



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade
Kandlakoya (V), Medchal Road, Hyderabad -501401.

CMRCET/PRIN/SAEINIDA COLLEGIATE CLUB OF CMRCET/AY2015-16/01

DATE: 01/07/2015

OFFICE ORDER

With reference to the office order "CMRCET/PRIN/21/2014, Dated 15th April 2014. The SAE COLLEGIATE CLUB OF CMRCET is constituted with the following members for the academic year 2015-16

The composition of SAEINDIA COLLEGIATE CLUB OF CMRCET is as follows:

S.no	Member & Designation				
1	Chairman- Dr. M. Ramalinga Reddy, Principal CMRCET.				
2	Convener- Prof. S. Shyam Kumar, HOD, Department of Mechanical				
Faculty Members:					
	S.no	Name of the faculty	Designation	Department	Sign
3	1.	Mr. A. Harish	Assistant Professor	Mechanical	A.H.
	2.	Mr. B. Naresh Kumar	Assistant Professor	Mechanical	adhy
	3.	Mr. V. Panduranga	Assistant Professor	ECE	V.P.
	4.	Prof G. Devadasu	HOD	EEE	Dev
Student Members:					
	S.no	Name of the Student	Roll no	Branch	Sign
4	1.	Mr. K Varun Sri Vatsav	13H51A0321	Mechanical	Varun
	2.	Mr.K Sharath Chandra	13H51A0324	Mechanical	Sharath
	3.	Mr. Alluri Krishna Reddy	13H51A0301	Mechanical	A.K.R.
	4.	Mr. Vidhu Vinod	13H51A03B4	Mechanical	Vindhy
	5.	Mr. P Varun Kumar	13H51A0338	Mechanical	Varun
	6.	Mr. G Sri Vardhan	13H51A0376	Mechanical	G.Vardhan
	7.	Mr. Ramesh Sai Vishal	13H51A0399	Mechanical	R.S.V.


Convener

SAEINDIA COLLEGIATE CLUB OF CMRCET

Copy Submitted to: (1) The Secretary Garu – For your kind information Pl.

Copy to:

1. IQAC Coordinator
2. Deans
3. Examination Branch
4. All HOD's
5. Administrative Officer
6. Accounts Officer
7. Librarian
8. Training & Placement
9. Concerned Faculty
10. Students Notice Board

CMRCET/PRIN/SAEINDIA COLLEGIATE CLUB OF CMRCET/AY2015-16/CIR-01

Date: 04/07/2015

CIRCULAR

This is to inform all the SAEINDIA COLLEGIATE CLUB OF CMRCET committee members that there will be a meeting on 06th July 2015 at 2:30 PM in Department of Mechanical-HOD Cabin.

The Agenda of the meeting:

To Discuss about

1. To plan the events to be organized under the club.
2. Event calendar to plan & conduct all events in this Academic year.
3. For scheduling all the related activities without affecting the class/lab work, examination Schedules.
4. To plan to participate in different competitions under SAEINDIA.



Convener



Principal

PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.

Copy Submitted to: (1) The Secretary Garu – For your kind information Pl.

Copy to:

1. IQAC Coordinator
2. Controller of Examinations
3. All HODS
4. Administrative Officer
5. Accounts Officer
6. Concerned Faculty members
7. Student Notice Board



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade

Kandlakoya (V), Medchal Road, Hyderabad -501401.

SAEINDIA COLLEGIATE CLUB OF CMRCET

Strategic Perspective Plan for the Academic Year 2015-16

S. No.	Date of the Event	Name of the Event	Budget for the event (Rs)	Details
1.	8 th September, 2015	Mercedes-Benz workshop	2000/-	Mercedes-Benz will be explaining and showcasing the technology they are using for their current vehicles. Around 200 students from 2 nd , 3 rd , & 4 th years will be attending.
2.	26 th December, 2015	Automobile expo	10,000/-	More than 200 members from 14 different colleges attended the event. Many national and international companies will be showcasing their vehicles in the expo.
3.	22 nd January, 2016 to 29 th January, 2016	M- BAJA	6,00,000/-	It's a national level event where students need to design, analyze and fabricate an atv where the best vehicle is awarded after testing them in various conditions.



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade

Kandlakoya (V), Medchal Road, Hyderabad -501401.

SAEINDIA COLLEGIATE CLUB OF CMRCET- Strategy Document

1. SAEINDIA COLLEGIATE CLUB OF CMRCET meeting is conducted at the beginning of each academic year.
2. A brief synopsis is given by the Club members on the importance of Collegiate club.
3. Students are registered in the club.
4. Students are encouraged to actively participate in club activities.
5. SAEINDIA COLLEGIATE CLUB OF CMRCET has given instructions and suggestions to the students about implementation and participation of various events.

IQAC Coordinator

Coordinator
Internal Quality Assurance Cell
CMR College of Engineering & Technology
Kandlakoya (V), Medchal Road,
Hyderabad - 501 401.

Principal

PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade

Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 16/07/2015

To,
IQAC Coordinator
CMRCET

Sub: Requesting approval to participate in different Events under SAEINDIA COLLEGIATE CLUB OF CMRCET in the A.Y:2015-16 – Reg.

Respected Sir,

We wanted to bring to your notice SAEINDIA COLLEGIATE CLUB OF CMRCET organizes different events for the students every year, right from the beginning of the Academic year, with prior permission. Herewith I am submitting the proposed list of events we want to participate for the A.Y: 2015-16.

Hence, I request you to kindly permit to organize and participate in the below events.

The Events are scheduled as follows:

1. September : Mercedes-Benz workshop (08/09/2015)
2. December : Automobile expo (26/12/2015)
3. January : M-BAJA (22/01/2016)

Thanking you,

Coordinator
Internal Quality Assurance Cell
CMR College of Engineering & Technology
Kandlakoya (V), Medchal Road,
Hyderabad - 501 401.

Convener

SAEINDIA COLLEGIATE CLUB OF CMRCET

permitted

PRINCIPAL

CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade

Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 01.08.2015

To
The Principal
CMRCET

Through: IQAC Coordinator

Sub: Permission to organize "Mercedes-Benz workshop".
Req. – Reg.

Respected Sir,

As per the approval from the IQAC for the events submitted to conduct in the A.Y: 2015-16, the SAEINDIA COLLEGIATE CLUB OF CMRCET will organize Mercedes-Benz workshop on 08/09/2015. I request your kind approval to conduct the event.

- Dates of the Events: 08th September 2015
- Name of the Event: Mercedes-Benz workshop
- Importance: To bring out awareness in students in automotive industry.
- Venue: CMRCET seminar hall.
- Target Audience: Students of respective department.

Faculty members who are involved in the SAEINDIA COLLEGIATE CLUB OF CMRCET will be taking care of their respective department and the student members of the club will help the smooth conduction of the event.

Thanking you sir,

Recommended
aco

Coordinator
Internal Quality Assurance Cell
CMR College of Engineering & Technology
Kandlakoya (V), Medchal Road,
Hyderabad - 501 401.

[Signature]
Convener

SAEINDIA COLLEGIATE CLUB OF CMRCET

Approved.

[Signature]

PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.

EVENT REPORT

Mercedes-Benz workshop was held in 08/09/2015 at CMRCET organized by SAE COLLEGIATE CLUB OF CMRCET the workshop was in particular aimed at assessing the strength and interest of students in automotive sector, and the trends and developments in this field.

A strong participation at the workshop (more than 200 participants from different streams of engineering) demonstrated that automobile science is fruitful, lively and still evergreen sector in the stream of engineering.

From the presentations, several trends and important developments in vehicles and research were identified.



The team from the Mercedes Benz showed how they have been the brand for quality, reliability, sport and luxury without compromising on their designs. They showed their award-winning world-class engine and explained in detail about how the engine could develop that type of performance with being that compact and weighing less. They explained its design procedure about what are the design considerations they have taken and its production without no human interference.

In the next session they talked about the research and development of their vehicles and how they have been able to produce new innovations for every vehicle they are releasing. They also explained how freshers have taken the most important role in design and development at Mercedes Benz.

In the last session they showed the students their engines and made students to work on it by checking its performance by running the engine on a dynamometer and also made the students assemble and disassemble it.

కొద్దులో చేరిన తర్వాత వ్యవహారాలై పూర్తిగా మారింది. అసలు పుస్తకం పెంచుకొన్న అపగాహన, సామాజిక బాధ్యత సివిల్స్ రాయాలనే ఆశను రేకెత్తించింది.

మరిన్ని చిత్రాలు
www.eenadu.net
చూడండి.

వాహన రంగంలో విప్లవాత్మక మార్పులు

ప్రపంచవ్యాప్తంగా ఆటోమొబైల్, మెకానికల్ రంగంలో చోటు చేసుకుంటున్న విప్లవాత్మక మార్పులకు అనుగుణంగా విద్యార్థులు ముందుకు సాగాలని మహా వీర్ మోటార్ ఆఫ్టర్ సేల్స్ హెడ్ అధికారి సత్యశ్రీనివాస్ అన్నారు. కండ్లకోయ సీయంఆర్ ఇంజనీరింగ్ టెక్నాలజీ(సీయంఆర్ సెట్)లో 'మెర్సిడెస్ బెంజ్ ఆటో ఎక్స్ పో' ఒక రోజు కార్యశాలను మంగళవారం నిర్వహించారు. వివిధ జిల్లాల నుంచి 14 కళాశాల విద్యార్థులు పాల్గొన్నారు. బెంజ్ కార్లు ఆకట్టుకున్నాయి.

- న్యూస్ టుడే, మేడ్రల్



At the end they offered students with participation certificates and key chains of Mercedes Benz logo.



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade

Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 10.12.2015

To
The Principal
CMRCET

Through: IQAC Coordinator

Sub: Permission to organize "Automobile expo".
Req. – Reg.

Respected Sir,

As per the approval from the IQAC for the event submitted to conduct in the A.Y: 2015-16, the SAEINDIA COLLEGIATE CLUB OF CMRCET will organize "Automobile expo" on 26/12/2015. I request your kind approval to conduct the event.

- Dates of the Events: 26th December 2015
- Name of the Event: Automobile Expo
- Importance: To bring out awareness in students in automotive industry.
- Venue: CMRCET ground.
- Target Audience: Students of all departments.

Faculty members who are involved in the SAEINDIA COLLEGIATE CLUB OF CMRCET will be taking care of their respective department and the student members of the club will help the smooth conduction of the event.

Thanking you sir,

Recommended & Approved

Coordinator
Internal Quality Assurance Cell
CMR College of Engineering & Technology
Kandlakoya (V), Medchal Road,
Hyderabad - 501 401.

[Signature]
CONVENER

SAEINDIA COLLEGIATE CLUB OF CMRCET

Approved.

[Signature]

PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.

EVENT REPORT

The automobile expo was conducted on 26/12/2015 in CMRCET main ground. A number of companies showcased their vehicles in the stalls provided. The event started when chief delegates Mr. CH Malla Reddy chairman of CMR group of institutions, Sir. CH Gopal Reddy correspondent of CMR group of institutions, Dr. Major V A Narayana, principal of CMRCET. These all delegates carried out ribbon cutting and started the event. A special vehicle was allotted for the delegates in order to have a look at the complete event site they had a good view around the event and got a det4ailed view of every stall at the event site.



Later the students from different colleges and a huge crowd came to check out the event companies like Ducati, Harley-Davidson, Triumph, Toyota, Mercedes-Benz showcased their



vehicles at the event there were sales person also present at the stalls such that they could help people if anyone is interested to get one of those. In that way automobile expo helped the companies to get their brand publicity and also helped in sales of their vehicle.

This event did a two way help to students as well as companies deriving more productivity from the event. The event mainly aimed at bringing out awareness in the students as well as other participants who attend the event regarding the latest technologies used in the respective automobile companies. This help people to understand the level of innovation and technological development undergoing in the automotive industry.



Attraction Photography

The event saw around 300 members attending from different colleges. The students and other people kept asking questions to individual company persons. Event had a good knowledge transfer regarding automotive sector. The company stalls also teased people with their upcoming concepts and upcoming production vehicles. It helped companies by having a good amount of publicity by having a least amount of money capital. Hence the event made a good amount of help for companies, students and management of college.



CMR COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade
Kandlakoya (V), Medchal Road, Hyderabad -501401.





CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade

Kandlakoya (V), Medchal Road, Hyderabad -501401.

Date: 01.01.2016

To
The Principal
CMRCET

Through: IQAC Coordinator

Sub: Permission to participate in "M-BAJA".
Req. – Reg.

Respected Sir,

As per the approval from the IQAC for the events submitted to conduct in the A.Y: 2015-16, the SAEINDIA COLLEGIATE CLUB OF CMRCET will participate in "M-BAJA" from 22/01/2016. I request your kind approval to conduct the event.

- Dates of the Events: 22nd January 2016 to 29th January 2016
- Name of the Event: M-BAJA.
- Venue: NATRAX, Indore, Madhya Pradesh.

Faculty members who are involved in the SAEINDIA COLLEGIATE CLUB OF CMRCET will be taking care of their team and the team members of the club will help the smooth conduction of the event.

Thanking you sir,

Recommended
ACQZ

Coordinator
Internal Quality Assurance Cell
CMR College of Engineering & Technology
Kandlakoya (V), Medchal Road,
Hyderabad - 501 401.


CONVENER

SAEINDIA COLLEGIATE CLUB OF CMRCET

Permitted


PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.

EVENT REPORT

From January 22nd to January 27th 2016 SAEINDIA M-BAJA was conducted at NATRAX, Madhya Pradesh, there were over more than 150 teams participated in the event. The main motto of this event is to allow the student of different colleges to design, analyze and fabricate their vehicle in order to bear different situations a vehicle undergo in the terrain showed by the officials. A team of 25 members were formed from CMR College of Engineering & Technology. The team did well in the virtual round which is the first stage of competition where the team need to show their design, calculations, working procedure they are doing to fabricate their vehicle. The teams which board members feel that they are suitable for participation are shortlisted from the list. The team got shortlisted in the virtual and did get allowance to fabricate the vehicle. The team did fabricate the vehicle and taken to the event.

In the event there were number of events they are mainly classified into static and dynamic events. In static events the teams are made to send design report, cost report, design validation plan (DVP), DFMEA. The team which performs best is awarded in its segment and ranking is given accordingly.

Our team has secured these ranks in each of these events



Design evaluation: In this event the teams are need to explain the panel members regarding them deign procedure and justify their design in different aspects. And later need to answer the questions asked by the judge.

Position in design evaluation 54th

Cost presentation: in this event teams need to produce the total cost of the vehicle fabricated including different parts which are manufactured earlier. Every team must produce the bills of each and every part which are evaluated by the judge. The team which fabricates the vehicle in lowest cost gets to win the event.

Position acquired in cost presentation: 27th

Sales presentation: In sales presentation teams are given a task of making 1000 vehicles per year. This event tests the managerial skills of the teams they need to show their factory design and place at which the factory needs to be built. And cost for this all equipment. Then just after the factory design they need to start the vehicle manufacturing and should consider cost for making each

vehicle. Then the vehicle needs to be sold for a reasonable price to the customers. Taking all these aspects into consideration teams need to present a report. The team which gives the best performance in this event is awarded



Position acquired in sales presentation: 9th

Just after the static events dynamic events start in dynamic events, we have different competitions like braking test, maneuverability test, suspension and traction test, acceleration test, sledge pull test, go green test and endurance.

Our team secured these positions in each respective event as follows

Brake test: Team need to start from still point and should stop from 45kmph to 0 within 1.5m teams which pass this test are allowed to participate in other dynamic events.

Maneuverability test: In this event vehicles steering is tested where it is made through pass through sharp corners and unsteer able paths. The vehicle which completes this path in shortest time is awarded.





CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade

Kandlakoya (V), Medchal Road, Hyderabad -501401.

Maneuverability position: didn't participated

Suspension and traction test: It is the most difficult event where the vehicle is made to pass through difficult terrains and uneven terrains, logs etc. This event tests the vehicle suspension system, rigidity, strength of the vehicle.

Position in suspension and traction: didn't participated

Sledge pull: the vehicle is made to pull up to 1ton weight.

Go green award: This event tests the emission level which come out through the exhaust of the vehicle the teams which has the lowest emissions is awarded with go green award.

Endurance: This is the final event where all the vehicles are assembled in and made to complete laps through the given time. The team which makes the highest lap is awarded.

Endurance position: didn't cleared due to breakdown of vehicle

Overall position: 84th



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade


Kandlakoya (V), Medchal Road, Hyderabad -501401.

CMRCET/PRIN/SAEINDIA COLLEGIATE CLUB OF CMRCET/AY2015-16/CIR-02

Date: 02/02/2016

CIRCULAR

This is to inform all the SAEINDIA COLLEGIATE CLUB OF CMRCET committee members that there will be a meeting on 03rd Feb 2016 at 2:30 PM in Department of Mechanical-HOD Cabin.



Convener



Principal

PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.

Copy Submitted to the Secretary Garu for your kind information Please

Copy to:

1. Deans
2. All the HODs
3. IQAC Coordinator
4. Administrative Officer
5. Accounts Officers
6. Faculty Concerned



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade

Kandlakoya (V), Medchal Road, Hyderabad -501401.

Academic Year: 2015-16
SAEINDIA COLLEGIATE CLUB OF CMRCET
MINUTES OF MEETING

Date: 03/02/2016

Time: 2:30 PM

Venue: HOD Cabin, Mech Dept

Chaired By: Dr. M. Ramalinga Reddy, Principal, CMR College of Engineering & Technology

Agenda: End of the Academic year summary

Minutes of Meeting:

A meeting was conducted by the SAEINDIA COLLEGIATE CLUB OF CMRCET committee to review the events conducted in the Academic Year 2015-16 and to discuss the various events to be conducted for the Academic Year 2016-17.

- The chairman, Dr. M. Ramalinga Reddy welcomed all the members.
- Event conducted in the Academic Year 2015-16 were discussed.
- The additional events that were conducted if any and missed out were asked for.
- The events that were part of the agenda but were not conducted were also discussed and the reasons for not being conducted were discussed at length.
- The events that were planned for the next academic year were also discussed.
- Inputs were sought about the other events that can be included as part of the club.

Resolution 01: The SAEINDIA COLLEGIATE CLUB OF CMRCET committee members appreciated one another for the successful completion of the events for the academic year on the agenda and were braced up with the list of events for the next academic year.

The meeting concluded with the Chairman thanking the members for their valuable suggestions.

Summary of Programmes Conducted during A.Y 2015-16 under "SAEINDIA COLLEGIATE CLUB OF CMRCET committee".

S. No	Name of the Event/Activity	Date	Venue
1	Mercedes-Benz Workshop	08/09/2015	CMRCET Auditorium
2	Automobile expo	26/12/2015	CMRCET Main Ground
3	M-BAJA	22/01/2016	NATRAX, Pithampur, Indore

Summary of Programmes Not Conducted during A.Y 2015-16 under "SAEINDIA COLLEGIATE CLUB OF CMRCET committee".

S. No	Name of the Event	Scheduled Date	Reason
1		Nil	

I. **Summary of Programmes Not Conducted during A.Y 2015-16 under "SAEINDIA COLLEGIATE CLUB OF CMRCET committee".** Which were not part of the schedule.

S. No	Name of the Event	Conducted Date	Venue	Reason
1		Nil		

Members Present:

S.no	Member & Designation				
1	Chairman- Dr. M. Ramalinga Reddy, Principal CMRCET.				
2	Convener- Prof. S. Shyam Kumar, HOD, Department of Mechanical				
3	Faculty Members:				
	S.no	Name of the faculty	Designation	Department	Sign
	1.	Mr. A. Harish	Assistant Professor	Mechanical	A.H
	2.	Mr. B. Naresh Kumar	Assistant Professor	Mechanical	adhy
	3.	Mr. V. Panduranga	Assistant Professor	ECE	V.P
4.	Prof G. Devadasu	HOD	EEE	GD	
4	Student Members:				
	S.no	Name of the Student	Roll no	Branch	Sign
	1.	Mr. K Varun Sri Vatsav	13H51A0321	Mechanical	Varun
	2.	Mr.K Sharath Chandra	13H51A0324	Mechanical	Sharath
	3.	Mr. Alluri Krishna Reddy	13H51A0301	Mechanical	A.K
	4.	Mr. Vidhu Vinod	13H51A03B4	Mechanical	Vindhy
	5.	Mr. P Varun Kumar	13H51A0338	Mechanical	Varun
	6.	Mr. G Sri Vardhan	13H51A0376	Mechanical	G. Vardhan
7.	Mr. Ramesh Sai Vishal	13H51A0399	Mechanical	R.S.V	


Convener


Principal

PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade
Kandlakoya (V), Medchal Road, Hyderabad -501401.

Annual Report

Date:03/02/2016

To
IQAC,
CMRCET,
Kandlakoya (V),
Medchal Road,
Hyderabad-501401.

Respected sir,

Sub: Annual report of the SAEINDIA COLLEGEIATE CLUB CMRCET for the A.Y 2015-16.

Following is the brief information of programs conducted by the SAEINDIA COLLEGEIATE CLUB OF CMRCET for the A.Y 2015-16.

1. Organized Mercedes-Benz workshop for one day. Mercedes-Benz Workshop is a coagulation of both theoretical and technical knowledge gathering for the enrichment of the knowledge for the automotive enthusiasts.

Workshop objectives:

The following topics were keenly discussed in the workshop:

1. Engine dismantle and assembly.
2. Mechanical modules.
 - Chassis
 - Braking system
 - Suspension system
 - Transmission system
3. Unique options in Mercedes-Benz (Advance technology used).
4. Existing and upcoming models (AMG performance).
5. Safety systems.
6. Comfort & Security systems in Mercedes-Benz.

2. Automobile Expo 2K15: The main objective of this event is to narrow the gap between theoretical and practical knowledge by conducting a workshop in which students can have an exposure to the current trends in automobile directly with industry experts.

Objectives:

1. To show case the history of the development of automobiles and how modern technology revolutionized the transport industry.
2. Four-wheeler and Two-wheeler display from fifty different manufacturers.
3. Safety driving program by Harley-Davidson bike manufacturers.
4. Demonstration of automobile engines and advanced systems.
5. Interaction with executives from various automobile brands.

3. M-BAJA: From January 22nd to January 27th 2016 SAEINDIA M-BAJA was conducted at NATRAX, Madhya Pradesh, there were over more than 150 teams participated in the event. The main motto of this event is to allow the student of different colleges to design, analyze and fabricate their vehicle in order to bear different situations a vehicle undergo in the terrain showed by the officials. A team of 25 members were formed from CMR College of Engineering & Technology. The team did well in the virtual round which is the first stage of competition where the team need to show their design, calculations, working procedure they are doing to fabricate their vehicle. The teams which board members feel that they are suitable for participation are shortlisted from the list. The team got shortlisted in the virtual and did get allowance to fabricate the vehicle. The team did fabricate the vehicle and taken to the event.



CMR COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

NAAC Accredited Institution with 'A' Grade
Kandlakoya (V), Medchal Road, Hyderabad -501401.

In the event there were number of events they are mainly classified into static and dynamic events. In static events the teams are made to send design report, cost report, design validation plan (DVP), DFMEA. The team which performs best is awarded in its segment and ranking is given accordingly.

Our team has secured these ranks in each of these events

Design evaluation: In this event the teams are need to explain the panel members regarding their deign-procedure and justify their design in different aspects. And later need to answer the questions asked by the judge.

Position in design evaluation: 54th

Cost presentation: in this event teams need to produce the total cost of the vehicle fabricated including different parts which are manufactured earlier. Every team must produce the bills of each and every part which are evaluated by the judge. The team which fabricates the vehicle in lowest cost gets to win the event.

Position acquired in cost presentation: 27th

Sales presentation: In sales presentation teams are given a task of making 1000 vehicles per year. This event tests the managerial skills of the teams they need to show their factory design and place at which the factory needs to be built. And cost for this all equipment: Then just after the factory design they need to start the vehicle manufacturing and should consider cost for making each vehicle. Then the vehicle needs to be sold for a reasonable price to the customers. Taking all these aspects into consideration teams need to present a report. The team which gives the best performance in this event is awarded

Position acquired in sales presentation: 09th

Just after the static events dynamic events start in dynamic events, we have different competitions like braking test, maneuverability test, suspension and traction test, acceleration test, sledge pull test, go green test and endurance.

Our team secured these positions in each respective event as follows

Brake test: Team need to start from still point and should stop from 45kmph to 0 within 1.5m teams which pass this test are allowed to participate in other dynamic events.

Maneuverability test: In this event vehicles steering is tested where it is made through pass through sharp corners and unsteer able paths. The vehicle which completes this path in shortest time is awarded.

Maneuverability position: didn't participated

Suspension and traction test: It is the most difficult event where the vehicle is made to pass through difficult terrains and uneven terrains, logs etc. This event tests the vehicle suspension system, rigidity, strength of the vehicle.

Position in suspension and traction: didn't participated

Sledge pull: the vehicle is made to pull up to 1ton weight.

Go green award: This event tests the emission level which come out through the exhaust of the vehicle the teams which has the lowest emissions is awarded with go green award.

Endurance: This is the final event where all the vehicles are assembled in and made to complete laps through the given time. The team which makes the highest lap is awarded.

Endurance position: didn't cleared due to breakdown of vehicle

Overall position: 84th

CONVENER