRA	<i>Nisarg</i>
20	210305102714	SHAH YATHARTH DIGNESHKUMAR	<i>Yatharth</i>
21	210305102715	YADAV JAYRAJ SURENDRASINH	<i>Jayraj</i>
22	210305102717	CHAUDHARI VISHAL BHARATBHAI	<i>Vishal</i>
23	210305102719	JADAUN ANKITKUMAR SAJJANSINGH	<i>Ankit</i>
24	210305102720	JADAV ANKIT GIRISHBHAI	<i>Ankit</i>
25	210305102721	KONDALKAR SACHIN SANJAY	<i>Sachin</i>
26	210305102725	PATEL RUTIK	<i>Rutik</i>
27	210305102726	PATEL UTSAV VIPULKUMAR	<i>Utsav</i>
28	210305102728	PATEL VARUN BHADRESHBHAI	<i>Varun</i>
29	210305102729	PATIL HARSHKUMAR SANJAY	<i>Harsh</i>
30	210305102730	PRAJAPATI DHYEY RAVINDRAKUMAR	<i>Dhyey</i>
31	210305102731	RAJPUT DEVRAJ BHARATBHAI	<i>Devraj</i>
32	210305102732	ROHIT TARANGKUMAR DAHYABHAI	<i>Rohit</i>
33	210305102733	SONI SHIVAM DHARMENDRAKUMAR	<i>Shivam</i>
34	210305102734	UPADHYAY TARANG ALPESHKUMAR	<i>Tarang</i>
35	210305102735	VHORA JISHAN RAZAKBHAI	<i>Jishan</i>
36	210305102736	VYAS APURVA MANISH	<i>Apurva</i>
37	210305102738	SHARMA MEHUL RAJIV	<i>Mehul</i>
38	210305102739	MALYALA RAM MOHAN	<i>Ram</i>
39	210305102744	SEVAK SMIT YOGESHBHAI	<i>Smit</i>
40	200305102710	SHARMA KAUSHAL AJITKUMAR	<i>Kaushal</i>

Remuneration Details:

To,
The Principal
Parul Institute of Technology
Faculty of Engineering and Technology

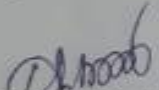
Subject: - Permission to arrange Skill development program on "Automotive Systems: Core Principles and Modern Developments (5 days)."

Respected Sir,

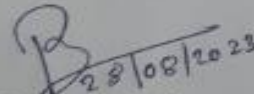
With due respect we would like to inform you that as per the curriculum we would like to conduct skill development program of 5 days (Sept-11 to Sept-15, 2023) on "Automotive Systems: Core Principles and Modern Developments." Program will be conducted for 50 students (Degree/Diploma), selected based on their merit and attendance. The details are here by attached with this application. As per norms, kindly grant per student fees 1000/- INR.


Kindly grant us the permission for the same.

Regards.


Dhaval Singh Sodha
Skill Development coordinator
Department of Automobile Engineering


Bhupesh Goyal
Skill Development coordinator
Department of Automobile Engineering

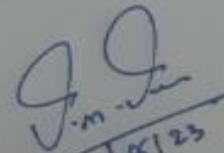

Dr. Prathmesh Potdar
HOD
Department of Automobile Engineering


Dr. Swapnil Parikh
PRINCIPAL
PIT

*PI - Submit
Hb + Report*

H. M. M.
25-9-2023

*To Dean Sir
Kindly approve the
same as per the attached
circular.*


J. M. J.
DEAN
25/8/23

Faculty of Engineering & Technology
Parul University
Pa. Limda, Ta. Waghodia,
Dist. Vadodara, Gujarat-391760 India

*- final fee
only for students who are
interested in placement.
Batch size 40 org.*

Sanctioned Amount: 40,000 INR

Remuneration details

Sr. no	Date of Session	Name of Expert	Bank Details			Amount
			Bank Name	A/c No	IFSC Code	
1	11/09/2023	Mr. Sandeep Pandey	Union Bank of India, Vapi	1372100160000012	UBIN0813729	8000/-
2	12/09/2023	Mr. Arjun Vyas	HDFC Bank, Bodakdev, Ahmedabad	50100444807269	HDFC00000049	7220/-
3	13/09/2023	Mr. Jaiswal C. V.	HDFC BANK, Raysan	50200048974113	HDFC0005065	4500/-
4	14/09/2023	Mr. Jignesh Pandya	Free of Charge			
5	15/09/2023	Mr. Vineet Saxena	Axis Bank, Jaipur	010010100140515	UTI80002878	3530/-
Total						23,240/-

23,240/-

Affirmation
25.9.2023

ANNEXURE-A
PROFORMA TO TAKE APPROVAL AND PAYMENT OF EXPERT TALK FOR FACULTY

1. Name of the Faculty: Faculty of Engineering & Technology
2. Name of the Institution: PIT
3. Name of the Department: AUTOMOBILE ENGG
4. Date of Request for Approval:
5. Expert Talk arranged for Staff OR Students: Students
6. Diploma/UG/PG/Ph.D: UG & Diploma
7. Number of students (mention semester/ year)/ staff members attending the Expert Talk: 40
8. Date of the Expert Talks/ Session: 11/09/2023
9. Topic of Expert Talk /Session: Demonstration of Heat Exchanger & Evolving Technology
10. Duration of the Expert Talk/ Session: (Time Slot & Duration in Hours): 2 Sessions
11. Name of the Expert: Mr. SANDEEP PANDEY (Sanjans Scientific)
12. Name of the Organization to which the Expert Belongs and his/her designation: Co-Founder
13. Amount of Honorarium to be paid in Rs (as per PU norms): 1500/- x 2 = 3000/-
14. Amount of Travelling Allowance to be paid in Rs (as per PU norms): (250 x 2) x 10 = 5000/-
(Particulars of mode of travelling (Train/Bus/Car etc.../ total distance covered during travelling shall be mentioned along with necessary proof) RC BOOK
15. Total Amount to be paid to the Expert: 8000/-
16. Bank Account Details of the Expert:
Name and address of the Bank Branch: Mr. SANDEEP S. PANDEY
Branch Code: UNION BANK OF INDIA, VAPI
Account Number: 137210016000012
IFSC Code: UBIN0813729

Remarks and Signature of HOD with Date & application of heat exchange concepts in automobile systems.

[Signature]
25/09/2023 Dr. P. R. Patil

Remarks and Signature of the Principal with Date

[Signature]
25/9/23

Remarks and Signature of the Dean with Date:

Remarks and Signature of the Provost with Date:

[Signature]
25/9/23

Government of Gujarat
Certificate of Registration (GJ) (NT)

Reg. No.	Date of Reg.	Reg. Validity
GJ15CD8093	30/10/2015	29/10/2030
Chassis No.	Engine No.	Owner
MAT623226FLH24780	REVTRN01MUYP46104	CHANDA S PANDEY
Owner Name	Ownership Tr. Date	
CHANDA S PANDEY		

Vehicle Class: **MOTOR CAR**

Fuel Used: **PETROL**

Son/Daughter/Wife of: **SHYAMNARAYAN**

Address: **SARGAM CO OP HSG SOC B-202 CHHARWADA ROAD VAPI PARDI VALSAD VAPI GJ396195**

(GJ) (NT)

Seating Capacity	Reg. No.	Stamp N12321911
005	GJ15CD8093	
Wheel Base	Maker's Name	Financer Frame
000000 mm	TATA MOTORS LTD	
Cubic Capacity	Model Name	Registration Authority VALSAD
001193	ZEST XM 1.2RT	
Cylinder No.	Colour	
0	DUNE BEIGE	
Cylinder Validity	Body Type	
0	CAR (SEDAN)	
Month & Yr. of Mfg.	Owner's Sign	
AUGUST 2015		

ANNEXURE-A

PROFORMA TO TAKE APPROVAL AND PAYMENT OF EXPERT TALK FOR FACULTY

1. Name of the Faculty: Faculty of Engineering & Technology
2. Name of the Institution: PIT
3. Name of the Department: AUTOMOBILE ENGG.
4. Date of Request for Approval: 31/08/2023
5. Expert Talk arranged for Staff OR Students: Students
6. Diploma/UG/PG/Ph.D: Diploma & UG
7. Number of students (mention semester/ year)/ staff members attending the Expert Talk: 40 (5th sem - Diploma/UG)
8. Date of the Expert Talks/ Session: 12/09/2023
9. Topic of Expert Talk /Session: Green Energy for Circular Economy
10. Duration of the Expert Talk/ Session:(Time Slot & Duration in Hours): 3 sessions
11. Name of the Expert: Mr. Arjun Vyas (TUV SUD South Asia
12. Name of the Organization to which the Expert Belongs and his/her designation: Pvt. Ltd.)
13. Amount of Honorarium to be paid in Rs (as per PU norms): 1500/- X 3 = 4500/-
14. Amount of Travelling Allowance to be paid in Rs (as per PU norms) $(136 \times 2) \times 10 =$
(Particulars of mode of travelling (Train/Bus/Car etc.../ total distance covered 2720/-
during travelling shall be mentioned along with necessary proof)
15. Total Amount to be paid to the Expert: 7220/-
16. Bank Account Details of the Expert: Mr. ARJUN KIRITBHAI VYAS
Name and address of the Bank Branch: HDFC, BODAFDEV, AHMEDABAD
Branch Code: 49
Account Number: 50100444807269
IFSC Code: HDFC0000049

Remarks and Signature of HQD with Date
* Explore the usage of Green energy concepts to develop automotive systems. 22/09/2023
Dr. P. P. P. P. P.

Remarks and Signature of the Principal with Date
23/9/23

Remarks and Signature of the Dean with Date:
V. M. V. S.
23/9/23

Remarks and Signature of the Provost with Date:
A. K. M. S.
25-9-2023



ANNEXURE-A
PROFORMA TO TAKE APPROVAL AND PAYMENT OF EXPERT TALK FOR FACULTY

1. Name of the Faculty: Faculty of Engineering & Technology
2. Name of the Institution: PIT
3. Name of the Department: AUTOMOBILE DEPT.
4. Date of Request for Approval:
5. Expert Talk arranged for Staff OR Students: Students
6. Diploma/UG/PG/Ph.D: UG & DIPLOMA
7. Number of students (mention semester/ year)/ staff members attending the Expert Talk: 40
8. Date of the Expert Talks/ Session: 13/09/2023
9. Topic of Expert Talk /Session: ELECTRIC & HYBRID VEHICLES - FUTURE PERSPECTIVE
10. Duration of the Expert Talk/ Session: (Time Slot & Duration in Hours): 03 Sessions
11. Name of the Expert: Mr. JAISWAL C. V. (IACE GADHINAGAR)
12. Name of the Organization to which the Expert Belongs and his/her designation: Sr. Engineer
13. Amount of Honorarium to be paid in Rs (as per PU norms): 1500/- x 3 = 4500/-
14. Amount of Travelling Allowance to be paid in Rs (as per PU norms): AT THE INDUSTRY
(Particulars of mode of travelling (Train/Bus/Car etc.,/ total distance covered (TA NOT APPLICABLE) during travelling shall be mentioned along with necessary proof)
15. Total Amount to be paid to the Expert: 4500/-
16. Bank Account Details of the Expert:
Name and address of the Bank Branch: JAISWAL C. V.
Branch Code: HDFC BANK LTD, RAYSAN
Account Number: 50200048974113
IFSC Code: HDFC0005065

Remarks and Signature of HOD with Date
* Hands-on on EV & hybrid vehicles. *[Signature]* 25/09/2023

Remarks and Signature of the Principal with Date *[Signature]* 25/09/23

Remarks and Signature of the Dean with Date: *[Signature]* 25/09/23

Remarks and Signature of the Provost with Date: *[Signature]* 25-9-2023

ANNEXURE-A
PROFORMA TO TAKE APPROVAL AND PAYMENT OF EXPERT TALK FOR FACULTY

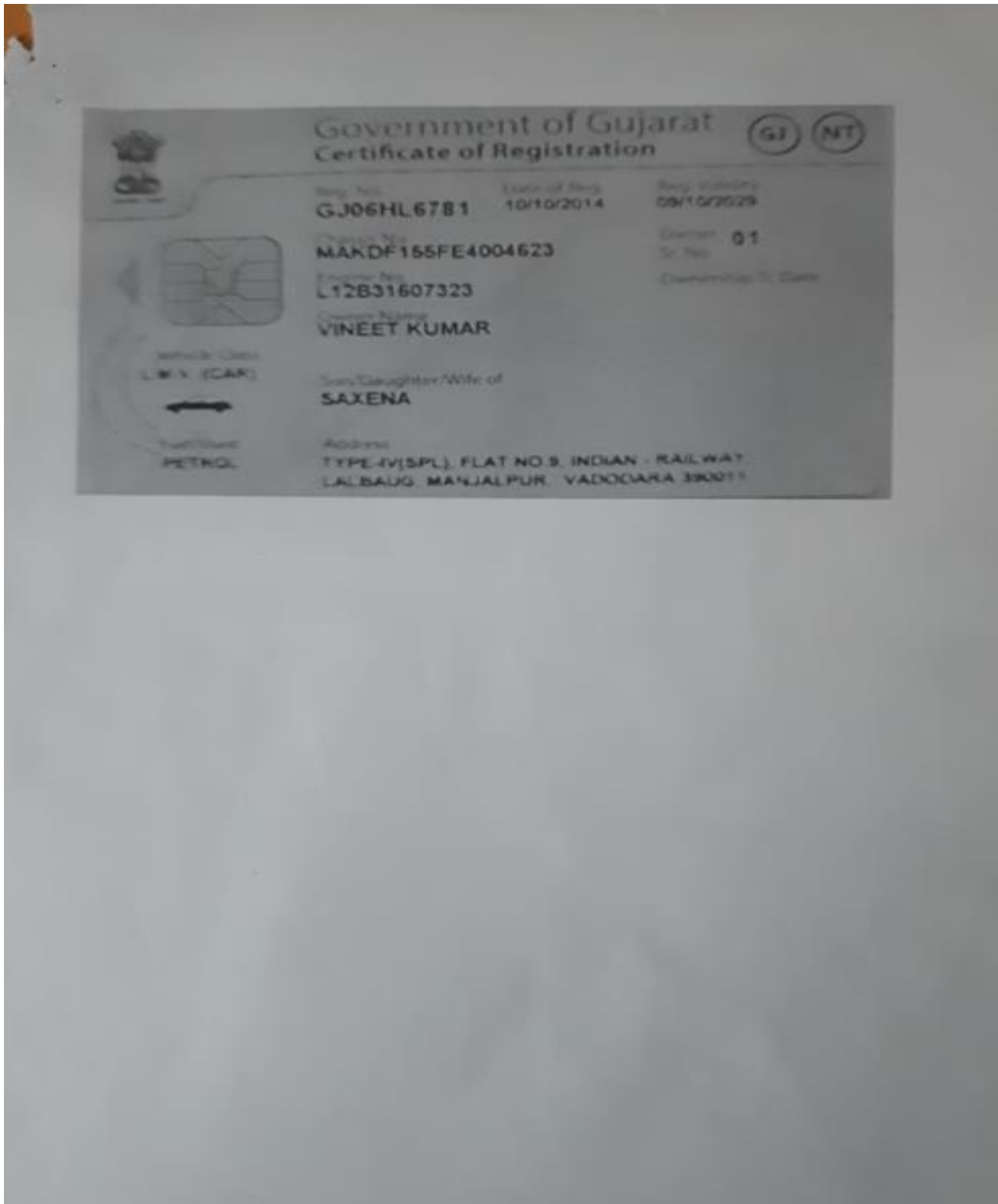
1. Name of the Faculty: Faculty of Engineering & Technology
2. Name of the Institution: PJI
3. Name of the Department: Automobile Engineering
4. Date of Request for Approval:
5. Expert Talk arranged for Staff OR Students: Students
6. Diploma/UG/PG/Ph.D: UG & Diploma
7. Number of students (mention semester/year)/ staff members attending the Expert Talk: 40
8. Date of the Expert Talks/ Session: 15/09/2023
9. Topic of Expert Talk /Session: Train Set - Emerging Technology
10. Duration of the Expert Talk/ Session:(Time Slot & Duration in Hours): 2 sessions
11. Name of the Expert: Ms. V.K. Saxena (Principal chief - Mech. Engg).
12. Name of the Organization to which the Expert Belongs and his/her designation: Indian Railways
13. Amount of Honorarium to be paid in Rs (as per PU norms): 1500/- x 2 = 3000/-
14. Amount of Travelling Allowance to be paid in Rs (as per PU norms): (26 x 2) x 10 = 520/-
(Particulars of mode of travelling (Train/Bus/Car etc.../ total distance covered during travelling shall be mentioned along with necessary proof) RC BOOK
15. Total Amount to be paid to the Expert: 3520/-
16. Bank Account Details of the Expert:
Name and address of the Bank Branch: VINEET KUMAR SAXENA
Branch Code: 002878, AXIS BANK, JAIPUR, RAJASTHAN
Account Number: 010010100140515
IFSC Code: UTIB0002878

Remarks and Signature of HOD with Date
* Emerging tech in train set (Va-be Bharat) -
22/09/2022 Dr. R. P. Patel

Remarks and Signature of the Principal with Date
23/09/23

Remarks and Signature of the Dean with Date:
24/9/23

Remarks and Signature of the Provost with Date:
APG...
25.9.2023



Name of Expert	Date of payment	Mode of payment	UTR no.
Mr. Sandeep Pandey	12/10/2023	NEFT	57500000322702
Mr. Arjun Vyas	12/10/2023	NEFT	5020009050118
Mr. Jaiswal C. V.	12/10/2023	NEFT	5020009050118
Mr. Vineet Saxena	12/10/2023	NEFT	57500000322702

Coordinators: Ass. Prof. Dhaval Sodha Ass. Prof. Bhupesh Goyal	Dr. Prathamesh Potdar Head Automobile Department	Dr. Swapnil Parikh PRINCIPAL PIT
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