



File Inward No.: ADIT/EVENTS/2022-2023/ Automobile Engineering Department, ADIT /Workshop on Design of All Terrain Vehicle

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# Workshop on Design of All Terrain Vehicle

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## **Organized by:**

*Automobile Engineering Department,  
ADIT*

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On  
3/16/2023

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Speakers:  
Mr. Chintan Mehta

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## **Faculty Coordinator(s):**

Prof. Samarth J. Shelat  
Dr. Nimit M. Patel

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# ABOUT THE EVENT

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## **OBJECTIVE OF THE WEBINAR:**

To make student aware and learn regarding design of All Terrain Vehicle.

### **Target Audience**

3<sup>rd</sup> & 4<sup>th</sup> Year Students, Faculty Members

### **Expected outcome**

From the Workshop on Design of All Terrain Vehicle, the students will have learned about ATV vehicles and their SAE Standards for ATV, Designing of ATV, Designing of Brake system, Powertrain, Driver Training, Cost & manufacturing, Dynamics analysis, Steering geometry, Suspension geometry & kinematics.

### **Schedule**

3/16/2023 To 3/16/2023

### **Location**

ADIT IDEA Lab

### **Streaming**

NIL

# ABOUT THE SPEAKER

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<b>Name of the Speaker</b>	Mr. Chintan Mehta
<b>Specialization/Expertise</b>	The specialization are as; - Racetrack (Traction Motodrome) - National Racing Team (Hypersonic Motorsports) - Automotive & Racing Academy - Website (Posting Technical Articles) - Racing Prediction League - In-House Events - Racetrack Designing - Educational Seminars (For Engineering Students) - Small Scale Manufacturing & Production (Motorcycle & Kart Parts)
<b>Designation</b>	Owner & Founder: AutoZiast Automotives LLP & Traction Motodrome
<b>Company</b>	AutoZiast Automotives LLP Mr. Chintan Mehta Founder-AutoZiast Automotives LLP
<b>Address (City &amp; Country)</b>	Unnamed Road, Ampad, Vadodara-391101, Gujarat
<b>Email-id</b>	autoziast@gmail.com
<b>Phone No.</b>	+91 8306072193

**Image of the Speaker:**

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**Brief points discussed during the webinar:**

- SAE Standards for ATV
- Designing of ATV
- Designing of Brake system
- Powertrain
- Driver Training
- Cost & manufacturing
- Dynamics analysis, Steering geometry
- Suspension geometry & kinematics.

## Details of the Participants

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**Total No of participants registered:** 51

**Total No of participants present:** 43

**No. of Participants from ADIT:** 43

**No. of Participants from other Institutes:** 00

## Details of the Faculty Coordinators

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	<b>Faculty Coordinator 1</b>	<b>Faculty coordinator 2</b>
<b>Name</b>	Prof. Samarth J. Shelat	Dr. Nimit M. Patel
<b>Department</b>	Automobile Engineering	Automobile Engineering
<b>Designation</b>	Assistant Professor	Assistant Professor

## Details of the Student Coordinators

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	<b>Student Coordinator 1</b>	<b>Student coordinator 2</b>
<b>Name</b>	Neel Kakkad	Evaan Baxi
<b>Department</b>	Automobile Engineering	Automobile Engineering

# Images of the Event



# Images of the Poster/ Banner



## Workshop on Design of All Terrain Vehicle

### Content

- SAE Standards for ATV, Designing of ATV
- Designing of Brake system
- Powertrain, Suspension geometry & kinematics
- Driver Training, Steering geometry
- Cost & manufacturing, Dynamics analysis

### Resource Person

Mr. Chintan Mehta,  
Founder- AutoZiast Automotives LLP,  
Vadodara.



**Date:**  
16<sup>th</sup> March 2023

**Coordinators**  
Prof. Samarth J. Shelat  
Dr. Nimit M. Patel

### Registration link

<https://forms.gle/kL1268C3gmLSkUyba4>





Date: 13.03.2023

To,  
Mr. Chintan Mehta  
Founder-AutoZiast Automotives LLP  
Unnamed Road, Ampad,  
Vadodara-391101, Gujarat

Dear Sir,

It is my privilege and immense pleasure to invite you as an expert for an interactive session at Department of Automobile Engineering, ADIT on 16<sup>th</sup> March 2023. The session is organized as Seminar/workshop On "Design of All Terrain Vehicle" in association with Automobile Engineering Department, SAE Collegiate club of ADIT, ISTE Chapter and Centre of Excellence in E-Mobility; Sponsored by SSIP, Gujarat (Student Startup & Innovation Policy). The expected audience are Third & Second year of Automobile Engineering along with Faculty Members. Our goal is to bring together bright minds to give talks that are idea-focused, and at the same time foster learning, inspiration and wonder and provoke conversations/innovations that matter. The purpose of this session is to make student aware and learn regarding Design of All Terrain Vehicle.

In closing, I would be pleased and honored if you convey your consent to this invite. Your expertise would be an excellent addition to our event. Looking forward to welcome you at our Institute.

Thanking you,

Regards,

Prof. Samarth J. Shelat  
Event Coordinator  
Automobile Engineering , ADIT

Dr. Sanjay M. Patel  
Head,  
Automobile Engineering , ADIT

**A D PATEL INSTITUTE OF TECHNOLOGY**

(An ISO 9001:2015 & ISO 27001:2013 Certified College of CVM University)

S/75, IV Phase, G.I.D.C., Vithal Udyognagar, New Talash Vidyanagar - 388121

022952 - 233660 | info@adit.ac.in, principal@adit.ac.in | www.adit.ac.in

NBA Accredited in Food Processing Tech., Mechanical Engg., Information Tech., Electrical Engg. upto 30/06/2022



3/17/23, 1:23 PM A.D.Patel Institute of Technology Mail - Invitation for Workshop on "Design of All Terrain Vehicle" on 16.03.2023, 10:00 AM To ...



Prof. Samarth Shetal <ss.shetal@adit.ac.in>

## Invitation for Workshop on "Design of All Terrain Vehicle" on 16.03.2023, 10:00 AM To 01:00 PM.

AutoZast <autozast@gmail.com>  
To: "Prof. Samarth J. Shetal" <ss.shetal@adit.ac.in>  
Cc: "Head Automobile Engg." <head\_ae@adit.ac.in>

Mon, Mar 13, 2023 at 2:51 PM

Hello Sir, we at AutoZast would love to associate with our esteemed Alma Mater and as per our conversation with Prof. Samarth J. Shetal we have everything required at the venue to execute the above mentioned Seminar/Workshop.

A team of three with One Spokesperson and Two Associates will be arriving at the venue on 16th March, 2023 at 9:30am and we shall take it forward from there.

Regards,

**AutoZast Automotives**  
+91 9054 46 2917  
{Quoted text hidden}

<https://mail.google.com/mail/u/2/?ik=b3d305c117&view=pt&search=all&permmsgid=msg-f:1760243779240023828&simpl=msg-f:1760243779240...> 1/1



Date: 17.03.2023

To,  
Mr. Chintan Mehta  
Founder-AutoZiast Automotives LLP  
Unnamed Road, Ampad,  
Vadodara-391101, Gujarat

Dear Sir,

At the outset, I would like to take this opportunity to express my heartfelt thanks to you for accepting our invitation and delivering an expert lecture entitled "Workshop on Design of All Terrain Vehicle", during the event on 16<sup>th</sup> March 2023. The ease with which you presented the essential crux of the years of your research and experience was profoundly interesting. I really appreciate your effort to understand and address the audience's intents during the session which made the interaction more relevant, thought provoking and enthralling experience for the attendees. Your views regarding All-Terrain Vehicles provided thoughtful insights and have broadened our horizons. I am gratified that you could spare some moments for the session despite your busy schedule. Please do accept my heartfelt thanks and the same from the Dr. Sanjay M. Patel, Head of the Department, Automobile Engineering and Dr. Vishal Singh, Principal of A. D. Patel Institute of Technology.

Thank you again for your time and valuable interaction. We look forward to continue such interaction in future also.

Thanking you,

Regards,

Prof. Samarth J. Shelat  
Event Coordinator  
Automobile Engineering , ADIT

Dr. Sanjay M. Patel  
Head,  
Automobile Engineering , ADIT

**A D PATEL INSTITUTE OF TECHNOLOGY**

ADIT 39910101 is Constituent College of CVM University  
87h IV Phase, S.D.C. Vithal Vilasnagar, New, Valath Vilasnagar - 390121  
02292 - 223882 | info@adit.ac.in, principal@adit.ac.in | www.adit.ac.in  
NSA Accredited in Field Processing Tech., Mechanical Engg., Information Tech., Electrical Engg. upto 10/06/2022



**A D PATEL INSTITUTE OF TECHNOLOGY**  
A CONSTITUENT COLLEGE OF CVM UNIVERSITY  
AUTOMOBILE ENGINEERING DEPARTMENT

All Automobile Engineering students may attend the workshop as per the following schedule.

**Topic: "Workshop on Design of All Terrain Vehicle"**

**Date: 16<sup>th</sup> March 2023**

Following topic to be covered:

- SAE Standards for ATV
- Designing of ATV
- Designing of Brake system, Powertrain, Driver training, Cost & manufacturing, Dynamics analysis, etc.


Students are requested to note the following Details:

- Name of Expert : Mr. Chintan Mehta, Founder-AutoZiast Automotives LLP, Vadodara.
- Date : 16<sup>th</sup> March 2023
- Timing : 10:00 AM to 01:00 PM

↓ **Event Organized by:** Automobile Engineering Department in association with SAE Collegiate club of ADIT, ISTE Chapter and Centre of Excellence in E-Mobility.

↓ **Supported by:** SSIP, Gujarat (Student Startup & Innovation Policy)

  
13/03/2023  
**Prof. Samarth J. Shelat**  
Coordinator,  
Automobile Department

  
13/3/23  
**Dr. Nimit M. Patel**  
Faculty Incharge  
E-Mobility, ADIT

  
13.3.23  
**Dr. Sanjay M. Patel**  
Head,  
Automobile Department

**A D PATEL INSTITUTE OF TECHNOLOGY (CVM UNIVERSITY)****AUTOMOBILE ENGINEERING DEPARTMENT**

ATTENDANCE: "WORKSHOP ON DESIGN OF ALL TERRAIN VEHICLES" (16.03.2023)

Sr. No.	Enrolment Number	Student Name	Signature
1	12002010601001	GUJAR BHAVIK AJAYKUMAR	<i>J. Gujar</i>
2	12002010601002	BAXI EVAAN BIJAL	<i>B. Baxi</i>
3	12002010601003	VARMA HARSH SHARADKUMAR	<i>V. Harsh</i>
4	12002010601004	HARSH UPESHKUMAR JANI	<i>H. Harsh</i>
5	12002010601005	PATEL JEET RUPESHKUMAR	<i>J. Patel</i>
6	12002010601006	DARJI KRAN VIKRAMKUMAR	<i>K. Darji</i>
7	12002010601007	MACHHI KEVAL RAJESHBHAI	<i>M. Machhi</i>
8	12002010601008	KACHHIYA MEET RAKESHBHAI	
9	12002010601009	PATEL PARTH JIGARBHAI	<i>P. J. Patel</i>
10	12002010601011	PATEL RONAK RAJESHBHAI	<i>R. P. Patel</i>
11	12002010601012	SHAH SHUBHAM LAHERILAL	<i>S. Shah</i>
12	12002010601013	VARDHAN MITESHBHAI DESAI	<i>V. Desai</i>
13	12002010601014	VEDANT RATHOD RITESHBHAI	<i>V. Rathod</i>
14	12002010601015	VHORA RAIYAN MAHAMMAD HUSEN	<i>V. Hora</i>
15	12002010601016	PATEL YASHBHAI VIJAYBHAI	<i>Y. Patel</i>
16	12102010603001	MISTRY DHURUV ASHOKBHAI	<i>D. Mistry</i>
17	12102010603002	PARMAR HEET PRAKASHBHAI	<i>H. Parmar</i>
18	12102010603003	KAKKAD NEEL SHAILESH	<i>N. Kakkad</i>
19	12102010603004	NIKUNJ UMESHBHAI PATEL	<i>N. Patel</i>
20	12102010603005	PATEL PARTH RAKESHBHAI	<i>P. Patel</i>
21	12102010603006	TIRTH KOTADIA	<i>T. Kotadia</i>
22	12102010603007	OMKARSINH JAYDEEPSINH RAOL	<i>O. Raol</i>
23	12202010605001	VRAJ KALPESH PATEL	
24	12102090603010	Hira mahwana	<i>H. Mahwana</i>
25	12002090601011	Sagar solanki	<i>S. Solanki</i>
26	12102090603016	Jadav Mahesh	<i>M. J. Jadav</i>
27			
28			

**A D PATEL INSTITUTE OF TECHNOLOGY (CVM UNIVERSITY)**  
**AUTOMOBILE ENGINEERING DEPARTMENT**

ATTENDANCE: "WORKSHOP ON DESIGN OF ALL TERRAIN VEHICLES" (16.03.2023)

Sr. No.	Enrolment Number	Student Name	Signature
1	12102010601001	PATEL DEV NIMESHKUMAR	
2	12102010601002	RAKHASIA DHRUVIN CHANDRESHBHAI	
3	12102010601003	VHORA HUSEN ZAKIRBHAI	
4	12102010601005	VAGHELA KRISH YASHVANTBHAI	
5	12102010601006	PATEL MEET RAKESHKUMAR	
6	12102010601008	SORATHIYA PREET KANAIYALAL	
7	12102010601009	SOLANKI RUSHIKESH PARIMALBHAI	
8	12102010601010	BOBIN SHOBHIT E	
9	12102010601011	SHAH VANDIT JAYESHBHAI	V. J Shah
10	12202010603001	PATEL ADIT PANKAJKUMAR	
11	12202010603002	THAKOR DHRUV SHAILESHBHAI	
12	12202010603003	PATEL DHRUVKUMAR KALPESHKUMAR	D.K. Patel
13	12202010603004	PATEL GAURANG JAYESHBHAI	
14	12202010603005	KUMAR KISHAN	
15	12202010603006	PARMAR KULDEEP MANSINH	K.M.P
16	12202010603007	PATEL MAAN CHIRAGBHAI	M.C. Patel
17	12202010603008	MAKHECHA MAHIR KALPESHBHAI	
18	12202010603009	BHAVSAR MALHAR JIGAR	
19	12202010603010	GAJJAR MIHIR RAKESHKUMAR	
20	12202010603012	JOSHI RAJ HASMUKH	
21	12202010603013	KADAM RISHI ROHIT	
22	12202010603014	PATEL RUSHABHBHAI RAMCHANDRABHAI	R.R. Patel
23	12202010603015	PATEL SHAIL VIPULKUMAR	
24	12202010603016	SAVANT SHANKAR MOHAN	
25	12202010603017	MODI SMIT SANJAY	
26	12202010603018	SIDDHPURIA TEJ PREMALKUMAR	
27	12202010603019	MAKWANA VEDANT RAMESHBHAI	
28	12202010603020	BHAVSAR YASH BHAVSAR	