



**ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES (A)**

**DEPARTMENT OF MECHANICAL ENGINEERING**

(Permanently Affiliated to Andhra University, AICTE, Accredited by NBA & NAAC with 'A' Grade)  
Sangivalasa-531162, BhiccunipatnamMandal, Visakhapatnam Dt.  
Phone 08933-225084, 226395

Date: 29-02-2016.

To  
The Principal,  
ANITS.

Sir,

**Sub:** Request for organizing 5- Day workshop on Automobile and vehicle Dynamics - Reg.

We are planning to organize a 5- Day workshop on **Automobile and vehicle Dynamics** to enhance the theory and practical skills in the area of Automobile field, as the subject belongs to core Mechanical Engineering. The workshop is organized in collaboration with ELITE TECHNO GROUPS from 2<sup>nd</sup> to 6<sup>th</sup> March, 2016. The total number of students who are willing to attend the workshop is around 100.

Hence we request your kind permission for organising the workshop.

To  
HOD (Mech)

Apjd.

Pl. components  
the cranswork



29.2.16  
I/c HOD  
Mech. Dept.

**PROFESSOR & HEAD**  
Department of Mechanical Engineering  
ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCE  
Sangivalasa-531 162 VISAKHAPATNAM,Dist. A.P

29/2/16



Inspiring Young Generation



ELITE TECHNO  
GROUPS

# **5 DAY TRAINING PROGRAM ON AUTOMOBILE AND VEHICLE DYNAMICS**

**5-Day workshop**

**FROM THE TEAM OF FORMULA 1 RACING MARSHALS**

**20**  $\frac{15}{16}$

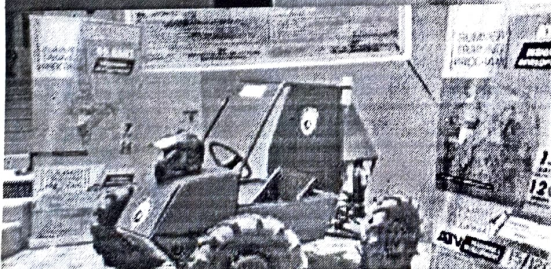
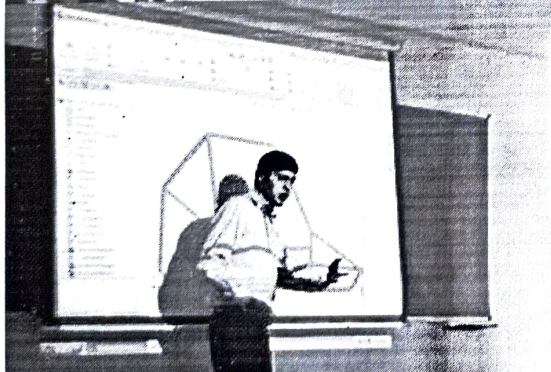




The founder  
engineer  
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20  $\frac{15}{16}$

**5 DAY TRAINING PROGRAM ON  
AUTOMOBILE AND  
VEHICLE DYNAMICS**





## Who we are

The founder of *Elite Techno Groups*, Himanshu Arora found it in themselves to respond to the need of industry ready engineers in the mechanical/automobile segment. *Elite Techno Groups* work towards helping students embrace the industry requirements by exposing them to real world scenarios and providing them with the impetus to apply their skills and knowledge to tackle the issues presented.

## How we do

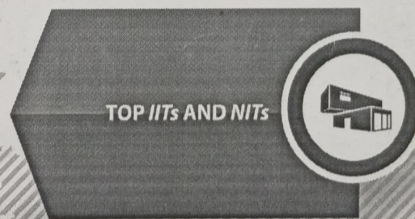
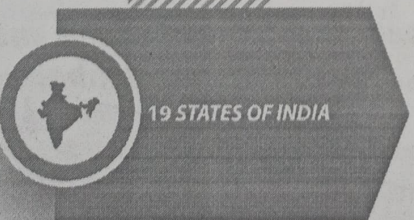
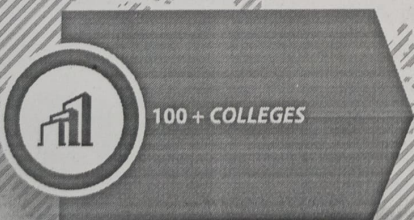
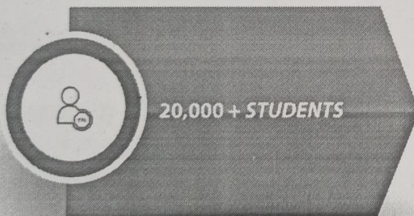
*Elite Techno Group* organizes training programs where our expert faculties conduct the workshop in an interactive manner with the participants working on the application of what they are taught during the course of the workshop. Various individual and team based exercises are conducted so that our future engineers are comfortable working with others as they are with themselves.

Also, in light of the recently developing racing event in India which has captured the interest of all the major colleges and students, we offer specially designed courses to give students a head start as they begin to design & fabricate their cars for BAJA-SAE, SUPRA-SAE/F-SAE, Go-kart events.

## What makes us different

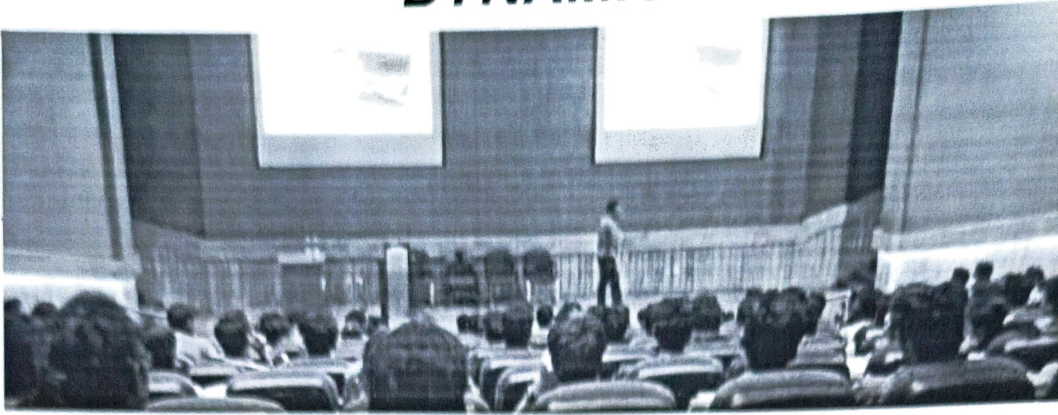
*Elite Techno Groups* has a dedicated team of faculties that leaves no stones unturned in educating and motivating their students to dream big. Our logistics team ensures that our students have the necessary equipment to engage in various pre-determined exercises during the workshop. These equipment's are in compliance to industry standards so that they have a simulated experience of the industry.

But above all, the reason why we are good in what we do is that we maintain a personal bond with our students. Our staff ensures that the students feel at ease with the faculties during any conversation within or outside the classrooms. Be it a random doubt or some obstacle during the preparation for a competitive event, our faculties will get the students out of bind.





# India's biggest "AUTOMOBILE & VEHICLE DYNAMICS" Training Program



## Main Highlights of the 5 day,

- Automobile engineering - 2 day (16 hours)
- Dynamic balancing - 2 day (16 hours)
- Practical session for hand on experience - 1 day (8 hours)

**1) Static:** In this part we will be discussing static parts of automobile that how each and every component works,

- Fundamentals of chassis design
- Suspension system
- Braking system
- Steering system
- Engine working and fundamentals
- Types of chassis, braking, steering, suspension and their disadvantages and advantages

**2) Dynamics:** In this part we will be discussing dynamics of automobile in deep and discuss how to balance all the components of a car,

- Steering dynamics for designing & balancing of an ATV vehicle.
- Braking performance triangles – balancing of brakes for an ATV vehicle
- Calculation of steering, suspension & braking system
- Derivation of drifting equation and turning equation – balancing of steering system for commercial cars and racing cars (case study on balancing of ATV steering system)
- Rendering tools, chassis designing parameters – designing & balancing of space frame chassis for ATV designs
- F.E.A – stress analysis on chassis design (space frame of an ATV), front impact, side impact and roll over testing of frame

**Designing of suspensions – first in grid sheets and then complete analysis of designing parameters – case study on designing of double wishbone suspension for ATV**

## 3) Practical Session:

**Practical working of engine will be experienced by the participants while disassembling and assembling a multi cylinder car engine.**



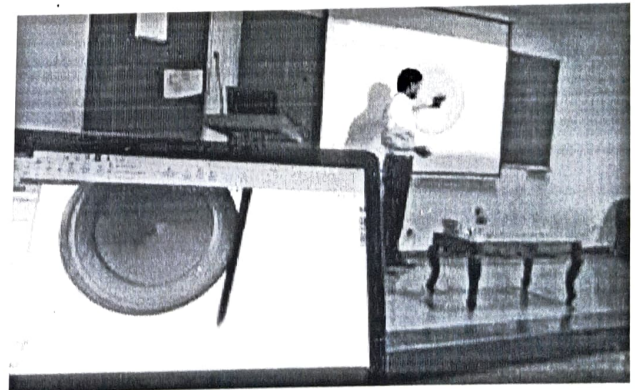
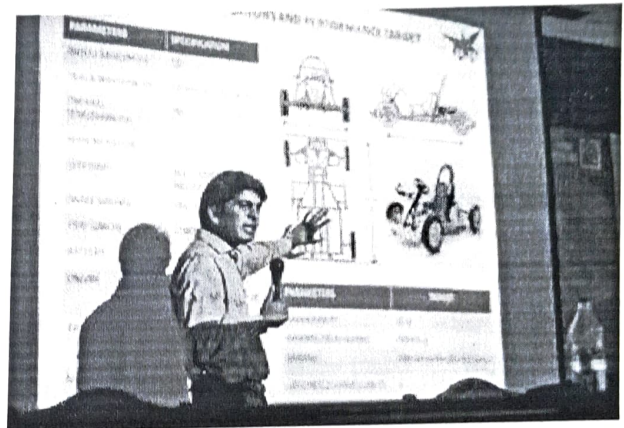
# Day wise description

## Day 1 Topics,

- Introduction to "Automobile Engineering"
- Difference b/w super, ATV, sports, formula car
- Chassis
- Goals of chassis
- Types of chassis: a) Monocoque b) Ladder-frame c) Space-frame d) Back-bone chassis
- Types of cars based on that
- Rigidity and uses of different types of chassis
- Suspension system design parameters
- Types of suspension springs
- Uses and applications of each
- Concept of all terms related to suspension designing (camber / caster / king pin inclination / toe angle / bump & rebound / spring rate / camber thrust / jacking forces)
- Types of dampers and application
- Suspension mechanisms

## Day 2 Topics,

- Steering mechanism
- Types of steering mechanism
- Co-ordinate system for mechanism
- Euler angles
- Turning radius
- Cornering stiffness
- Slip angle
- Jacobian matrix application in automotive dynamics
- Steering ratio
- Derivation of turning equation
- Concept of understeer and oversteer
- Concept of drifting
- Suspension designing and balancing parameters
- F.E.A
- Anti-dive and anti-squat geometry
- Balancing of double wishbone suspension for offroad and on road application
- Spring rate and dynamic camber calculation
- Camber change rate
- Front view swing arm & side view swing arm length calculation
- Braking mechanism
- Braking dynamics
- Braking performance triangles
- Braking dynamics
- Braking performance triangles



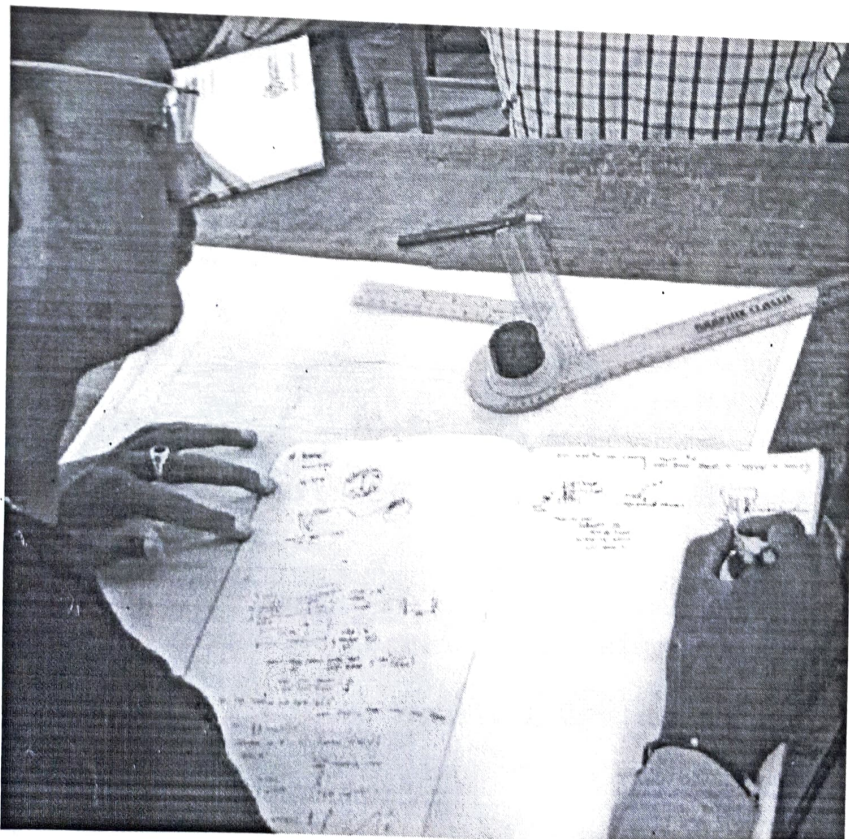


## Day 3 Topics,

- Basic working of I.C. engine, types and categorization
- Components of an I.C. engine
- Valve timing diagram and its optimization for performance as well as economy
- Dynamics of I.C. engine
- Tuning parameters of a spark ignition-four stroke fuel injector single cylinder engine
- Intake manifold roughness calculation and advantages
- Optimization of volumetric, combustion and thermal efficiency for a commercial vehicle engine

## Day 4 Topics,

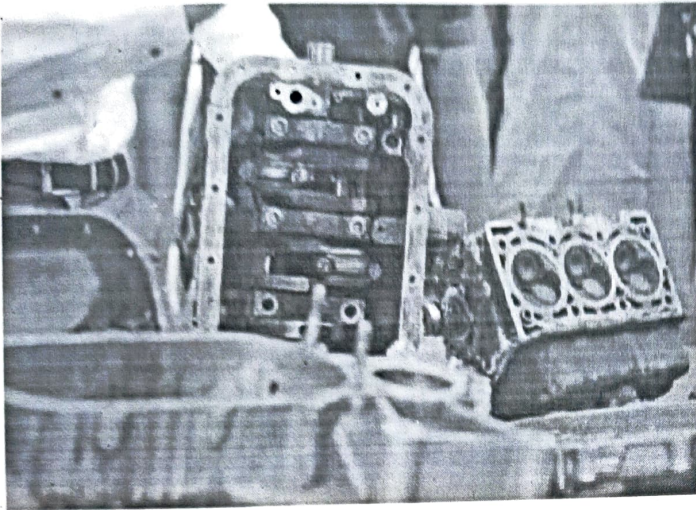
- Fundamentals of aerodynamics
- Physical & mathematical explanation of flight
- Application of aerodynamics in automobile industry





## Day 5 Topics,

- Practical session on IC engine assembly and disassembly



## Certification

All the participants will be given "Certificate of Participation" and 5 students will get "Certificate of Appreciation" (on basis of a test taken at the end of training program) issued by "ELITE TECHNO GROUPS".

## Requirements from college

- Seminar hall with a capacity of 200 students
- Projector system and mike system facility
- Accommodation facility for the faculty

## Course Kit

- Every participant will get a course book on "Automobile & Vehicle Dynamics".
- A DVD containing 32 e-books, videos on subsystem of automobile and videos tutorials for further references.

## Course fee

Fee for per participant including the kit & 14% service tax will be Rs. 2850/- only.



# ***AUTOMOBILE AND VEHICLE DYNAMICS***

**FROM THE TEAM OF FORMULA 1 RACING MARSHALLS**

**20  $\frac{15}{16}$**

## **ELITE TECHNO GROUPS**

418, Jaipur Electronic Market,  
Riddhi Siddhi Circle, Gopalpura Bypass,  
Jaipur. INDIA 302018

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Facebook.Twitter.Instagram.Youtube

*Inspiring Young Generation*





# ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

UGC AUTONOMOUS

(Permanently Affiliated to Andhra University, Approved by AICTE, Accredited by NBA & NAAC with 'A' Grade)

SANGIVALASA -531 162, BHEEMUNIPATNAM MANDAL, VISAKHAPATNAM DIST,

Phones: **08933 225083, 225084, 226131** Fax: **08933 226395**

## AUTOMOBILE AND VEHICLE DYNAMICS

### Contents of workshop:

- Introduction to Automobile Engineering, chassis, suspension mechanism.
- Steering mechanism, FEA, breaking mechanism.
- basic concepts of IC Engines.
- Aerodynamics.

### Course outcomes: The student will be able to

- Distinguish the different systems in an automobile and describe their functioning.
- Identify the components of an IC Engine and further understand the significance of the working parameters on the efficacy of engine.
- Analyze the basics of dynamics involved in automobile design.
- Identify the forces exerted on the suspensions of an automobile and further use them in its design.
- Apply the fundamental design concepts for chassis design and its stress analysis.
- Execute the disassembling and assembling of a multi cylinder car engine.

  
HOD

Mech. Engg.

**PROFESSOR & HEAD**  
Department of Mechanical Engineering  
ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCE  
Sangivalasa-531 162 VISAKHAPATNAM Dist A P



LIST OF STUDENTS ATTENDED FOR 5DAYS AUTOMOBILE WORKSHOP  
FROM 2<sup>nd</sup> to 6<sup>th</sup> March 2016


No	StudentName	Corrections (if any)
1	ABHISHEK JENA	
2	AKELLA VENKATA KOUSHIK	
3	ATLURI TARUNSAI	
4	BANISETTY SOMESWAR RAO	
5	BODANKI VINEETH NAIDU	
6	BONI SADGURUNAG KAUSHIK	
7	CHINTADA VINAY	
8	DEVABATHULA NITESH	
9	DUDDU SAI SRI RAM	
10	DUNNA MAHESH KUMAR	
11	GANDI JANARDHAN	
12	GORREPATI PRADEEP CHANDRA	
13	GUDUPU GOPI RAVI TEJA	
14	GULLAPUDI GIRISH	
15	K M N BHARGAV REDDY	
16	KALISETTI G V SAI SASI VARDHAN	
17	KARANAM BABU SAI SRIVASTA SRI VATSA	✓
18	KARUKONDA UMAMAHESH	
19	KENUGUVA GOUTHAM	✓
20	KOLLATI NANDA SAI KUMAR	
21	KOMMANAPALLI JAWAHAR	
22	KUNISETTY VIJAY BABU	
23	MALLA UDAY HARSHA VARDHAN	
24	MEKA VINEETH RAGHAVA	
25	TARA SHALEM SAMRAJ	
26	THUNUGUNTA VENKATA SAI KRISHNA MANOJ KUMAR	
27	Y RAJESH	
28	BEVARA CHARAN TEJA	
29	BOLEM VENKATA KUMARI SUSMITHA	✓
30	BOTTA PRATHYUSHA	
31	BUGATHA YAGNA NARAYANA	
32	CHAPPA YERNI PAVAN MOULI	
33	CHILUKOTI SAI SWETHA	
34	DURGAM SAI SRAVYA SANJUSHA	
35	EASARI MOUNIKA	
36	GHANTASALA PHALGUNA <del>RAJU</del> RASU	✓
37	GIRADA PRASANTHI	
38	GOLLAPALLI SAHANA	
39	GOLLU MEGHA SHYAM	
40	GORLE HARIKANTH	
41	GOWRIPATTAPU SIVAPADMAJA	
42	GUDLA SRAVYA	
43	KANITI PRAVEEN	
44	KILARAM JYOTSHNA	
45	KILLAMSETTI MANOHAR	
46	KONA HEMANTH KUMAR HEMANTH KUMAR	
47	LAGUDU HEMALATHA	
48	MADDU VIJUSHA	
49	MADUGULA PAVAN TEJA	
50	MALLAPUREDDY RIDVIK	
51	MEHER KRISHNA TEJA APPIGATLA	

7/3/16



LIST OF STUDENTS ATTENDED FOR 5 DAYS AUTOMOBILE WORKSHOP  
FROM 2nd to 6th March 2016

52	MODUKURU NAGA LAKSHMI TEJASWI	Teja
53	MULAKA SRAVAN KUMAR	M. Sraavan Kumar
54	NARTHU BHAVANI	N. Bhavani
55	NITIN SANGANA	Nitin
56	PAILA CHANDINI	P. Chandini
57	PAPPU ANIL KUMAR	P. Anil Kumar
58	PEDAGOPU GNANA SAI	G. Sai
59	PERICHERLA HEMANTH KUMAR VARMA	Hemant
60	PILAKA HARSHA NANDHAN REDDY	P. Harsha
61	PILLUTLA VENKATA SARAT CHANDRA	P. Sarath Chandra
62	RAJULAPATI GANESH	R. Ganesh
63	RAPARTHI VENKATA HIMA MAHESHWARI	R.V.H. Maheswari
64	RAPETI VIVEK	R. Vivek
65	RAVINUTHALA KRISHNA MANOJ	R.K. Manoj
66	RUMANA	Rumana
67	SAHIL ALAM KHAN	Sahil
68	SAYED GULSHANUDDIN	Sayed Gulshan
69	SIDDHA MEENA VIKAS	Siddha Meena Vikas
70	SIRUSUPALLI V S SARATH CHANDRA	S. Sarath Chandra
71	SUDHIR KUMAR PANDAVA	Sudhir
72	SUJAN KUMAR YAKASIRI	Sujan
73	SURYADEVARA SURYA TEJA	Surya Teja
74	TANGETI NAGA SAI SRAVAN	T. Sai Sraavan
75	TEDLAPU ARAVIND	T. Aravind
76	TIGIRIPALLI MOUNICA	T. Mounica
77	UPMAKA BHARAT SAI DHEERAJ	U. Bharat Sai Dheeraj
78	VASASMSETTI SHARNU KUMAR	V. Sharnu Kumar
79	YAVVARI ANIL KUMAR	Y. Anil Kumar
80	GALI RAJ MANESH	G. Raj Manesh
81	AVULASOMAYAJULA SREE RAM • <del>AVULASOMAYAJULA</del> ✓	A. Sree Ram
82	ALETI BHAVANA	A. Bhavana
83	BUDAGATLA HARIKA	B. Harika
84	GANIVADA AKHILESH	G. Akhilesh
85	MAGATAPALLI ESWAR RAO	M. Eswar Rao
86	MEDABALA HEMANTH	M. Hemant
87	MEEGADA UDAY SHANKAR	M. Uday Shankar
88	MOHAMMED ASHRAFULLA	M. Ashrafulla
89	NALLURI SAICHANDU	N. Saichandu
90	ORUGANTI VENU GOPAL REDDY	O. Venu Gopal Reddy
91	PASUPULETI VISHNU VARDHAN	P. Vishnu Vardhan
92	PEETHA JAYA SREE	P. Jaya Sree
93	PITTA KODANDA RAM REDDY	P. Kodanda Ram Reddy
94	POTHU RAMESH	P. Ramesh
95	RABILLI HARSHITHA	R. Harshitha
96	SHAIK IRFAN	S. Irfan
97	SUNKARI SUNIL	S. Sunil
98	TAMMINENI RAVITEJA	T. Raviteja
99	VADADA TEJASWINI	V. Tejaswini
100	SANDHYA BHARATHI CHITTAPULI	S. Sandhya
101	BODDU DURGA SURENDRA BABU	B. Surendra Babu
102	BONU UDAY KIRAN	B. Uday Kiran

CO-ORDINATOR -   
(M. PREM DHEERAJ)



# List of Students attended for 5days Automobile Workshop

Sl No	Yr-Sec	Regd No.	Student Name
52	2/4 - Sec B	314126520099	MODUKURU NAGA LAKSHMI TEJASWI
53	2/4 - Sec B	314126520101	MULAKA SRAVAN KUMAR
54	2/4 - Sec B	314126520107	NARTHU BHAVANI
55	2/4 - Sec B	314126520110	NITIN SANGANA
56	2/4 - Sec B	314126520112	PAILA CHANDINI
57	2/4 - Sec B	314126520116	PAPPU ANIL KUMAR
58	2/4 - Sec B	314126520119	PEDAGOPU GNANA SAI
59	2/4 - Sec B	314126520121	PERICHERLA HEMANTH KUMAR VARMA
60	2/4 - Sec B	314126520123	PILAKA HARSHA NANDHAN REDDY
61	2/4 - Sec B	314126520124	PILLUTLA VENKATA SARAT CHANDRA
62	2/4 - Sec B	314126520132	RAJULAPATI GANESH
63	2/4 - Sec B	314126520133	RAPARTHI VENKATA HIMA MAHESHWARI
64	2/4 - Sec B	314126520135	RAPETI VIVEK
65	2/4 - Sec B	314126520136	RAVINUTHALA KRISHNA MANOJ
66	2/4 - Sec B	314126520138	RUMANA
67	2/4 - Sec B	314126520140	SAHIL ALAM KHAN
68	2/4 - Sec C	314126520145	SAYED GULSHANUDDIN
69	2/4 - Sec C	314126520150	SIDDHA MEENA VIKAS
70	2/4 - Sec C	314126520153	SIRUSUPALLI V S SARATH CHANDRA
71	2/4 - Sec C	314126520154	SUDHIR KUMAR PANDAVA
72	2/4 - Sec C	314126520155	SUJAN KUMAR YAKASIRI
73	2/4 - Sec C	314126520156	SURYADEVARA SURYA TEJA
74	2/4 - Sec C	314126520158	TANGETI NAGA SAI SRAVAN
75	2/4 - Sec C	314126520159	TEDLAPU ARAVIND
76	2/4 - Sec C	314126520160	TIGIRIPALLI MOUNICA
77	2/4 - Sec C	314126520162	UPMAKA BHARAT SAI DHEERAJ
78	2/4 - Sec C	314126520164	VASASMSETTI SHARNU KUMAR
79	2/4 - Sec C	314126520168	YAVVARI ANIL KUMAR
80	2/4 - Sec C	314126520188	GALI RAJ MANESH
81	3/4 - Sec A	313126520006	A SREE RAM
82	3/4 - Sec A	313126520007	ALETI BHAVANA
83	3/4 - Sec A	313126520022	BUDAGATLA HARIKA
84	3/4 - Sec A	313126520036	GANIVADA AKHILESH
85	3/4 - Sec A	313126520061	MAGATAPALLI ESWAR RAO
86	3/4 - Sec A	313126520068	MEDABALA HEMANTH
87	3/4 - Sec A	313126520070	MEEGADA UDAY SHANKAR
88	3/4 - Sec A	313126520072	MOHAMMED ASHRAFULLA
89	3/4 - Sec B	313126520075	NALLURI SAICHANDU
90	3/4 - Sec B	313126520076	ORUGANTI VENU GOPAL REDDY
91	3/4 - Sec B	313126520079	PASUPULETI VISHNU VARDHAN
92	3/4 - Sec B	313126520080	PEETHA JAYA SREE
93	3/4 - Sec B	313126520084	PITTA KODANDA RAM REDDY
94	3/4 - Sec B	313126520086	POTHU RAMESH
95	3/4 - Sec B	313126520088	RABILLI HARSHITHA
96	3/4 - Sec B	313126520097	SHAIK IRFAN
97	3/4 - Sec B	313126520101	SUNKARI SUNIL
98	3/4 - Sec B	313126520107	TAMMINENI RAVITEJA
99	3/4 - Sec B	313126520110	VADADA TEJASWINI
100	3/4 - Sec B	313126520121	SANDHYA BHARATHI CHITTAPULI
101	3/4 - Sec B	313126520132	BODDU DURGA SURENDRA BABU
102	3/4 - Sec B	313126520143	BONU UDAY KIRAN



# List of Students attended for 5days Automobile Workshop

Sl No	Yr-Sec	Regd No.	Student Name
1	1/4 - Sec A	315126520001	ABHISHEK JENA
2	1/4 - Sec A	315126520005	AKELLA VENKATA Koushik
3	1/4 - Sec A	315126520012	ATLURI TARUNSAI
4	1/4 - Sec A	315126520017	BANISSETTY SOMESWAR RAO
5	1/4 - Sec A	315126520022	BODANKI VINEETH NAIDU
6	1/4 - Sec A	315126520026	BONI SADGURUNAG KAUSHIK
7	1/4 - Sec A	315126520031	CHINTADA VINAY
8	1/4 - Sec A	315126520041	DEVABATHULA NITESH
9	1/4 - Sec A	315126520045	DUDDU SAI SRI RAM
10	1/4 - Sec A	315126520047	DUNNA MAHESH KUMAR
11	1/4 - Sec A	315126520050	GANDI JANARDHAN
12	1/4 - Sec A	315126520058	GORREPATI PRADEEP CHANDRA
13	1/4 - Sec A	315126520060	GUDUPU GOPI RAVI TEJA
14	1/4 - Sec B	315126520061	GULLAPUDI GIRISH
15	1/4 - Sec B	315126520073	K M N BHARGAV REDDY
16	1/4 - Sec B	315126520077	KALISSETTI G V SAI SASI VARDHAN
17	1/4 - Sec B	315126520087	KARANAM BABU SAI SRI VASTA
18	1/4 - Sec B	315126520091	KARUKONDA UMAMAHESH
19	1/4 - Sec B	315126520097	KENGUVA GOUTHAM
20	1/4 - Sec B	315126520100	KOLLATI NANDA SAI KUMAR
21	1/4 - Sec B	315126520103	KOMMANAPALLI JAWAHAR
22	1/4 - Sec B	315126520112	KUNISSETTY VIJAY BABU
23	1/4 - Sec C	315126520125	MALLA UDAY HARSHA VARDHAN
24	1/4 - Sec C	315126520133	MEKA VINEETH RAGHAVA
25	1/4 - Sec D	315126520213	TARA SHALEM SAMRAJ
26	1/4 - Sec D	315126520219	THUNUGUNTA VENKATA SAI KRISHNA MANOJ KUMAR
27	1/4 - Sec D	315126520236	Y RAJESH
28	2/4 - Sec A	314126520016	BEVARA CHARAN TEJA
29	2/4 - Sec A	314126520019	BOLEM VENKATA KUMARI SUSHMITHA
30	2/4 - Sec A	314126520022	BOTTA PRATHYUSHA
31	2/4 - Sec A	314126520026	BUGATHA YAGNA NARAYANA
32	2/4 - Sec A	314126520027	CHAPPA YERNI PAVAN MOULI
33	2/4 - Sec A	314126520030	CHILUKOTI SAI SWETHA
34	2/4 - Sec A	314126520047	DURGAM SAI SRAVYA SANJUSHA
35	2/4 - Sec A	314126520049	EASARI MOUNIKA
36	2/4 - Sec A	314126520056	GHANTASALA PHALGUNA RAJU
37	2/4 - Sec A	314126520057	GIRADA PRASANTHI
38	2/4 - Sec A	314126520058	GOLLAPALLI SAHANA
39	2/4 - Sec A	314126520059	GOLLU MEGHA SHYAM
40	2/4 - Sec A	314126520061	GORLE HARIKANTH
41	2/4 - Sec A	314126520063	GOWRIPATTAPU SIVAPADMAJA
42	2/4 - Sec A	314126520065	GUDLA SRAVYA
43	2/4 - Sec B	314126520075	KANITI PRAVEEN
44	2/4 - Sec B	314126520080	KILARAM JYOTSHNA
45	2/4 - Sec B	314126520082	KILLAMSETTI MANOHAR
46	2/4 - Sec B	314126520085	KONA HEMATH KUMAR
47	2/4 - Sec B	314126520088	LAGUDU HEMALATHA
48	2/4 - Sec B	314126520090	MADDU VIJUSHA
49	2/4 - Sec B	314126520091	MADUGULA PAVAN TEJA
50	2/4 - Sec B	314126520092	MALLAPUREDDY RIDVIK
51	2/4 - Sec B	314126520098	MEHER KRISHNA TEJA APPIGATLA



Yr-Sec	RollNo	StudentName	Signature
1-A	315126520001	ABHISHEK JENA	Abhishek
1-A	315126520005	AKELLA VENKATA KOUSHIK	Akella Venkata Koushik
1-A	315126520012	ATLURI TARUNSAI	
1-A	315126520017	BANISSETY SOMESWAR RAO	B. Suresh Rao
1-A	315126520022	BODANKI VINEETH NAIDU	B. Vineth Naidu
1-A	315126520026	BONI SADGURUNAG KAUSHIK	BSN. Kaushik
1-A	315126520031	CHINTADA VINAY	Vinay
1-A	315126520041	DEVABATHULA NITESH	D. Nitesh
1-A	315126520045	DUDDU SAI SRI RAM	D. Sai Sri Ram
1-A	315126520047	DUNNA MAHESH KUMAR	M. Mahesh
1-A	315126520050	GANDI JANARDHAN	G. Janardhan
1-A	315126520058	GORREPATI PRADEEP CHANDRA	G. Pradeep Chandra
1-A	315126520060	GUDUPU GOPI RAVI TEJA	G. Ravi Teja
1-B	315126520061	GULLAPUDI GIRISH	G. Girish
1-B	315126520073	K M N BHARGAV REDDY	K. Bhargava
1-B	315126520077	KALISSETTI G V SAI SASI VARDHAN	
1-B	315126520087	KARANAM BABU SAI SRIVASTA	
1-B	315126520091	KARUKONDA UMAMAHESH	K. Uma Mahesh
1-B	315126520097	KENUGUVA GOUTHAM	
1-B	315126520100	KOLLATI NANDA SAI KUMAR	
1-B	315126520103	KOMMANAPALLI JAWAHAR	K. Jawahar
1-B	315126520112	KUNISSETTY VIJAY BABU	K. Vijay
1-C	315126520125	MALLA UDAY HARSHA VARDHAN	
1-C	315126520133	MEKA VINEETH RAGHAVA	M. Vineth Raghava
1-D	315126520213	TARA SHALEM SAMRAJ	T. Samraj
1-D	315126520219	THUNUGUNTA VENKATA SAI KRISHNA MANOJ KUMAR	T. Manoj Kumar
1-D	315126520236	Y RAJESH	
2-A	314126520016	BEVARA CHARAN TEJA	
2-A	314126520019	BOLEM VENKATA KUMARI SUSMITHA	
2-A	314126520022	BOTTA PRATHYUSHA	
2-A	314126520026	BUGATHA YAGNA NARAYANA	B. Y. Narayana
2-A	314126520027	CHAPPA YERNI PAVAN MOULI	C. Y. P. Mouli
2-A	314126520030	CHILUKOTI SAI SWETHA	
2-A	314126520047	DURGAM SAI SRAVYA SANJUSHA	
2-A	314126520049	EASARI MOUNIKA	
2-A	314126520056	GHANTASALA PHALGUNARAJU	
2-A	314126520057	GIRADA PRASANTHI	
2-A	314126520058	GOLLAPALLI SAHANA	Sahana G.
2-A	314126520059	GOLLU MEGHA SHYAM	G. Megha Shyam
2-A	314126520061	GORLE HARIKANTH	3141265 - G. Harikanth
2-A	314126520063	GOWRIPATTAPU SIVAPADMAJA	
2-A	314126520065	GUDLA SRAVYA	
2-B	314126520075	KANITI PRAVEEN	
2-B	314126520080	KILARAM JYOTSHNA	
2-B	314126520082	KILLAMSETTI MANOHAR	K. Manohar
2-B	314126520085	KONA HEMATH KUMAR	K. Hemanth Kumar
2-B	314126520088	LAGUDU HEMALATHA	
2-B	314126520090	MADDU VIJUSHA	
2-B	314126520091	MADUGULA PAVAN TEJA	M. Pavan Teja
2-B	314126520092	MALLAPUREDDY RIDVIK	
2-B	314126520098	MEHER KRISHNA MANOJ KUMAR	M. Krishna Manoj Kumar



2-B	314126520099	MODUKURU NAGA LAKSHMI TEJASWI	Teja
2-B	314126520101	MULAKA SRAVAN KUMAR	
2-B	314126520107	NARTHU BHAVANI	N. Bhavani
2-B	314126520110	NITIN SANGANA	
2-B	314126520112	PAILA CHANDINI	
2-B	314126520116	PAPPU ANIL KUMAR	P. Anil Kumar
2-B	314126520119	PEDAGOPU GNANA SAI	G. Sai
2-B	314126520121	PERICHERLA HEMANTH KUMAR VARMA	
2-B	314126520123	PILAKA HARSHA NANDHAN REDDY	
2-B	314126520124	PILLUTLA VENKATA SARAT CHANDRA	
2-B	314126520132	RAJULAPATI GANESH	R. Ganesh
2-B	314126520133	RAPARTHI VENKATA HIMA MAHESHWARI	R.V. H. Maheshwari
2-B	314126520135	RAPETI VIVEK	
2-B	314126520136	RAVINUTHALA KRISHNA MANOJ	
2-B	314126520138	RUMANA	Rumana
2-B	314126520140	SAHIL ALAM KHAN	
2-C	314126520145	SAYED GULSHANUDDIN	S. Gulshan
2-C	314126520150	SIDDHA MEENA VIKAS	Siddha Meena Vikas
2-C	314126520153	SIRUSUPALLI V S SARATH CHANDRA	S. Sarath
2-C	314126520154	SUDHIR KUMAR PANDAVA	Sudhir
2-C	314126520155	SUJAN KUMAR YAKASIRI	Sujan
2-C	314126520156	SURYADEVARA SURYA TEJA	Surya Teja
2-C	314126520158	TANGETI NAGA SAI SRAVAN	S. Sai Sravan
2-C	314126520159	TEDLAPU ARAVIND	T. Aravind
2-C	314126520160	TIGIRIPALLI MOUNICA	T. Mounica
2-C	314126520162	UPMAKA BHARAT SAI DHEERAJ	U. Bharat Sai Dheeraj
2-C	314126520164	VASASMSETTI SHARNU KUMAR	V. Sharnu
2-C	314126520168	YAVVARI ANIL KUMAR	Y. Anil
2-C	314126520188	GALI RAJ MANESH	G. Raj Manesh
3-A	313126520006	AKYLASOMAYAJULA SREE RAM	
3-A	313126520007	ALETI BHAVANA	
3-A	313126520022	BUDAGATLA HARIKA	
3-A	313126520036	GANIVADA AKHILESH	
3-A	313126520061	MAGATAPALLI ESWAR RAO	
3-A	313126520068	MEDABALA HEMANTH	
3-A	313126520070	MEEGADA UDAY SHANKAR	M. Uday Shankar
3-A	313126520072	MOHAMMED ASHRAFULLA	
3-B	313126520075	NALLURI SAICHANDU	N. Sai Chandu
3-B	313126520076	ORUGANTI VENU GOPAL REDDY	O. Venu Gopal Reddy
3-B	313126520079	PASUPULETI VISHNU VARDHAN	P. Vishnuvardhan
3-B	313126520080	PEETHA JAYA SREE	P. Jaya Sree
3-B	313126520084	PITTA KODANDA RAM REDDY	P. Kodanda Ram Reddy
3-B	313126520086	POTHU RAMESH	P. Ramesh
3-B	313126520088	RABILLI HARSHITHA	R. Harshitha
3-B	313126520097	SHAIK IRFAN	S. Irfan
3-B	313126520101	SUNKARI SUNIL	S. Sunil
3-B	313126520107	TAMMINENI RAVITEJA	T. Raviteja
3-B	313126520110	VADADA TEJASWINI	
3-B	313126520121	SANDHYA BHARATHI CHITTAPULI	
3-B	313126520132	BODDU DURGA SURENDRA BABU	B. Surendra Babu
3-B	313126520143	BONU UDAY KIRAN	B. Uday Kiran