



VIVA Institute of Technology

Department of
Mechanical Engineering



Student
Achievements
AY 2017-2018



Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
At. Shirgaon, Veer Sawarkar Road, Virar (East) - 401305, Maharashtra.

Department of Mechanical Engineering

Students Achievement Report.

Event: Enduro Students India

Host: GEDEE

Venue: Coimbatore

Position: Overall 45

The motorsport team of VIVA Institute of Technology, team Artemis Racing India, have been off to the event organised by Enduro Student India at GEDEE RC Racing Track, Coimbatore from 4 January 2018 to 8 January 2018.

Day 1 (4th January)

The team presented the car for the first technical inspection. Some of the flaws such as

Ø Brake light and splash shield was outside the vehicle envelope.

Ø The drain pipe wasn't fuel rated

Ø The accelerator stopper needs to halt the acceleration pedals a little ahead from the installed location

Ø The shoulder harness needs to be lowered or the driver with the small height needs to be eliminated from the driver list.

This were the major problems, which resulted in re-technical inspection of the vehicle.

Mayank Chheda, Saurabh Ghadge, and Yash Save presented the business event whose aim was to sell 4000 units of the vehicle to an imaginary company.

Day 2 (5th January)

To deal with the problems raised in the first technical inspection some changes were made to the vehicle. The changes took the whole day for completion. Hence, the car could not go for the technical inspection on second day.

Deep Chheda, Amogh Mhatre and Rachit Kunder presented the team for the cost event whose aim was to design a prototype of the front hub, mass-manufacturing technique and process planning for the same.

Deep Chheda, Kapil Thakur, Saurabh Ghadge, Omkar Jadhav, Aditya Prabhu presented the team for the design event.

The event focuses on the the design procedure and all the basic calculation involved in design of the vehicle. It also aims to let the student understand the basic of vehicle dynamics and design methodology for the vehicle.

There was a seminar conducted by the judges present on the event site from top companies like Mercedes, Simscale and Gabriel about the topic of installation of suspension system in vehicle.

Day 3 (6th January)

The team cleared its technical inspection in its third attempt. The weight test of the vehicle was performed after the technical inspection. The weight turn out to be 173 kgs, which was 7 kg, less than the predicted weight of the vehicle 180 kg. It was a good achievement. The team then proceeded for the engine check. The float of the carburettor was damaged and required a replacement which took a long time. Then the vehicle was proceeded for the brake test. It was the first time in four year the team cleared the brake test in the very first attempt. It was another big achievement for the team. Due to low light conditions the dynamic events were closed a little earlier because of which the team wasn't able to attend the events. The final endurance line up was made at night.



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Department of Mechanical Engineering

Students Achievement Report.

Event: Shastra 2017

Host: IIT Madras

Venue: Madras

Position: 4th

A group of 4 students from the department of mechanical engineering participated in the much anticipated Shastra 2017, the annual tech fest for IIT Madras. They participated in the Green energy summit that Green Energy Summit is an annual conference organized by Shastra, the technical festival of the Indian Institute of Technology Madras (IIT Madras). The summit aims to bring together experts from various fields related to green energy and sustainability to discuss current trends, challenges, and solutions.

The Green Energy Summit typically includes keynote speeches, panel discussions, technical workshops, and a student competition. The conference covers a wide range of topics related to green energy, including renewable energy sources, energy storage, energy efficiency, and sustainable development.

In addition to providing a platform for experts to share their knowledge and expertise, the Green Energy Summit also serves as an opportunity for students and professionals to network and learn about the latest developments in the field. Past speakers at the summit have included researchers, industry leaders, and policymakers from around the world. Overall, the Green Energy Summit is a valuable event for anyone interested in green energy and sustainability, as it brings together some of the foremost experts in the field to share their insights and knowledge.





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Department of Mechanical Engineering

Students Achievement Report.

Event: Shastra 2017

Host: IIT Madras

Venue: Madras

Position: 1st

The Case Study competition is an event organized by Shastra, the technical festival of the Indian Institute of Technology Madras (IIT Madras). The competition challenges teams of students to analyze and solve a business or real-world problem through the use of analytical and critical thinking skills.

In the Case Study competition, teams are typically given a case study containing information about a company or organization and a problem that it is facing. Teams must then analyze the case study, gather additional information as needed, and develop a solution to the problem. The solution must be presented in the form of a report, which is then judged by a panel of experts based on various criteria, such as the thoroughness of the analysis, the feasibility of the solution, and the clarity of the presentation.

The Case Study competition is an excellent opportunity for students to hone their problem-solving and analytical skills, as well as to learn about real-world business challenges. It is also an opportunity for students to network with industry professionals and to gain valuable experience in business consulting. Ajay Gupta won the first prize in the same.





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Department of Mechanical Engineering

Students Achievement Report.

Event: National Project cum Paper Presentation

Host: Universal College of Engineering

Venue: Project Presentaation

Position: 1st

The event was hosted by UCoE in association with IETE on 9th March 2017. It is a national level event for the budding, aspiring engineers, academicians, for students of different colleges to present their technical ideas in the form of projects and posters. The purpose of the event was to provide a platform for young engineers to present their technical ideas. Participants in the events were from different diploma and degree colleges from Mumbai, Thane, etc. The projects were exhibited in different domains, categories like electronics, computers, mechanical, civil, etc. The projects provided solutions for real life problems with the help of technology in agriculture, roadways, military, the phase of bridges can be changed in future with innovative designs were also exhibited. The winners of the competition were awarded with cash prizes in respective category. The event was a success as 391 groups participated in this event which had the count of 1427 participants from different engineering and diploma institutions.

Sangram Thorat from mechanical department won the first prize for the same.





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For participation in the

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04/06/2018 - 04/08/2018

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Vinaya Bhosale

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at Permanent Campus of IIT Ropar in Ropar, Punjab.
We wish her all the best for her future endeavours.

Jitender Gujral
Jt. Convener
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Dr. Ekta Singla
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4th to 7th January 2018
Eachaneri, Coimbatore

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was a participant in "ENDURO STUDENT INDIA 2018", a design competition for engineering
students, held at Geedee Driving School, Eachaneri, Coimbatore between 4th to 7th January 2018.

The overall result of _____ Artemis Racing India _____ at the competition is as follows

| | Design | Cost | Sales | Acceleration | Dirt-X | Maneuverability | Endurance | Penalty | Total |
|----------------|--------|-------|-------|--------------|--------|-----------------|-----------|---------|--------|
| Total Points | 175 | 100 | 75 | 75 | 150 | 125 | 300 | | 1000 |
| Scored Points | 100.9 | 48.26 | 44.32 | 0 | 0 | 0 | 0 | 0 | 193.48 |
| Rank out of 72 | 43 | 39 | 14 | 37 | 35 | 22 | 25 | | 44 |



Soumya Kanti Bose
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Somy Sridas
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Sujan Dinesh
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Somy Sridas
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Sujan Dinesh
Operations Coordinator



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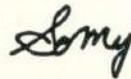
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This is to certify that Yash Devendra Save of Artemis Racing India
from VIVA INSTITUTE OF TECHNOLOGY
was a participant in "ENDURO STUDENT INDIA 2018", a design competition for engineering students, held at Geedee Driving School, Eachaneri, Coimbatore between 4th to 7th January 2018.

The overall result of Artemis Racing India at the competition is as follows

| | Design | Cost | Sales | Acceleration | Dirt-X | Maneuverability | Endurance | Penalty | Total |
|----------------|--------|-------|-------|--------------|--------|-----------------|-----------|---------|--------|
| Total Points | 175 | 100 | 75 | 75 | 150 | 125 | 300 | | 1000 |
| Scored Points | 100.9 | 48.26 | 44.32 | 0 | 0 | 0 | 0 | 0 | 193.48 |
| Rank out of 72 | 43 | 39 | 14 | 37 | 35 | 22 | 25 | | 44 |



Soumya Kanti Bose
Event Manager



Somy Sridas
Cost Lead



Sujan Dinesh
Operations Coordinator


enduro . student . india

Certificate of Participation

4th to 7th January 2018
Eachaneri, Coimbatore

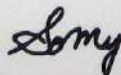
This is to certify that Saurabh Laxman Ghadge of Artemis Racing India
from VIVA INSTITUTE OF TECHNOLOGY
was a participant in "ENDURO STUDENT INDIA 2018", a design competition for engineering students, held at Geedee Driving School, Eachaneri, Coimbatore between 4th to 7th January 2018.

The overall result of Artemis Racing India at the competition is as follows

| | Design | Cost | Sales | Acceleration | Dirt-X | Maneuverability | Endurance | Penalty | Total |
|----------------|--------|-------|-------|--------------|--------|-----------------|-----------|---------|--------|
| Total Points | 175 | 100 | 75 | 75 | 150 | 125 | 300 | | 1000 |
| Scored Points | 100.9 | 48.26 | 44.32 | 0 | 0 | 0 | 0 | 0 | 193.48 |
| Rank out of 72 | 43 | 39 | 14 | 37 | 35 | 22 | 25 | | 44 |



Soumya Kanti Bose
Event Manager



Somy Sridas
Cost Lead



Sujan Dinesh
Operations Coordinator

CERTIFICATE OF **PARTICIPATION**

GROUND TO GLORY

This is to certify that

Saurabh Ghadge

representing **Viva Institute of Technology**
has participated in the Virtual BAJA SAEINDIA 2017,
organized by SAEINDIA on 14th & 15th July 2017
at Chitkara University, Punjab.

We wish him/her all the best for the future endeavours.

Shoab Sadiq
Convener,
Virtual BAJA SAEINDIA 2017

Mukesh Tiwari
Convener,
BAJA SAEINDIA 2018



Mahindra Presents
**BAJA SAEINDIA
2018**





Mahindra Rise.

Organized by **SAEINDIA** CHITKARA UNIVERSITY

CERTIFICATE OF PARTICIPATION

GROUND TO GLORY

This is to certify that

Aditya Prabhu

representing **Viva Institute of Technology** has participated in the Virtual BAJA SAEINDIA 2017, organized by SAEINDIA on 14th & 15th July 2017 at Chitkara University, Punjab.

We wish him/her all the best for the future endeavours.

Shoaib Sadiq
Convener,
Virtual BAJA SAEINDIA 2017

Mukesh Tiwari
Convener,
BAJA SAEINDIA 2018





CERTIFICATE OF APPRECIATION



This is to certify that Mr/Ms
AJAY GUPTA
from VIVA INSTITUTE OF TECHNOLOGY
has secured FIRST position in
CASE STUDY COMPETITION, GREEN ENERGY SUMMIT
at Shastra 2018, IIT Madras

Ramprashanth M
Co-Curricular Affairs Secretary
IIT Madras

Prof. M. S. Sivakumar
Dean of Students
IIT Madras

Dr. A. Arockiarajan
Advisor, Co-Curricular Affairs
IIT Madras



CERTIFICATE OF PARTICIPATION



This is to certify that Mr/Ms

GUPTA ASAY N

from _____

has participated in

RURAL ENERGY CHALLENGE, GREEN ENERGY SUMMIT

at Shaastra 2018, IIT Madras

Ramprashanth M
Co-Curricular Affairs Secretary
IIT Madras

Prof. M. S. Sivakumar
Dean of Students
IIT Madras

Dr. A. Arockiarajan
Advisor, Co-Curricular Affairs
IIT Madras



CERTIFICATE OF PARTICIPATION



This is to certify that Mr/Ms

JAIHWAL S MAILESH R

from _____

has participated in

RURAL ENERGY CHALLENGE, GREEN ENERGY SUMMIT

at Shaastra 2018, IIT Madras

Ramprashanth M
Co-Curricular Affairs Secretary
IIT Madras

Prof. M. S. Sivakumar
Dean of Students
IIT Madras

Dr. A. Arockiarajan
Advisor, Co-Curricular Affairs
IIT Madras



CERTIFICATE OF PARTICIPATION



This is to certify that Mr/Ms

GADA DIPAM BIPIN

from

has participated in

RURAL ENERGY CHALLENGE, GREEN ENERGY SUMMIT

at Shaastra 2018, IIT Madras

Ramprashanth M
Co-Curricular Affairs Secretary
IIT Madras

Prof. M. S. Sivakumar
Dean of Students
IIT Madras

Dr. A. Arockiarajan
Advisor, Co-Curricular Affairs
IIT Madras

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms

GOSWAMI VITAYBHARATHI DALPATBHARATHI

from _____

has participated in

RURAL ENERGY CHALLENGE, GREEN ENERGY SUMMIT

at Shaastra 2018, IIT Madras



Ramprashanth M
Co-Curricular Affairs Secretary
IIT Madras



Prof. M. S. Sivakumar
Dean of Students
IIT Madras



Dr. A. Arockiarajan
Advisor, Co-Curricular Affairs
IIT Madras

National Students' Space Challenge '17

1st Sept - 3rd Sept, 2017



Certificate Of Merit

This is to certify that Mr./Ms. SAILESH JAISWAL
from the institute VIVA INSTITUTE of TECHNOLOGY.
has secured 2nd position in the event LIFT OFF
at National Students' Space Challenge 2017 ,IIT Kharagpur.

Nikhil Mannan
Governor,
Space Technology Students' Society,
IIT Kharagpur.

Prof. D Roy Chowdhury
Chairman,
Kalpana Chawla Space Technology Cell,
IIT Kharagpur.



Indian Institute of Technology, Kharagpur

National Students' Space Challenge '17

1st Sept - 3rd Sept, 2017



Certificate Of Participation

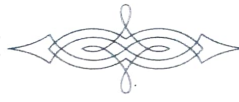
This is to certify that Mr./Ms. Jai'swal Shailesh Ramprakash of
the institute VIVA Institute of Technology has
participated in the event LIF1 - OFF conducted by
National Students' Space Challenge 2017 held at IIT Kharagpur.

Nikhil Mannan
Governor,
Space Technology Students' Society.

Prof. D Roy Chowdhury
Chairman,
Kalpana Chawla Space Technology Cell



Indian Institute of Technology, Kharagpur



National Students' Space Challenge

5th-7th October 2018

Certificate Of Participation

Reg. no.: NSSC18/PI 3490

This is to certify that Mr./Ms. Shailesh Ramprवेश Jaiswal
of the institute VIVA Institute of Technology has
participated in the event Lift off conducted
by National Students' Space Challenge 2018 held at IIT Kharagpur.

P. Charan Koushik

Potti Charan Koushik
Governor,
Space Technology Students' Society

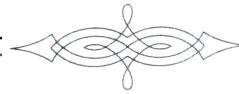
Dipankita Roy Choudhury

Prof. D. Roychowdhury
Chairman,
Kalpana Chawla Space Technology Cell



Indian Institute of Technology Kharagpur





National Students' Space Challenge

5th-7th October 2018

Certificate Of Participation

Reg. no.: NSSC18/PI 3490

This is to certify that Mr./Ms. Shailesh Rampravesh Jaiswal
of the institute VIVA Institute of Technology has
participated in the event Hoverpod conducted
by National Students' Space Challenge 2018 held at IIT Kharagpur.

P. Charankoushik

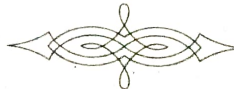
Potti Charan Koushik
Governor,
Space Technology Students' Society

Dipandita Roy Chowdhury

Prof. D. Roychowdhury
Chairman,
Kalpana Chawla Space Technology Cell



Indian Institute of Technology Kharagpur



CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms

JAINSWAL, S. RAILESH R

from

has participated in

RURAL ENERGY CHALLENGE, GREEN ENERGY SUMMIT

at Shaastra 2018, IIT Madras



Ramprashanth M
Co-Curricular Affairs Secretary
IIT Madras



Prof. M. S. Sivakumar
Dean of Students
IIT Madras



Dr. A. Arockiarajan
Advisor, Co-Curricular Affairs
IIT Madras



Universal College of Engineering

DTE Code: 3460

(Permanently Unaided | Approved by AICTE, DTE & Affiliated to University of Mumbai)
Near Bhajansons and Pinyadham, Kaman Bhiwandi Road, Vasai



The Institution of Electronics and Telecommunication Engineers (I.E.T.E.)

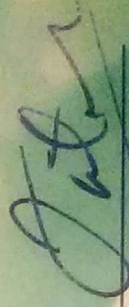
3rd National Level Project Exhibition cum Poster Presentation

Certificate of Merit

This is to certify that Ms./Mr. Sangram Thavat
of Viro Institute of Technology

College has won First Prize / 1st Runner up / Consolation Prize in the "3rd National
Level Project Exhibition Cum Poster Presentation" 2017.

Date: 17th March 2017


Dr. J. B. Patil
(Principal)