

Annual Report
MESA COUNCIL
(2016-2017)

K. J. Somaiya College of Engineering, Mumbai-77
(Autonomous College Affiliated to University of Mumbai)

Name of the Council: MESA
List of Members/Details of Committee- 2016-2017

Sr. No.	Name of the Faculty advisor/ in-charge	Department	Portfolio
1	Vilas G. Dhore	Mechanical	Faculty Adviser

List of Members/Details of Committee- 2016-2017

Sr. No.	Name of Student	Department	Portfolio
1	Pratik Darda	Mechanical	General Secretary
2	Shohil Buntaria	Mechanical	Treasurer
3	Sanat Chitnavis	Mechanical	Pro
4	Klinzman Vaz	Mechanical	Joint PRO
5	Abhinav Kshirsagar	Mechanical	Event /Industrial Visit Head
6	Shreya Rajamane	Mechanical	Joint Event Head
7	Hitesh Gohil	Mechanical	Technical Head
8	Aakash Nalavade	Mechanical	Joint Tech Head
9	Vallari Borkar	Mechanical	Creative Head
10	Ria Bhattacharjee	Mechanical	Joint Creative Head
11	Pratik Darda	Mechanical	General Secretary
12	Shohil Buntaria	Mechanical	Treasurer
13	Sanat Chitnavis	Mechanical	Pro
14	Klinzman Vaz	Mechanical	Joint PRO
15	Abhinav Kshirsagar	Mechanical	Event /Industrial Visit Head
16	Shreya Rajamane	Mechanical	Joint Event Head

Photo of MESA Council - 2016-17



Details of events/activities held during academic year 2016-2017

Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
1	26 th August	2016	August	5.15-7.00 pm	KJSCE	Orion Racing India orientation for S.Y. B. Tech students
2	1 st September	2016	September	2 days	KJSCE	Abhiyantriki 2016: Three events were conducted by us , 1. CAR-O-BAAR 2. BRING IT DOWN
3	14 th September	2016	September	5.15-7.00 pm	KJSCE	Team Onyx orientation for S.Y. B. Tech students
4	25 th Nov	2016	November	10.00-1.00 pm	Kandivali Mumbai	Industrial Visit Mahindra & Mahindra , Kandivali
5	3 rd March	2017	March	3.130.4.30 pm	KJSCE	Seminar by Tata Institute of Social Science (TISS)
6	18 th March	2017	March	1 Day	KJSCE	Mechanical Engineering Departmental Day "IMPULSE"
7	25 th March	2017	March	10.00-2.00 pm	Vikroli, Mumbai	Industrial Visit to Godrej Aerospace Division

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Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
1	26 th August	2016	August	--	KJSCE	Orion Racing India orientation for S.Y. B. Tech students

Details of participation in the event/activity

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
SY						70

Report of event/activity

The first and foremost event organized by council was Orion Orientation S.Y. B. Tech Mechanical students. The purpose of this orientation was to make the student aware about what Orion, the activities of Orion, the work culture, the project of Orion and Team events.. It was held on 26th August 2016. It was huge success because of the enthusiasm shown by S.Y. B Tech students.

Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
2.	1 st & 2 nd September	2016	September	--	KJSCE	Abhyantriki 2017: Three events were conducted by us , 1. CAR-O-BAAR 2. BRING IT DOWN

Details of participation in the event/activity

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						85
SY						
TY						
LY						

Report of event/activity

The members of MESA and ISHRAE Councils jointly conducted the events in ABHIYANTRIKI i.e. “Car o Barr” and “Bridge the Gap” on the day 1st September 2016 in the specified locations i.e. B building fifth floor Room 517 for Car o Barr and Room no 501 and 502 for Build the bridge .

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CAR-O- BAR: The Car o Barr Event was taken in the Room no 517. There were six participants from different colleges participated in the event. The Event started at the decided time the participants displayed the marketing skills and business strategies to the cars to the judges for launching their cars in the market. After the presentations were over there was the troubleshooting round was held in which the participants were given a real-life situation which would happen with their cars and how would they deal with it. Then the Quiz round was held, it was divided into two parts the first part was simple multiple choice in which 15 min were given to the contestants to solve it and submit and second part was a rapid fire round in which we started a time limit and saw that which teams answers the maximum number of questions which went well.

The photo of the presentation during Car O Bar Event



BRIDGE THE GAP: Bridge the gap was held in the Corridor of the fifth floor of Bhaskaracharya building. The participant arrived at the decided time with their bridges as per specified by the rules. Each team was given the number which we used as the reference and an individual sheet for the specifications of their bridges. The measuring instrument was built by us to measure maximum deflection done by the bridge. As the contestants arrived with their bridges we gave them the rooms for the breakage or damage occurred while transportation of the bridges. Then we took individual Bridges to test the maximum deflection and test the bridges for the strength.

Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
3.	14 th September	2016	September	5.15-7.00pm	KJSCE	Team Onyx orientation for S.Y. B. Tech students

Details of participation in the event/activity

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
SY						48

Report of event/activity

On 14th of September 2016 Team ONYX orientation was conducted. The main aim of this was to create the awareness about aeronautics among mechanical students and also make them aware about on goings of Team ONYX.

Orientation by Team ONYX for SY students



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
4	25 th Nov	2016	November	10.00.- 1.00 pm	Kandivali Mumbai	Industrial Visit Mahindra & Mahindra , Kandivali

Details of participation in the event/activity

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						40
SY						
TY						
LY						
No of Faculty						2

Report of event/activity

The industrial visit to Mahindra & Mahindra, Kandivali organised on 25th Nov 2016 by MESA council Prof. Vilas G Dhore accompanied the students during the visit. Total 30 students second year & third year attended the visit. At first in orientation, they have a given a brief about the company and their different plants, products and their practices in Mahindra & Mahindra. Then we have been taken to various departments, such as shop floor consisting various department such as engine department, welding shop, department, body shop and assembly line , heat

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treatment plant etc. During the visit we have seen some special purpose high-tech CNC machines, welding robots along with many conventional machines. The visit was really informative, and we got a chance to learn the practical aspects of the some of our theory subjects such as production process, material technology and design.

Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
5.	3 rd Mar	2017	March		KJSCE	Seminar by Tata Institute of Social Science

Details of participation in the event/activity

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						50
SY						
TY						
LY						

Report of event/activity

The Tata Institute of Social Sciences took an initiative to approach the K.J. Somaiya College of on 3rd March 2017 to spread the awareness regarding the fragile mind-set the students have throughout the strenuous academic career. The Institute sent a dignitary to explain the premise to the students and also provided free consultation courses. 50 students attended this seminar and took benefit from it.

Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
6	18 th March	2017	March		KJSCE	Mechanical Engineering Departmental Day "IMPULSE"

Details of participation in the event/activity

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						200
SY						
TY						
LY						

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Report of event/activity

The Mechanical Engineering Departmental Day “IMPULSE” was organized on 18th March 2017. The following events were conducted on the annual occasion ‘Impulse’ 2017.

1) BE project presentation

Attended by some 165 students from the final year, this event showcased the amazing brains and innovation of this generation mechanical engineers, ranging from additive manufacturing, solar energy, composites usage, etc.

Departmental Project Poster Presentation



2) Technical Paper presentation

This event had four participants each with outstanding ideas. The event was judged by Prof. Luckman Muhmood of our college.

Technical Paper Presentation



3) Quiz

The quiz was solely meant for the final year students and to check whether they are ready to solve some of the toughest technical questions. The twenty students participated in the quiz.

4) Pictionary

It was one of its kind fun events, where the participants had to form pairs and compete with other team. One team member would try to draw and picture any mechanical related process while the other member would guess it. The participants surely enjoyed to their fullest. Ten students participated in this event.

5) ME project presentation

The post graduate students of our college also put up a commendable presentation. All the 18 students from M Tech have participated in the event.

Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
7	25 th Mar	2017	March		Vikroli Mumbai	Industrial visit to Godrej Aerospace Division

Details of participation in the event/activity

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						40
SY						
TY						
LY						
No of Faculty						2

Report of event/activity

The most exciting event conducted by the MESA council on 25th March 2017, an industrial visit to the Godrej & Boyce Aerospace division at Vikroli, which are manufacturer of the subsystems of Bhramhos Missile. Prof. Prashant Yelpale and Prof. Shilpa Bhambhure accompanied the students during the visit. Total 40 students visited the plant in two batches of 20

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each. The students got to witness the process of how the outer structure of the Bhrmhos warhead is produced and also received valuable information about some the most advanced and complicated machinery used in the procedures.

Photo of Industrial Visit Godrej Aerospace Division, Mumbai

