



THE VERVE

For Technical Nerds

Issue #2

September' 19

SAE JMI welcomes everyone to our monthly newsletter, THE VERVE! This is our second issue and we are really excited to launch this newsletter to keep you informed on a monthly basis with all the ongoing activities along with the upcoming events and competitions.

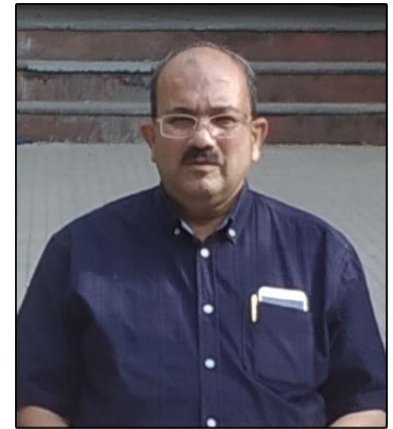
Whichever department you are from, there will be something new in here for you every month, so stay tuned!



Message From The HOD:

Our department has active and vibrant professional society activities where the students get a platform for organising and developing engineering ideas. I appreciate the efforts, hardwork and enthused endeavors of the students team in bringing out this newsletter. I wish the newsletter is widely read and cherished and hope it will continue to inspire everyone.

-Prof. Mohd Emran Khan



Few Words By Our Faculty Advisors:

It is a matter of great pleasure for me to extend heartfelt greetings to all the readers of this issue of the SAE Newsletter. At the outset, let me congratulate all the SAE-JMI student members for bringing out this newsletter in a very short span of time. This endeavour of the SAE-JMI student members will serve as an information hub through which the SAE-JMI activities, achievements and upcoming events can be viewed. It is a matter of pride for all of us that the participation of the students in different national level competitions is getting recognized and awarded. As its effect, the university rankings of this great institution of learning, Jamia Millia Islamia, is improving every year.

The recent decision of the government is opening great opportunities for the students to innovate and create new designs. I look forward to the continued participation of students and faculty members in SAE-JMI so as to take the university to greater heights. Criticisms, opinions, suggestions for improvement and encouragement will be highly appreciated by the Editorial team of SAE Newsletter to make the next issue of the Newsletter more vibrant and useful.

Prof. M.M. Hasan
-Prof. S.M. Muzakkir



Induction Program:

The Department Of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia organized a 2 week induction program for all the first year students. The induction program aimed to enhance student's familiarity with the faculties, FET JMI campus, it's facilities and a plethora of cultural activities of the institution. With a fresh exposure of the induction programme, the students were exposed to the ambience of the institution with zeal and enthusiasm. To make the students feel comfortable in the new environment, open them up, create bonding between batch mates and between faculty and students, understanding of the self & society. On the last day of the induction program i.e. 9th August 2019, SAE JMI unveiled the first issue of their newsletter THE VERVE- For Technical Nerds in the presence of The Dean of FET JMI. We introduced our society and interacted with the freshers in the program as well.

About Clubs:

There are several official clubs of JMI of which students can be a part of. Being their part will help the individual in grooming his/her all round personality. By being a member of the club you can also follow your hobby or passion. The clubs are here as follows:

- Debating Club • Drama Club(Hindi/English) • Music Club • Literary Club
- Business Club • Quiz Club

All interested students are advised to collect the enrollment form for the above mentioned clubs from the office of the Dean, Student's Welfare, Dr. M A Ansari Auditorium, Jamia Millia Islamia. There is also a music group in FET itself, of which you can be a part if you are really good at your skills i.e. Vocals or Instrumental. Application Forms will be soon circulated in your class groups and then registered ones will be called for an audition.

On Going Events:

AWIM-MASTER TEACHER AND VOLUNTEER TRAINING PROGRAM

Designed by the Society of Automotive Engineers (SAE), AWIM curriculum joins together teachers, students and industry volunteers(i.e. university students) in an exploration of physical science while addressing mathematic and scientific skills.

This event is conducted and sponsored by Maruti Suzuki India Limited and the university students play an important role in helping motivate the younger minds to develop interest in technology, science, Maths and Physics.

In this event, students are provided with a kit containing raw materials to build toys and the university students (i.e. industry volunteers) teach them to design, build and experiment with them.

AWIM- 2019 competition will be held on Oct-Nov. The recruitment of volunteers from 1st and 2nd year is going on and the interested students can contact the following AWIM'19 leaders: Sidra, Hammad, Mansha, Shiraz

Indian kart racing (IKR)- a competition involving the manufacturing and design of a Go-Kart. It is an all India level of competition in which teams of different colleges come forward to compete each other in different rounds. IKR competition comes under ISIE (imperial society of innovative engineers). In 2019, we are gearing up for participating in this competition once again which is going to be held in October in Bangalore. Firstly on-campus mentorship is provided to the team members. As the preparation goes on we have to submit the design report to the organizers and then the final event takes place. The team of FET is all set to reach the final goal. Chassis has been designed. The fabrication of the parts is remained. The first virtual round has been completed. Reports have been submitted. The work process is video recorded and submitted to the organizer, which has already been done. All the patchwork is to be done and then we are all set to conquer.

QBDC (quad bike design challenge) is a student level competition conducted by FMAE (Fraternity of mechanical and automotive engineers) in which an ATV bike is designed and manufactured. In this competition a minimum of 12 members are required in a team. The fet, jmi have always been a great performer in this competition.. Last year our team got a sixth spot among 21 teams. In 2020, the students of second year mechanical department are gearing up for the competition, which is going to be held in February. About Team STEALTH.

STEALTH is an abbreviation for Super Technical Enthusiastic And Liberated Team Habilitated. To help and support and to know more about them kindly follow their Instagram handle



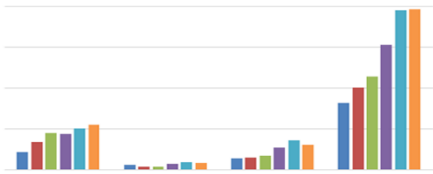
Editorial Team's First interview

Recently the Editorial Team of SAE JMI visited R&D, Maruti Suzuki India Limited, Gurgaon. There we got an opportunity to interview Mr Jitendra Malhotra, General Manager, MSIL. We had a good conversation with him where we asked him questions and answered them genuinely.

Considering the present Indian Market, should automobile industries go towards Electric Vehicles?

That's quite far away, as thinking practically that requires a good infrastructure. Usually in many places there is no 24 hours electricity so how they will charge their cars. So instead of giving discount on electric vehicles government should focus on charging stations. You will find petrol pumps everywhere but you will hardly find any charging stations..

To read his full interview wait for our magazine or check our online blogs.



We summarized the most shocking News.

The auto industry contributes about 7.5 percent to India's GDP, that's nearly half of the overall manufacturing sector's share of 17 percent of the GDP. However, the automobile industry is facing major headwinds both at the global and domestic level. According to reports, vehicle Manufacturers such as Mahindra & Mahindra, Maruti Suzuki, Tata Motors, Ashok Leyland, Toyota and Hero MotoCorp have all had plant closures for a few days in recent months. Component manufacturers such as Bosch, Wabco and Jamna Auto have also followed suit. FADA's online survey among its members last month revealed that two-thirds of the dealers rated the sentiments in the industry as bad. About 55 per cent of them also said that liquidity scenario was bad.

As times are bad for automobile industry, Government has given a beacon of hope to revive the industry. On 23rd of August, 2019 Nirmala Sitharaman announces multiple changes to boost growth.

Here we are providing what we analyzed from her 57 minutes ephemeral announcement that has given hope to all: Extra surcharge on any capital gain from sale of shares has been scrapped. Highest surcharge will thus be restored to pre-budget level of 15%. The Government will frontload capital infusion of 70,000 crore for public sector banks that Sitharaman had announced in the 2019-20 budget.

Banks will be asked to link their loan rates to the central bank's repo rate (currently 5.4% vs SBI's 1-year MCLR of 8.25%) or an external benchmark. Angel tax on startups has been withdrawn. A dedicated cell under member of CBDT will be set up to address their problems. New registration fee for vehicles deferred to 2020. Sitharaman clarified that all BS-IV vehicles will be able to run for their entire registration period. Companies will be able to depreciate all vehicles purchased from now till the end of March 2020 at 30%, double the previous rate. NHB will extend additional liquidity of 20,000 crore to housing finance companies, bringing the total support to 30,000 crore. Violation of provisions related to corporate social responsibility (CSR) will not be treated as a criminal offence but a civil liability. Micro, small and medium enterprises will get their GST refunds in 30 days. The MSME Act will be amended to move towards a single definition. NON BANKING financial companies will be allowed to use a bank's 10 Aadhaar authenticated know your client (KYC) data for lending to customers.

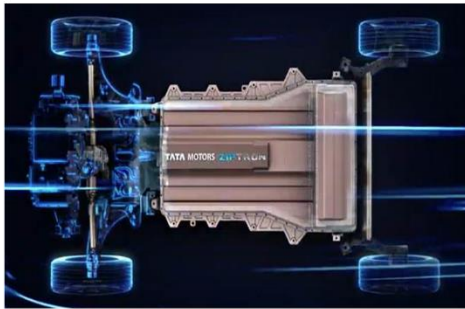


Chandrayaan 2

The world watched with bated breath as India tried to go where no one had ever gone before i.e. The South Pole of the Moon. The Chandrayaan-2 has achieved 95 per cent of its mission objectives, but the lander's unsuccessful bid to touch-down on the Lunar surface was just 5 percent of the mission. And for this all thanks to the Chandrayaan- 2 orbiter which is orbiting the moon successfully.

International space experts and media around the world is calling the communication loss with 'Vikram' lander a "partial loss" and said "all is not lost" as the orbiter with key scientific instruments on board is still circling. Orbiter can take pictures of the moon and send them to ISRO.

We remain hopeful and will continue working hard on our space programme. India is proud of our Scientists and will always be! They've given their best and have always made India proud.



Tata reveals Ziptron EV Technology for future all-electric vehicles

The battery pack uses liquid cooling for optimum performance and will provide a range of 250km

1~The electric motor in the Ziptron package is rated at 300V.

2~Its battery pack is IP67 rated for water and dust resistance.

3~The battery pack will come with an 8-year standard warranty.

4~Altroz EV could become the first Tata car to feature Ziptron tech.

5~Tata claims to have tested the Ziptron EV setup over a million kilometres.

Ford to put struggling India business into venture with Mahindra

Mahindra, one of India's largest automakers, will own 51% of the new entity, said the people, who asked not to be identified discussing the confidential plan. Ford will get equal voting rights and board representation, one of the people said.

Why University Placement Cell (UPC) is important and how to be in touch with the updates?

University Placement Cell is important as it fills the gap between the ongoing competition and the talent available in the college. It's like a bridge that we must walk on to have a better way of communication to showcase our talent in the right place.

With adequate training and assistance of the faculties, students enhance their skills and understand how to showcase their abilities in the best possible way.

To contact Training & Placement Officer at the following address:

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Jamia Millia Islamia, New Delhi-110025
Phone Nos. 26989106 (D) 26981717 Extn.: 2580/81.
Email: rsuri@jmi.ac.in; dr.rihansuri@gmail.com

Few words on Women Empowerment by Mariyam Rabila. B.Arch III year

A car whose wheels are not equally balanced is dangerous to drive and can cause serious harm to the driver as well as the passengers. Similarly, a society that does not maintain a balance between the genders is bound to go downhill. The idea of a world where women are equally involved in decision-making processes does not have to be utopian.

Females have been highly underrepresented and discriminated against over the centuries even though they comprise almost half the population of the world. We tend to talk about oppression of women in past tense, but it is very much a matter of the present. With most parliament houses having a clear majority of male leaders, everyday struggles of an entire part of the society are negated. The consequences are brutal, sometimes even dehumanising. In some places, the freedom to abort a foetus is taken away by delegations mostly comprising of men, and in others, basic items of extreme importance like sanitary pads are classified (and taxed) as luxury products. The few women who do manage to make it are left feeling unheard as well as unsafe.

Forces of patriarchy have worked over the decades to portray an unstable and melodramatic image of women. Female protagonists in soap operas and popular culture are often shown either as overly sensitive individuals who are constantly plotting against other women, or as intellectually deprived beings manufactured for maintaining households and pleasing men. The usage of certain terms in everyday lives like the miserable “catfights” and the mighty “bro-code” also subconsciously works to belittle women, so much so that little girls often end up priding themselves for not being too “girlish”. The stereotypes often lead to the rejection of highly qualified candidates from well-deserved positions solely on the basis of their femaleness.

An equal representation of all genders in the various diverse fields such as Politics, Sports, Science and History is key to growth. In the present world, the talent and potential of billions of women is going to waste. Leaders are supposed to be the people who understand the problems of the groups they represent and work for. Thus, equal participation in ministry and other leadership and decision-making positions would not only be beneficial to the women of the society, it would be a positive change for the overall development, growth and advancement of the world.

SAE Jamia Fresher's Week '19





THE VERVE

Will Be Back Next Month.

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