

Phase 1 : Team formation

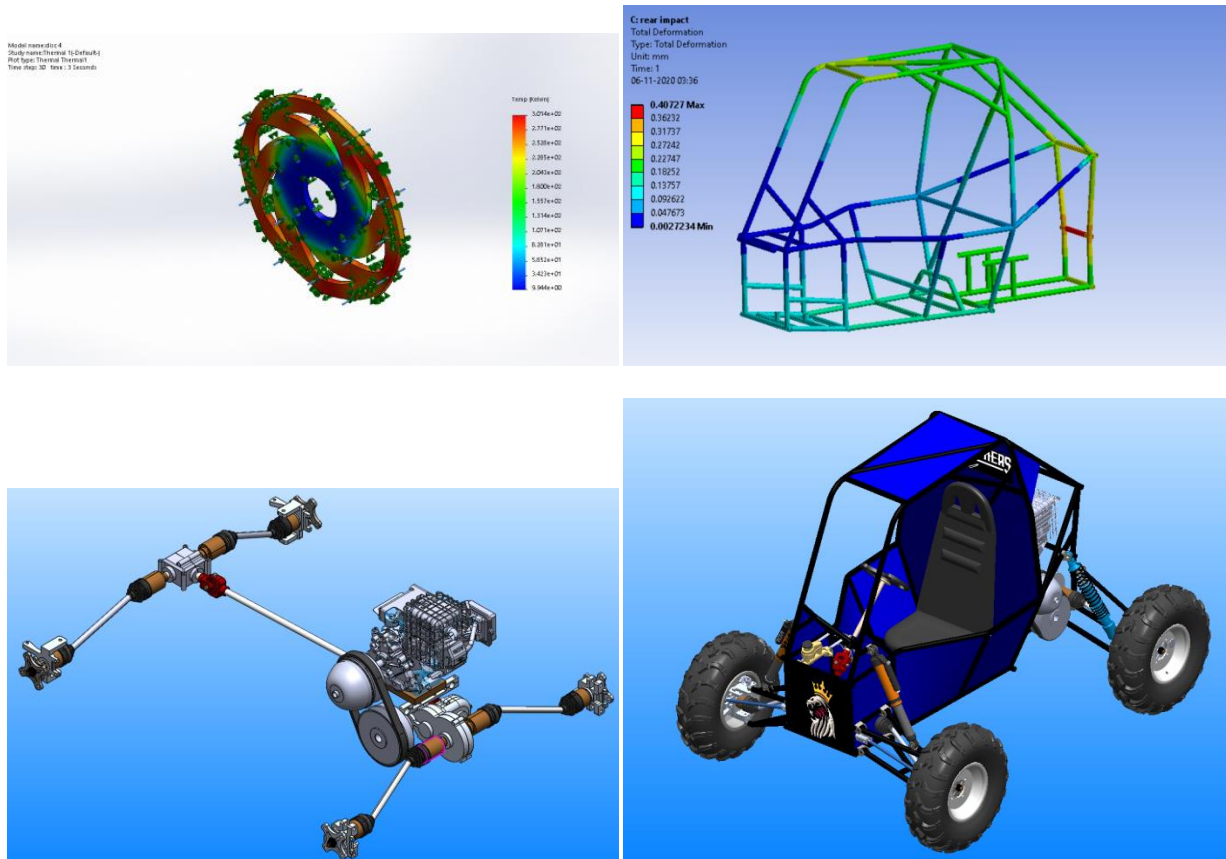
The team for SAE BAJA 2021 was recruited back in March 2020. The team consisted of 11 final years 10 third years and 4 second years students and 10 volunteers. The list of members follows at the end of this report.

Team Name : **Team Mudbrothers .**

Phase 2 : Design and Analysis

Team recruitment was followed by division of members into 5 major departments namely Roll cage, Power train, Brakes, Steering and Suspension with 5 members in each department.

After division, the team entered into the design phase which consisted of three major steps i.e. Research, Modeling and Analysis. Each department worked on their respective designs for 3 months.



A circular then was released by the Baja committee stating that the competition would not be held offline this year due to the pandemic and hence no manufacturing or fabrication of any sort was required. The entire event was divided into Two main phases i.e. Virtuals and Endurance

This was followed by Team Registration in August 2020 and a notice was issued to conduct the Virtuals in December 2020

Phase 3: Virtuals

After having successfully completed the entire design by July 2020. The core team which consisted of 5 members started working on the presentation required for the First round of the event i.e. the Virtual round.

The Team was asked to prepare a presentation covering topics of research, designs, cost analysis, project plan and improvements in design. This was followed by a general automobile knowledge test.

The Virtual Round was conducted in December 2020, wherein the team gave an online presentation of their project and gave an examination proving the team's ability to take part in the event.

The scores of the Virtual round decided the team's further progression into the event. The scores were released in January 2021 and the Team stood 3nd in entire Telangana State by scoring around 70 points on 100



TEAM ID	CAR NO.	COLLEGE NAME	CITY	PRESENTATION SCORE (OUT OF 50) (A)	BONUS AWD SCORE (OUT OF 5) (B)	QUIZ SCORE (OUT OF 50) (C)	TOTAL SCORE (OUT OF 100) (A+B+C)
21197	132	MIT- SCHOOL OF ENGINEERING	PUNE	24.4	2.8	33.5	60.7
21076	133	MKSS'S CUMMINS COLLEGE OF ENGINEERING FOR WOMEN,PUNE	PUNE	34.1	3.3	35.0	72.4
21176	134	MODERN EDUCATIONS SOCIETY'S COLLEGE OF ENGINEERING, PUNE	PUNE	33.7	3.6	38.0	75.2
21163	135	MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY	HYDERABAD	29.8	3.6	36.5	69.9
21162	136	MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT AND ENGINEERING	MUMBAI	27.2	0.0	33.5	60.7
21111	137	MVSR ENGINEERING COLLEGE	HYDERABAD	26.5	0.0	38.0	64.5
21106	138	NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR	DURGAPUR	33.8	3.4	36.5	73.7
21005	139	NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA , SURATHKAL	MANGALORE	34.1	0.0	39.5	73.6
21013	140	NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA	ROURKELA	33.5	2.6	36.5	72.6
21046	141	NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR	SILCHAR	27.4	2.8	29.0	59.2
21182	142	NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL	WARANGAL	BACKOUT	BACKOUT	27.5	27.5
21043	143	NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA	AGARTALA	37.0	0.0	26.0	63.0
21093	144	NATIONAL INSTITUTE OF TECHNOLOGY, JAMSHEDPUR	JAMSHEDPUR	28.5	2.8	33.5	64.8
21115	145	NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA	KURUKSHETRA	36.5	3.0	42.5	82.1
21086	146	NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI	TIRUCHIRAPPALLI	29.0	0.0	44.0	73.0
21171	147	P. R. POTE (PATIL) EDUCATION AND WELFARE TRUST'S COLLEGE OF ENGINEERING AND MANAGEMENT AMRAVATI	AMRAVATI	BACKOUT	BACKOUT	9.5	9.5



Phase 4: Endurance

After having successfully completed the Virtual round, The team was asked to participate in a virtual endurance race facilitated by a software named IPG Modeling. This software tests the ability of the vehicle to endure various terrains without breaking down. The team was not able to participate in the endurance event due to less understanding of IPG Car Modeling software and also due to some serious health issues with in the team.

Phase 5 : Next Team Formation

Hopefully in the month of June 2021 Team formation will be done .

TEAM MEMBERS	DESIGNATIONS	YEAR& CLASS	ROLL NO.
Syed Saif ullah quadri	CAPTAIN,SUSPENSION HEAD	4/mech-B	1604-17-736-082
Mir Mujtaba Ali	VICE CAPTAIN, ROLL CAGE HEAD	4/mech-B	1604-17-736-112
Syed Shazeb Hameed	TRANSMISSION HEAD	4/mech-B	1604-17-736-084
Mohammed Arbaz Khan	STEERING HEAD	4/mech-B	1604-17-736-117
Mohammed Sultan Ahmed	BRAKES HEAD	4/mech-B	1604-17-736-067
Syed Mohammed Mujtaba Af ān	MARKETING HEAD	4/mech-B	1604-17-736-091
Mubasshir Hasan	Member	4/mech-B	1604-17-736-113
Syed Ahmed Moinuddin	Member	4/mech-B	1604-17-736-085
Mohammed Nadeem Ali	Member	4/mech-B	1604-17-736-088
Syed Ilyas Ali	Member	4/mech-B	1604-17-736-309
Mohammed Kamran Masoodi	Member	4/mech-B	1604-17-736-115
Mohd Abdul Mateen	Member	3/mech-B	1604-18-736-086
Mohammed Tayyab	Member	3/mech-A	1604-18-736-013
Mohd Saadullah	Member	3/mech-A	1604-18-736-053
Mirza Tauqeer Ahmed	Member	3/mech-B	1604-18-736-085
Syed Younus	Member	3/mech-B	1604-18-736-110
Syed Fazil Ahmed	Member	3/mech-B	1604-18-736-082
Amaan Uddin	Member	3/mech-A	1604-18-736-028
Syed Muneeb Ahmed	Member	3/mech-A	1604-18-736-019
Mohammed Yousuf Aleem	Member	3/mech-A	1604-18-736-025
Mustafa Ali Khan	Member	3/mech-A	1604-18-736-013
Parth Dhagat	Member	2/mech-B	1604-19-736-069
Syed mohd Ashraf hussain	Member	2/mech-B	1604-19-736-063
Amaan Ahmed	Member	2/mech-A	1604-19-736-059