



**GOKARAJU RANGARAJU  
INSTITUTE OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING**



**MEGA ATV CHAMPIONSHIP 2021  
FINAL EVENT REPORT**

## Contents:

- Abstract
- Introduction
- Discussion
- Result

## Abstract:

MAC(MEGA ATV CHAMPIONSHIP) began with the vision of setting a new benchmark for student design competitions held in India. Gokaraju Rangaraju Institute of Engineering and Technology has competed in this competition in the past under the name “Bruiser Heads”. The main aim of this event is to design, manufacture and make an All-Terrain Vehicle (ATV) move within the restrictions set by MAC. Team Bruiser Heads works hard to build the best performing, economic vehicle and to be the number one team.

## Introduction:

The event took place from 09<sup>th</sup> to 12<sup>th</sup> April, 2021 at Pernim, Goa. The event had dynamic events. The following report is a complete description of the event, in a day-to-day wise manner.

## Discussion:

### DAY 0- (09.04.2021) TEAM REGISTRATIONS-

The first day, “day zero”, there were registrations. We got our pit and arranged our vehicle and tools in the allotted pit.

### DAY 1- (10.04.2021) TECHNICAL INSPECTION-

Second day the technical inspection started at 10:00 o'clock. We had to wait until our chance came around 12:00 o'clock. We were qualified in the first attempt, had an engine check cleared it.. t 7pm we cleared brake test in first attempt.





## DAY 2- (11.04.2021) DYNAMIC EVENTS-

After that teams were lined up for dynamic events.

- Drag Race is fixed as our first dynamic event in the morning and we got P4.
- Flat Dirt Race test is our second event held afternoonat 3:45 pm and we were P3.



**DRAG RACE**



**FLAT DIRT RACE**

## DAY 3- (12.04.2021) ARMAGEDDON & ENDURANCE EVENT-

- Armageddonis our fourth dynamic event in the morning and we got P2.
- The last day of the event, we had endurance test of 1 phase. The track is around 9.5km in distance which includes all the test tracks of flat Dirt race, Drag Race. In the first two hours, we have made 9 laps by having breakdown because of illegal overtake by another team . By rectifying all the mistakes done, the rest one hour our vehicle was functioning good and made 3 laps covering 102km in distance. We stood 2nd position in this event.



**Armageddon Race**





## DAY & NIGHT ENDURANCE

### Result:

We achieved 1<sup>st</sup> position in the event out of 65 teams. We will be striving hard to maintain this position.



Mega ATV Championship 2021 team after winning (at the event place Goa)

TEAM BRUISER HEADS

MAC 2021 CHAMPIONS





## LIST OF PARTICIPATED STUDENTS

### List of Team members

SL NO.	NAME	STREAM/BRANCH	YEAR OF STUDY
01	Sai Ganesh sriram	Mechanical	4
02	Yerramsetty Rohith Datta	Mechanical	4
03	Md mustabeen khan	Mechanical	4
04	Mohammad Mahaboob pasha	Mechanical	4
05	Uday siddarthkannoju	Mechanical	3
06	Aligi Paulson	Mechanical	2
07	Allampallysaisrujan	Mechanical	2
08	Bandari varun raj	Mechanical	2
09	Bodakuntinitish	Mechanical	2
10	Dontha Rahul	Mechanical	2
11	Durga adithya	Mechanical	2
12	Kollanmanivardhanreddy	Mechanical	2
13	Peramvenkatajithendrareddy	Mechanical	2
14	Suhaspeddi	Mechanical	2
15	Thigullaharshavardhan	Mechanical	2
16	Varikuppalapranaykumar	Mechanical	2



**Mega ATV 2021 team with Director, HOD and Coordinator  
(before the event)**



**Mega ATV 2021 team with CEO, Director, Principal, Sr.AO, and Mech.HOD  
(after winning the 1st prize)**