

MIIIC

The Mech Chronicle | Annual Report 2020-21

ESTD: JUNE 2019

Started and Managed by the Students of
Mechanical Engineering Department,
MSU Baroda

REDEFINING POSSIBILITIES



Celebrating **Second**
Foundation Year

Let's Walk Together Towards Endless
Opportunities, in this Digital Era.

**WITH A FOREWORD BY
PROF. C. N. MURTHY**

Dean, Faculty of Tech. & Engg.
The M. S. University of Baroda

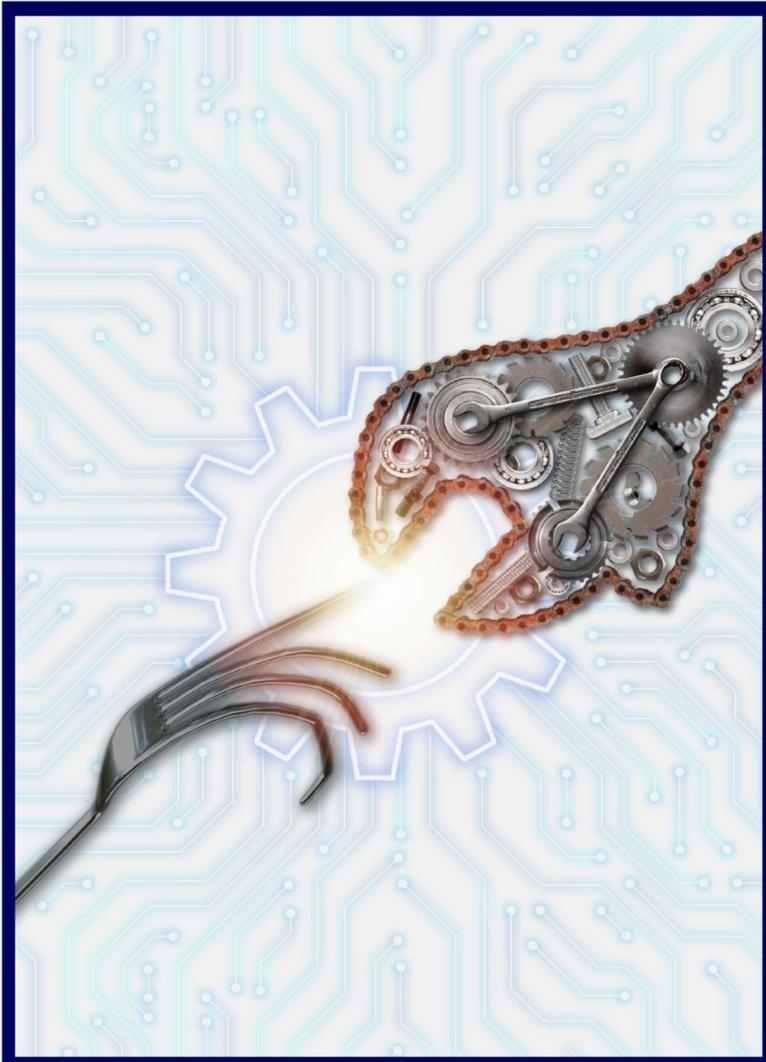


**TOKEN OF APPRECIATION BY
MR. MANISH KOTHARI**

Managing Director (MD), Rhino
Machines Pvt.Ltd.

THE MECHANICAL INDUSTRIAL INTERACTION CELL

COVER STORY



REDEFINING POSSIBILITIES!

How do you perceive an art?
Can one art be the representation of a million interpretations?

Cover page of THE MECH CHRONICLE showcases many interpretation, some of which are noticeable but some are insightful. Let us explore how the cover idea was conceptualized.

There is clearly a classic spanner depicting to be a source of mechanical capabilities for the curious hands of fork trying to embrace it. Yes, it might seem a little bizarre that a spanner which tightens the bolts, from a tiny tricycle to a massive Airbus, helps an inexperienced hand of fork whose place is only on the dining table. This shows the chase of diversity that we want to achieve, with the advert of necessity. All the components arranged inside the humongous spanner might seem messed up depicting its valuable diverse experience, capabilities and potential that is been structured inside its body depicting the

source of profound knowledge. The hands of fork represents the hands of common engineer whose hunger and inquisitiveness to explore and reach out the vast and superior world, seeking to inculcate various capabilities who is looking up to the massive spanner, the source.

But with the glory striking in the background, with presentation of a huge digital gear with traces of digitization emerging out from the centre of the digital gear depicting the association of digitization with the classic mechanical engineering. The world around us is getting connected with each other, hardware have been connected to the software in the shift of this pandemic.

The bright light at centre represents the confluence of the bodies with the background of change playing its role. The light of sun; of a new morning and the embrace with redefined possibilities spreading out showing the opportunities for the budding engineers.

The World of Engineering will again be changed. The possibilities will be redefined again and so are we to accept with broader arms!

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Aakash Kavaiya



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FOREWORD

I am very happy to note that Mechanical Industrial interaction Cell (MIIC) was established in the Department of Mechanical Engineering, Faculty of Technology and Engineering on 27th June 2019. Since then MIIC had been doing yeomen service in bringing together the students and the industry experts on a common platform to enhance the teaching learning experience of the students of the Mechanical Engineering Department.

India is a growing industrial nation and there are talks of the 4th Industrial Revolution being led by India. In this context, quality engineers with sound knowledge of the fundamentals and industrial practices are needed for the country. I understand, MIIC was established to give the students best learning experience by making them familiar with the practical aspects of Engineering. Thus the path chosen to reach this goal was of organizing industrial visits and arranging various expert guest lectures. The various guests chosen have expert practical knowledge in their fields that would give the students a vision on how their real-life industrial challenges can be faced.

In this current pandemic situation, the big challenge is to see how the various activities of the MIIC are taken forward. One activity that can be successful is the online talks by experts in this area.

I appreciate their work and dedication and assure them of my unconditional total support in all their future endeavors.

With Best Wishes,

Prof. C. N. Murthy

Dean,

Faculty of Technology & Engineering,

The Maharaja Sayajirao University of Baroda

TOKEN OF APPRECIATION

In my days at MSU Techo from 1987 to 1991, I found the connect with industry missing for majority of the students. I was fortunate to have had exposure to industry even before joining. However, I have always felt there was a missing connection between students and industry.

Come 2021, about 30 years from the time I graduated, I found myself on the industry side, and I still missed the same connect. I have been constantly trying to increase engagement with students for past 6 years, but could not reach as i could not find a student driven associatio .Institutions relationship with industry was limited to the curriculum needs, and a very small number of engagements happened. As an industry we have faced problems of having industry ready and employable youth, and the youth struggle to find their footing in industry as suddenly it's a completely new scenario.

When MIIC approached me, one I was elated as it met two of my personal needs, connecting back to my alma mater Mechanical Engineering of Faculty of Technology and Engineering, MSU Baroda, and being able to connect directly with students without any formalities of curriculum or institutional permissions.

It started with the routine of asking to lecture, and here I used the approach of demand driven rather than supply driven. I asked MIIC to come up with the subjects and questions which were in the mind of students, and participated in an interactive webinar hosted by MIIC took this platform to invite students to internship at our enterprise, provide them an access to MSME industry in my network, arranging visits, and got an equally receptive response from students. The interaction led to another product offering to students in our training institute, engineering bootcamp, providing basic workshop skills exposure and hands on mechanical and electrical experience at Anwasha Foundation at a nominal cost.

The pilot experience with MIIC and students from diverse backgrounds has given birth to extending this interaction which was limited to Rhino Machines. Coming up is a industry and academia interactive platform at Vitthal Udyognagar to provide direct access and connect for industry, academia and students for internship, projects, part time opportunities, incubation, visits.

I wish MIIC all the best and extend my enterprise support to continued engagement for mutual benefit of industry and students.

Manish Kothari
Managing Director,
Rhino Machines Private Limited

PRAISE FOR THE CELL

“ Mechanical Industrial Interaction Cell which was started in 2019 by the students of Mechanical Engineering Department, with the vision of creating industry leaders of tomorrow by empowering students through proper training and career opportunities, has completed two years serving the students. I congratulate MIIC for this achievement and I acknowledge the continuous efforts of the team for the development of the students. Be it offline or online, MIIC has always been there for the students to guide and nurture them. This year, inspite of covid situation and lockdown, MIIC had organized various skill development sessions, expert talks and achieved a milestone of creating an application of MIIC named MIIC4U where students can access various facilities which help them for their personal growth and serves the purpose of connecting all the students together. Such efforts and activities will help the students to get some ideas of the corporate world and instigate necessary skills and attitude for their future journey. I hope that MIIC will continue this journey in coming years as well, benefitting the department and society in a whole and I hope for their best. All my best wishes are with MIIC, All the best and good luck! ”

Dr. Jagdish M. Prajapati
Head of Mechanical
Engineering Department

“ With profound pleasure, I am penning down few words for my dear students and their mission named MIIC. I am very happy to learn activities initiated by MIIC. Like any river starts as a small stream, the big tasks also start with small but determined beginning. MIIC has carved a small niche which will definitely prove to be a stepping stone in self learning and development of students. We need to strengthen activities like industry-institute interaction, career counselling, personality building etc., so that students and teachers both benefits from it. I appreciate humble beginning in this direction by MIIC. Focused efforts by students under the guidance of learned teachers will definitely help our department achieving new heights. Wish you all good luck for your bright future. ”

Dr. Dharmendra S. Sharma
Professor,
Mechanical Engg. Dept.

“ It's my pleasure to testify for Mechanical Industrial Interaction Cell - (MIIC),as one of the persons involved, right from its initiation. MIIC was initiated by a group of like minded students with positive frame of mind to help the activity of "Training and Placement cell ", mainly to take care of industrial visits,training & problem oriented projects for the benefit of Mechanical Engineering students. It was intended to be a supporting arm of T &P. Cell, at department level. After looking back through the journey of MIIC, for almost two plus years, it is observed that student coordinators of MIIC have lived upto the expectation of one and all in the department to facilitate interaction for development of both soft skill as well as technical skills through interactive sessions with experts in the field. It was cherished desire of all concerned that MIIC will grow in leaps & bounds in the years to come in the interest of expectation of students, to get an appropriate training, demonstration of practicals,innovative solutions to technical problems of industries, training & placement. MIIC had also arranged Training Programme for the development of their soft skills of all the students. I wish every success to MIIC in their pursuit of excellence to scale newer peaks of excellence in the years to come.

With Best Wishes! ”

Mr. Girish D Karhadkar
Associate Professor,
Mechanical Engg. Dept.

PRAISE FOR THE CELL

“ I am happy to see the amount of enthusiasm of our MIIC's beloved student group actively conducted and managed various activities and events under MIIC for the year 2020-21. This shows the positive and imaginative energy of our students. They are proudly publishing the annual report of MIIC 2020-21, in order to show to the outside world, and also to remind the denizens of Mechanical Engineering Department, Faculty of Technology & Engineering, the progress which they have made so far. I wish they intend to continue presenting the talent and creativity of students through Dazzle every year. I congratulate and thank all the students and coordinators who have made untiring efforts to bring out this annual report. I wish them all success in years to come. ”

Lt. Dr. Piyush P. Gohil
Associate Professor,
Mechanical Engg. Dept.

“ The MIIC was started in 2019-20 with a view to encourage exposure of students to industry and prepare them for recruitment and their role in the professional field. In the second year of its operation, inspite of the COVID 19 pandemic scenario, MIIC has managed to perform well towards its objectives. Number of online workshops, webinars and trainings were conducted. Sessions for overall development of students and enhancing their competitiveness in all the domains were conducted. The team of MIIC has persevered during the hard times and come up with very good efforts for fulfilling the objectives of MIIC in its second year as well. ”

Dr. Akash B. Pandey
Associate Professor,
Mechanical Engg. Dept.

“ Congratulations on well-deserved success of Team MIIC after successfully completed second year. I appreciate the work carried out by team MIIC in this pandemic time. All the activities carried out by cell is really helps to grow the academics and practical aspect as well, which helps to groom overall. It is a pleasure to see commitment and coordination of team MIIC. It really brings the positivity and moment to Mechanical engineering department. Wishing MIIC more success for future. ”

Mrs. Sheetal S. Soni
Associate Professor,
Mechanical Engg. Dept.

“ I am pleased and proud for the MIC team for their non stop work though this pandamic. This team of MSU students are working on various aspect of student development and organises various events. Students of these team not only learning team buliding but also leadership and better communication qualities. They are becoming industry ready and learning various skills by participating and organising events likes lectures, trainings, mock interviews, resume casting etc. I wish the team all the very best and request other students to be part of team and actively participate in various activites. With All Good Wishes! ”

Mrs. Alpa T. Bhatt
Associate Professor,
Mechanical Engg. Dept.

PRAISE FOR THE CELL

“The great aim of education is not Knowledge but action.” -Herbert Spencer

“Education is what remains after one has forgotten everything he learned in the school”- Elbert Einstein

Our actions are the mirror of our knowledge. If we cannot act in the best interest of our society or profession than all the acquired knowledge just becomes a tiresome and fruitless activity for the students. Keeping this in mind the MIIC-Mechanical Industrial interaction Cell was established in the Department of Mechanical Engineering -Faculty of Technology. Good engineers are the requirement of a technologically sound country, and the main aim of this activity was to create good engineers. MIIC was established to give the students best learning experience by making them familiar with the practical aspects of Engineering. The path chosen to reach this goal was of organizing industrial visits and arranging various expert guest lectures. The various guests chosen have expert practical knowledge in their fields that would give the students a vision on how their real-life industrial challenges can be encountered. The current covid pandemic posed a great challenge on how this cell would work amidst all these challenges of corona virus outburst. However, I feel proud today to acknowledge that our MIIC team has done a wonderful job even in these challenging times and proved again that calamity can never restrict an activity if it is backed by 3 Ds- dedication, devotion and determination. I appreciate their work and dedication and assure them of my unconditional total support in all their future endeavors. With Best Wishes!

Dr. Arvind S. Mohite
Associate Professor,
Mechanical Engg. Dept.

“Students are doing very good activities. They are really dynamic and very important aspects is they are working in close contact with the teachers of the department. I wish them good luck for future activities.”

Dr. Amit R. Patel
Associate Professor,
Mechanical Engg. Dept.

“I am very happy to see that MIIC has been arranging various activities which groom the students to draw out their hidden potential. Our students are gems, but even diamond needs polishing! Such activities by the students and for the students will definitely help our department shine further! My best wishes to MIIC and our own Mechanical Engineering Students for a bright future!”

Dr. Jignesh R. Mehta
Associate Professor,
Mechanical Engg. Dept.

“Hearty congratulations to team MIIC for completing two successful terms! The faculty is very fortunate for the presence of such organizations which make sure their students are trained in technical as well as soft skills. Despite of the pandemic situation, team MIIC has done an amazing job by conducting online workshops and talk sessions. Such activities will lead to overall development of the students. Our best wishes to the team for their future endeavors.”

Team **Industrial Synergy
for Electrical & Electronics
Engineers (ISEE)**



INITIATION OF MIIC

(ESTABLISHMENT: JUNE 2019)

"The reasonable one adapts itself to the world. The unreasonable one persists in trying to adapt the world to itself. Therefore all progress depends on the unreasonable." ~ George Bernard Shaw

The Mechanical Engineering Department of Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda was doing one of the best placements in perhaps whole state of the Gujarat but it felt gradual decline since few years. Having one of the best potentials, the students lacked in some corporate necessary skills which need nurturing. Thus, The Mechanical Industrial Interaction Cell (MIIC) was a big step forward in this direction, a very apt initiative with the aim to enhance students' employability potential and bridging the gap between Industries and Academics. Started and Managed by the students of Mechanical Engineering Department (Batch of 2017-21). The journey of formation was quite long, mixed with evolution yet fruitful and satisfying at the end.

Initiated and conceptualized by the Department Representative of Mechanical Engineering (2018-19), Samkit Kothari presented an idea for formulation of a Cell for Training and Internship in November 2018 to the Vice Dean of FTE and Head of Mechanical Engineering Department, Dr. DS Sharma, whose advice ignited him with a broader concept of idea, evolving to Mechanical Internship Cell in January 2019. With the advice of some prominent teachers such as GD Karhadkar Sir and AB Pandey Sir, this initiative got a new direction. Till April 2019, this whole concept was ready to constitute but cooperation and execution was a challenge which can lead to an initiative failure, if not ensured and thus in April 2019, Class Representative Prathmesh Jadhav, joined Samkit Kothari to take this initiative further, as what mattered was the cooperation and support of students of Mechanical Department. With this dual lead, work gone fast track.

The problem which was hindering the progress was itself the idea of Interaction with Industries, if implemented officially, will clash the approaches and thus was a deep concern. In June 2019, this was sorted with mutual agreement with the Training and Placement Officer, Dr. Piyush Gohil Sir who has effectively helped to take this initiative forward and with then Mechanical Training and Placement Coordinators (2019-20) to have a mutual consent while dealing with Industries.

Finally, till the end of June 2019, it was not limited to only an initiative for internship opportunities but the idea has transformed to "The Mechanical Industrial Interaction Cell" which was much more broader in concept as well as scope, which dealt with preparing students of Mechanical Engineering Department for future corporate world and thus has potential to develop industrial leaders in their domains. The idea and concept was finally approved by Dr. DS Sharma, Head of Mechanical Department whose constant support and cooperation was really useful to take students' effort and initiative forward. And thus on 27th July' 19, history was created. For the first time, a cell for complete development of students was unveiled before public.



FORMATION OF FOUNDING TEAM

Observing the criticality and sustainability, selection process for its founding team took place under two stages. First stage was Group Discussion and Second was Personal Interview. For first stage of interview, students were judged on their communication skills and their knowledge presentation by Training and Placement Coordinators. For second stage of interview, i.e. Personal Interview, Students responsibility regarding this organization, innovation possible, executing this further and his/her seriousness regarding this organization was judged by our faculty, Prof. Karhadkar Sir and Dr. Akash Pandey Sir.

Based on the points given and decision taken by the judge in both the stage of interview, the founding team of MIIC was formed. Considering the tasks which were going to be conducted by MIIC, selection of 11 Coordinators was necessary. This Founding Team included Kishan Parmar, Shrey Patel, Bhavik Patel, Ranjana Shrivastava, Meet Patel, Kaushik Goshwami, Aakash Kavaiya, Jay Panchal and Juzar Vohra along with Samkit Kothari and Prathmesh Jadhav. This pillars not only formed sustainable foundation but with their will and commitment they took this idea to a next level.

A heartily gratitude to Head of Department, Dr. DS Sharma Sir, Prof. GD Karhadkar Sir, Dr. AB Pandey Sir, Dr. Piyush Gohil Sir, Dr. AS Mohite Sir, Dr. AR Patel Sir, Dr. Prajapati Sir, Prof. Shital Madam, Prof. Alpa Madam, Dr. JR Mehta Sir, Dr. Leena Mehta Madam at Faculty of Social Works, Kiran Sir at Mechanical HOD Office and all our visionary teachers who have supported this noble initiative. The tagline "Redefining Possibilities" gives each and every individual a confidence to stand for a positive change. We look forward to pass on the baton to the next generation very soon with the same enthusiasm, pledging to take this initiative to new heights.

ABOUT

Mechanical Industrial Interaction Cell is a non-profit student-run facilitation unit that is responsible for organizing various activities and training opportunities for enhancing soft skills and interacting with various Industrial, Technical and Educational organization in Vadodara City and other cities of Gujarat with the aim of ensuring that the students of the Mechanical Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda are given adequate technical exposure.

VISION

To create industry leaders of tomorrow by empowering students through proper training and Career opportunities.

MISSION

To groom students meticulously and empower their employability potential by bridging the gap between industrial and academic learnings through various training and growth opportunities.

SECOND YEAR: AN ONLINE ITINERARY



2020, as we all know was a tough year for everyone around the world. The Covid-19 pandemic in its full-fledged form had taken over entire India and world and we were no different! MIIC was a new cell with just one year of experience.

September 2020 - The founding team had completed their term and all the 9 coordinators named Arjav Desai, Dhaval Vala, Hiren Mistry, Kartik Patel, Nimesh Makwana, Parshwa Kamdar, Rohit Kadachha, Sujith Nair and Zainul Bhaisaheb had just joined MIIC in its initiative to make the students of the Mechanical Department a better version of themselves. The concept of ONLINE EDUCATION was already a confusing and difficult one for students and now to engage them in online activities and other events was a real challenge for us as the concept was foreign to us too. But that's the thing about challenges; you don't overcome them unless you face them!

**"CHALLENGES ARE WHAT MAKE LIFE INTERESTING;
OVERCOMING THEM IS WHAT MAKES LIFE MEANINGFUL."**

- Joshua J. Marine

With the motivation and the guidance of the advisory committee and a strong will power to work for our students, we decided to make the best out of this online scenario. We did our first activity – Group Discussion in which at first the students were hesitant to participate but after a little motivation they decided to take up the challenge with us. From there after a little off-roading, the journey of MIIC went smooth like a glider in an open sky. The challenges kept coming and our team kept facing them head-on. From starting with small sessions to establishing our own MIIC4U mobile application, we never stopped.

In the mist of the COVID-19 pandemic and observing the situation, MIIC hasn't collected any contribution fund from students members.

MIIC has a vision to create the industry leaders of tomorrow and it will keep working on it. We were and will always be excited and motivated to work for the students. MIIC will strive and keep working harder than yesterday to make our students' lives better.

GLIMPSE OF THIS YEAR'S ACTIVITIES

REDEFINING POSSIBILITIES



MECHANICAL INDUSTRIAL INTERACTION CELL

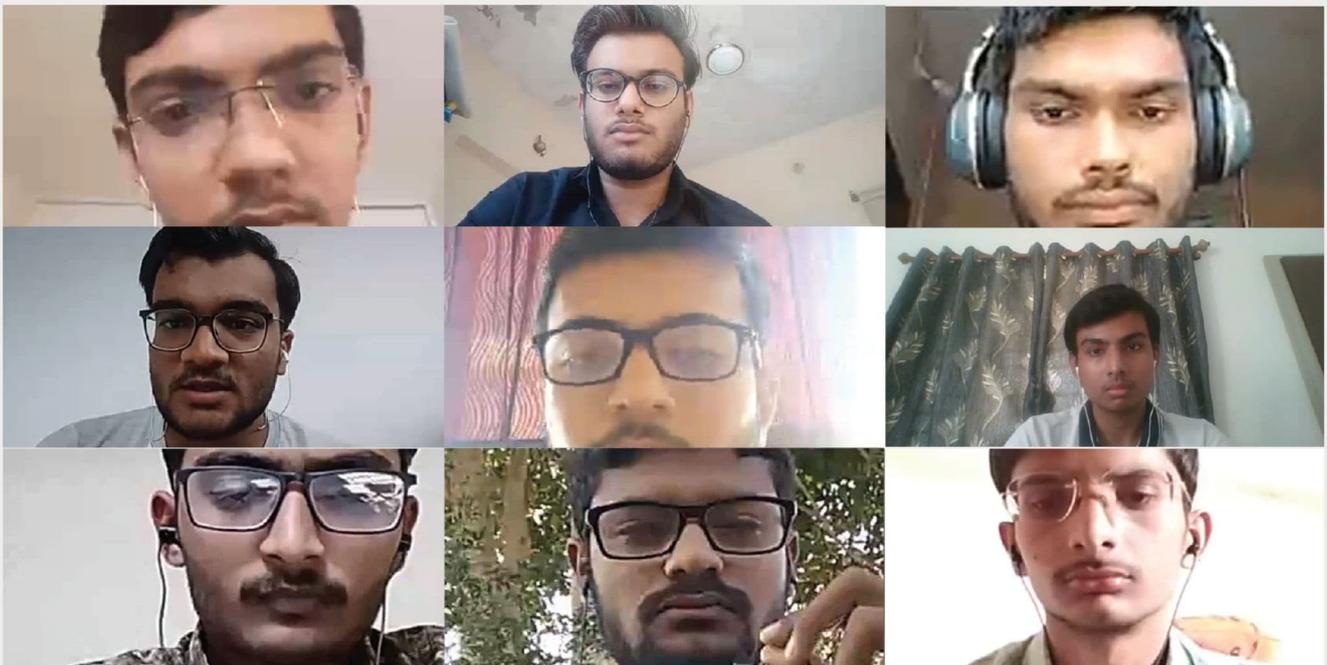
YEAR 2020-2021



SAMVAAD 2.1

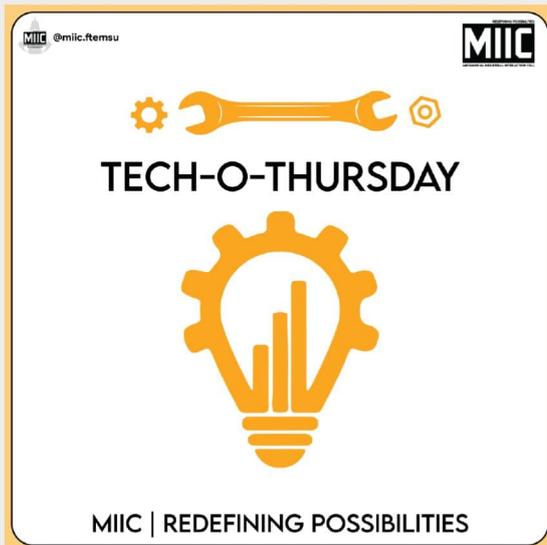
The Covid19 pandemic hit us hard and so the physical meetings were stopped but our aim for placements and other achievements was not altered. For the placements and other selection processes Group Discussion is a very important and crucial part. Virtually meetings are tough and a bit confusing at first. As an initiation of its second year, MIIC organized a virtual Group Discussion SAMVAAD 2.1.

We organized a two day virtual group discussion event. On the first day, our very energetic professor and always an enthusiastic person for guiding the students, Mr. A.B. Pandey gave a brief about Group Discussion and the points that students need to keep in mind while appearing for Group Discussions. From 'how to start thinking on the given topic' to 'how to put points effectively during discussion to conclusion of Group Discussion', he explained it all. How a person can initiate the group discussion if the person has any idea about the topic and if the person doesn't have any idea then what can one do, everything was explained in the most understanding way.



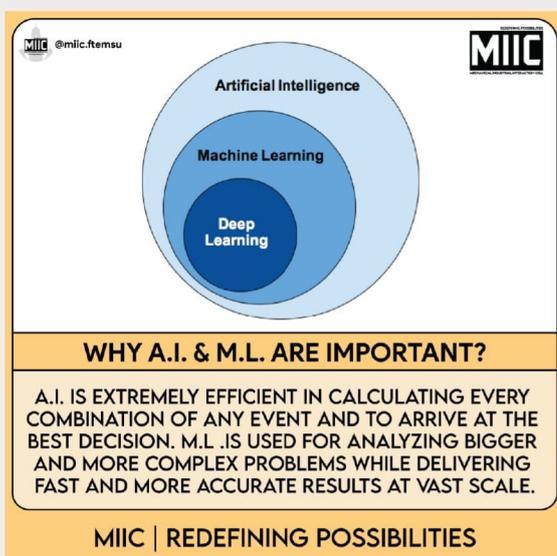
On the second day , we conducted the virtual group discussion. Dr. Amit Patel sir was our guide and judge for the Group Discussion. All the participants performed very well. Also they all followed , past day's guidance of Pandey sir. At the end of every discussion Amit patel sir gave his feedback and appreciated some of the good participants. The participants were given 2 minutes after the topic was given to jot down all the points and then the Discussion ran for 10 minute after which 2 minutes were given for conclusion.

TECH - O - THURSDAY



MIIC has not only a mission to nurture soft skills but also to give technical exposure to students. So, as a part of that we initiated **TECH-O-THURSDAY** and **INSTAGRAM STORY QUIZ**. To keep students engaged and help them develop their technical prowess we posted some interesting technical concepts every Thursday on our social media handles. These consisted of some practical technical knowledge which the students don't get through their college curriculum providing them better engineering insights.

We also arranged a **short quizzes** engaging students and making them spend some time to test their technical, aptitude and English grammar abilities. These were organized on every Tuesdays and Saturdays on our Instagram Page.



Topics we covered were:

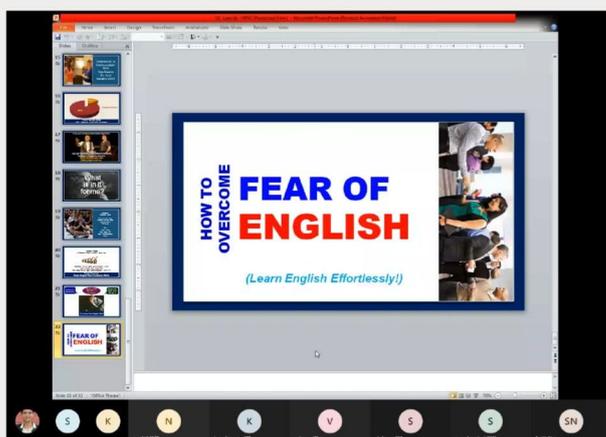
- Gyroscopic effect
- Idea of Electric Vehicles
- Inertia and its importance
- Lift and Drag concepts in Aeroplane
- Artificial Intelligence and Machine Learning

CAMPUS CONNECT

Building a bridge between campus and corporate is one of the main motives of MIIC. For that, we organized a four day workshop - **Campus Connect** in collaboration with the **Institute of Professional Development, Ahmedabad**. During these four days the students learned a lot about necessary interview skills, resume making tips and how to break the barrier of English language. We are very thankful to Mr. Sarwan Singh who with his immense expertise in guiding the students, guided us and gave us necessary tips and tricks to perform well in our future corporate career.

Day 1: How to overcome fear of English?

In this session Mr. Sarwan Singh first of all explained the importance of communication that communication is one of the most important and among the most basic qualities that are there in every successful person. Because if you can't communicate then how will you convince the person sitting in front of you that you are the right person for the job?



The students in college have a major problem at speaking in English when they face any interview. He then explained the students how to improve their communication skills in English through a well prepared presentation. He also gave them a lot of tips like they can try and converse with each other in English, making a habit of reading English newspapers, reading books, practicing speaking English in front of the mirror to gain confidence and many more.

Day 2: Selection is a process of rejection.

To crack an interview or any selection process and get selected in the company of your choice is a different kind of happiness. Every student wants to know the secret so as how to get selected in an interview and how to prepare for an interview. This was beautifully explained on the second day.

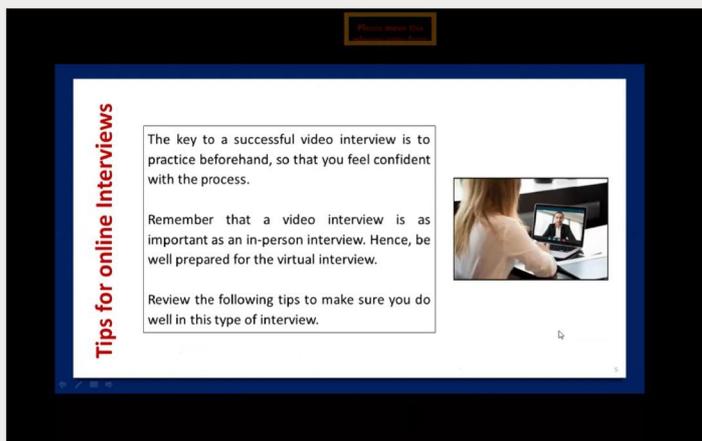
He told that the recruiters think of various reasons through which they can reject the unwanted candidates and how it is the responsibility of a candidate to not give them reasons to reject him/her. He also explained this by the example of when we go out to buy a T-shirt; we reject the many available options and select the one that we are left with after the rejection process. This was something no one had thought. It was like looking at something with a whole different perspective. He then explained them all the different reasons which result in rejection of a candidate in an interview process and also gave them tips about what they should take care while facing an interview or any other selection process.



CAMPUS CONNECT

Day 3: Tips to ace Video Interviews.

Due to the covid19 pandemic everything was shifted to online and everyone had to adapt to these changes. The interviews were also changed from personal interviews to video interviews. Now this was something that the students had no experience and so the third day focussed on preparing ourselves for video interviews.



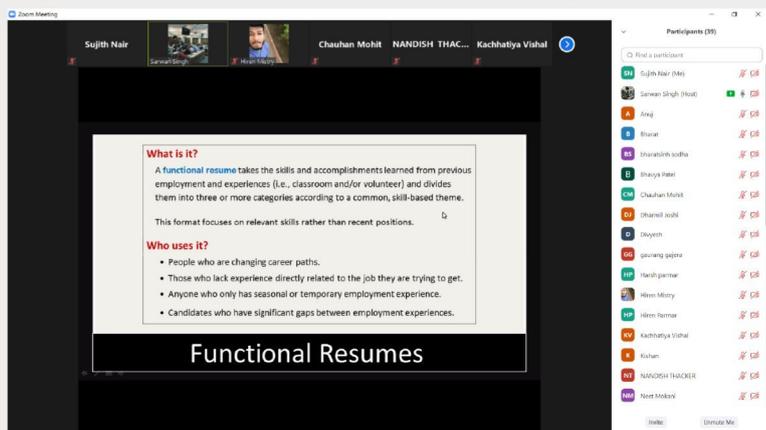
In this session Mr. Sarwan Singh gave the students information on how to prepare for an online interview. He explained them the Dos and Don'ts of the Video Interviews, told them how to dress, how to behave, how to present themselves and gave a variety of tips that were very helpful to the students. He also told them what pre-measures they should take before the interview like checking the system, webcam, microphone, quiet background and explained them thoroughly what should be done.

Day 4: Powerful resume making skills.

Today there is competition everywhere, from the smallest thing like a pen to bigger things like car; we have a variety of options to choose from. We only think of buying the thing if it looks attractive to us at first sight. Similar is the situation for recruiters. They have a lot of students from which they have to select a few so it becomes very important that your first impression is good. The first thing the recruiter looks at is your **RESUME**, so it becomes very important that your resume is well written.

On the fourth day, Mr. Sarwan Singh first briefed the students about what a resume is and who should have it. He then explained with a presentation about various types of resumes and which one should be used when. He then

spoke in detail about what things are must have on a resume, the keywords to be used and in what order they should be arranged. He also told the students about the points they should highlight and the things that they shouldn't mention in a resume. He thoroughly explained every little detail about resume making and even encouraged the students to prepare a resume and ask him about any doubts they had in their mind. He also gave them his contact information for any future guidance and opinions/advice.

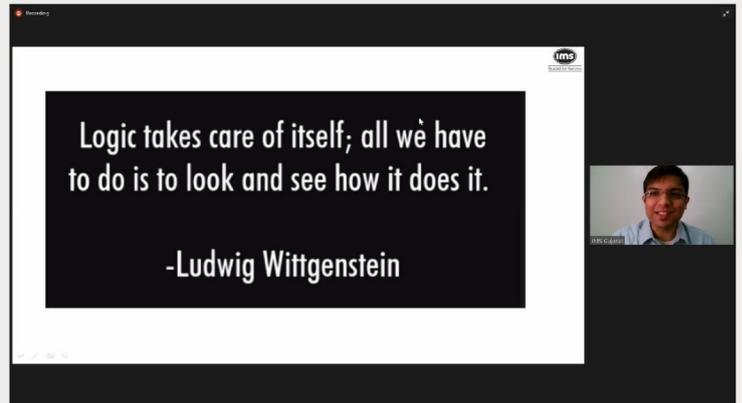




APTITUDE & LOGICAL REASONING WORKSHOP

All the selection processes have a series of tests through which the students have to go in order to get selected. The first process from all of these is the Aptitude test. This test checks the students' basic mathematical skills, reasoning ability, interpretation skills and such basic skills. MIIC organized a two days virtual workshop for **Aptitude and Logical Reasoning** in collaboration with **IMS, Vadodra**.

Tridal Upadhyay Sir an expert when it comes to pedagogy and an excellent tutor took some time for the students and explaining us the funda and the essence of problem solving through this workshop.



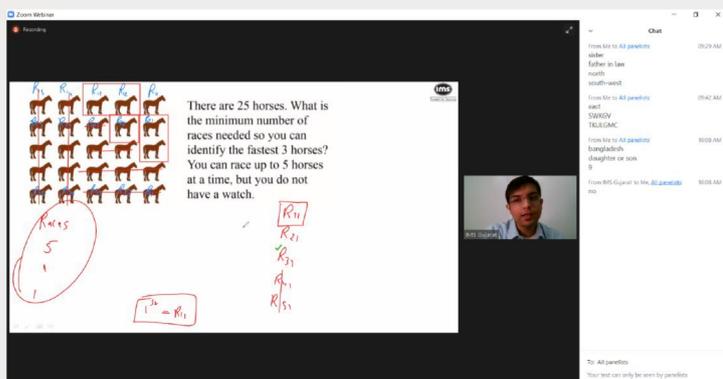
On the first day, Tridal sir started the session with telling a bit about aptitude and explaining about what is usually asked in these kinds of exams. He then started teaching small small tricks about how to do quick math. He then gave students a problem and asked them to solve it; after a few minutes he'd explain the solution and gave similar problems for solving. This method was quite good as it made the students work and also simultaneously taught them about how to solve the problem. The students seemed to enjoy a lot as he was very friendly. It was a successful session and the students learned a lot.

On the second day we had the session on Logical reasoning. Logical reasoning being a very vast subject can

be very difficult and time consuming for the students while attempting its questions. Its just a click which will take you to the solution, and the main thing that students have to keep in mind while solving reasoning questions is the read and understand the question carefully. Once you get the flow and relation in the question then what is left is just a piece of cake. From alphanumeric series, coding decoding problems to blood reations and reasoning problems, Tridal covered all the topics explaining the students the true essence of solving reasoning

problems. In this session also Tridal sir presented variety of questions and problems to the students and asking them to solve and them explaining the solutions of the problems.

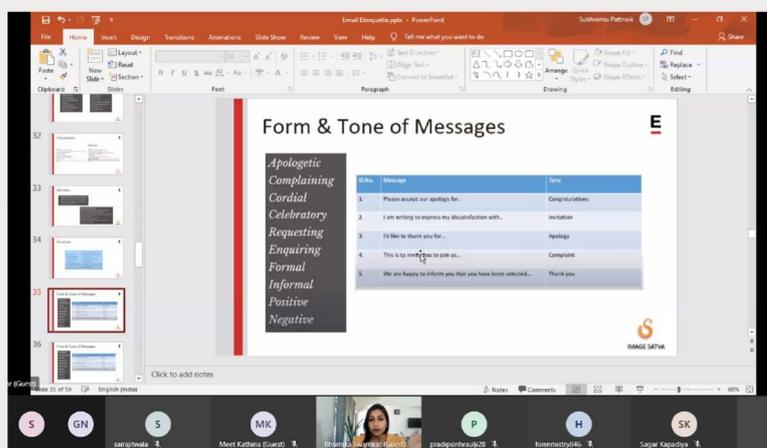
At the end IMS also arranged an Aptitude and Logical Reasoning test, so that students can test and apply the tricks that were taught in the sessions and get an understanding of the type of question that are generally asked. Thus students got to know the areas they will have to focus while appearing for any aptitude test in future.



E-MAIL ETIQUETTES & LINKEDIN PROFILE BUILDING

An important tool for communication in the corporate world is **E-mail**. And to craft a good Email, there is a need for ideas about how to choose the subject, greetings, Email body and the salutations.

To learn all the above things, MIIC organized a session named **E-Mail Etiquettes** for all the students, in collaboration with **Orena solutions, Vadodara**. We had Bhumika Swarnkar Ma'am to guide us through the process of E-mail writing.

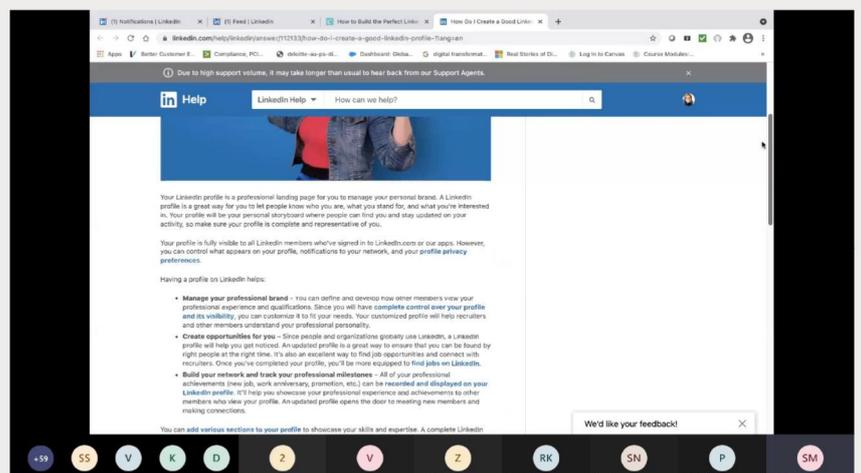


During the session Ma'am gave us lots of examples of different types of emails and also told us about the common mistakes which generally happen in the starting phase of E-mail Writing. Starting from explaining about the way of presentation, Bhumika Ma'am said that a good presentation and good E-mail drafting can help the students by creating a connection with the other person. Throughout the session, Bhumika Ma'am presented various question which not only helped the session to be interactive but also helped to understand the

format and some general unwritten rules that are to be kept in mind while drafting an E-mail. Ma'am even conducted a small quiz by dividing the audience into two teams and firing out various questions, and thus making the session even more interesting. At the end Ma'am cleared different doubts that had students asked.

Along with the session on E-mail writing, MIIC also organized a session on **LinkedIn profile building** in collaboration with **Orena solutions, Vadodara**.

LinkedIn is one of the best platform for corporate networking. You can connect with more and more professionals and gain and share knowledge with them. For that we require a good profile and MIIC felt strong need for guiding the students for bulidign a robust LinkedIn profile for their better corporate future. The session on **LinkedIn profile building** session was conducted by Sowmya Moni Ma'am. Ma'am gave the exposure of how we can build strong and attractive LinkedIn profile and use it for professional growth. Variety of profiles were shown as an example so that students can get a better idea. Ma'am also explained various benefits and perks by joining the platform.



Thus these sessions help students to inculcate skills that will be necessary throughout their corporate career.

TECHNICAL SESSION

We always try to provide a blend of soft skills and technical skills. Students have learned a lot about valves from books but what experience can teach them is unparalleled. So, MIIC organized a webinar session on VALVES AND VALVE AUTOMATION. This session was conducted by **Mr. Dhruv Bhatt, Regional Sales Manager at JC Valvulas India Pvt. Ltd.**

Mr. Dhruv Bhatt started with What is a valve? He explained about various types of valves and also about its application. The discussion slowly went towards the high level automation of valves. Nowadays, the world has become automatic day by day then how valves can remain behind. To control flow with high accuracy and save human effort that's when the automation of valves comes into picture.

Mr. Dhruv with his immense experience in this field explained all the points in detail. He explained about the basic components that

are used in an industrial valve and the importance of the specific components. He shared pictures and videos of their company and gave us a good idea about valves. As the students were studying some of the topics in their academics as well so they could relate all the concepts in a better way. The students can understand the true industrial application of the concepts of the were learning. Alongwith these, some new topics were also dicussed by Mr. Dhruv Bhatt, like valve standards and specifications used in

industries and various testing parameters. With the industrial application as the big picture the complete was arranged and Mr. Dhruv Bhatt made it more interesting and insightful for the students.

Mr. Dhruv also shared the power point file to the students so that they can refer it in the future.

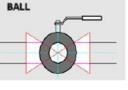
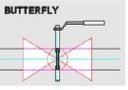
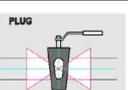
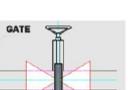
Operator

24" Gate Valve+Elec Actuator



Gate & Globe valve needs special valve with Top flange – To be produced separately

Applications of valves

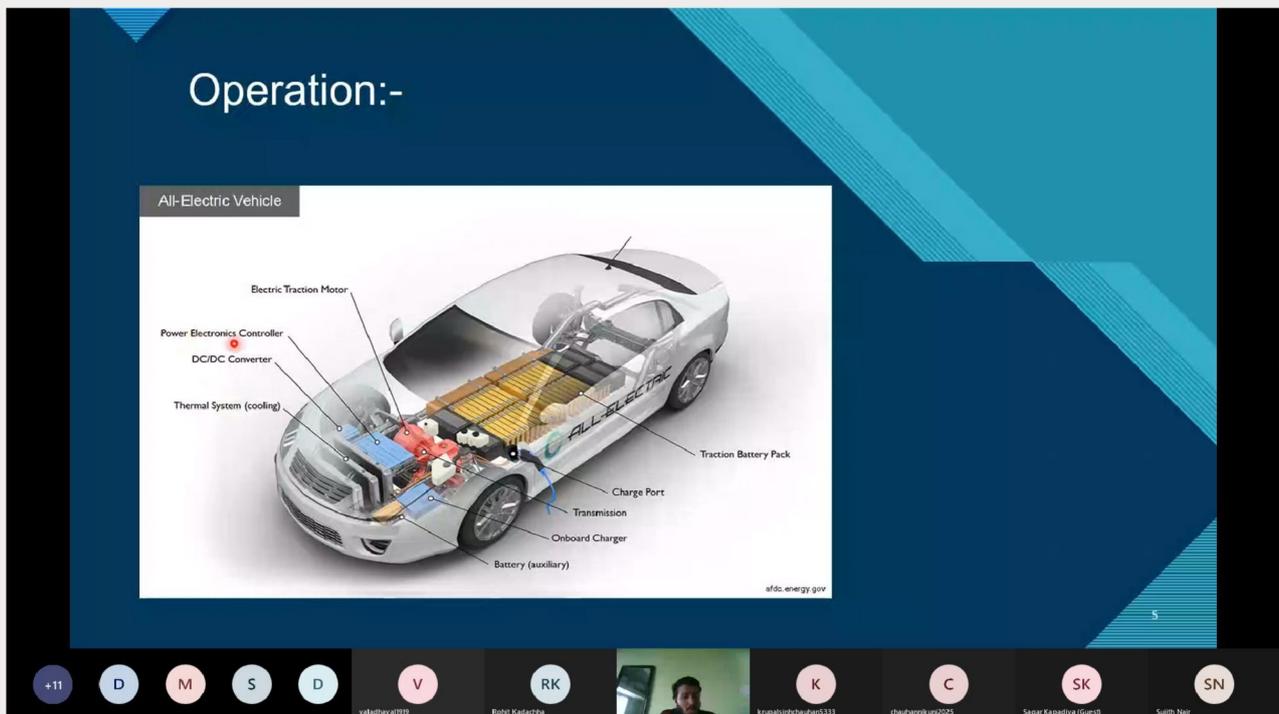
TYPE	APPLICATIONS	+PLUS / - MINUS
 <p>BALL</p>	Oil & Water pipelines Product Pipelines	<ul style="list-style-type: none"> + Slow opening/closing. + Minimizes liquid Surge/hammer. - Higher weight - Bulky
 <p>BUTTERFLY</p>	Water pipelines Product pipelines	<ul style="list-style-type: none"> + Quick opening/closing + Regulating characteristic + Compact design - Pressure drop, Pr. / Temp. limitations - Reduced sealing capability
 <p>PLUG</p>	Gas distribution Product pipelines	<ul style="list-style-type: none"> + Quick opening/closing + Straight through flow - High operating torque - Temperature & Size limitations
 <p>GATE</p>	Oil & Gas, water pipelines, Product pipelines Gas distribution	<ul style="list-style-type: none"> + Straight through flow + Full Round bore - Piggable + Quick opening/closing. + Easy operation - Temp. limitation on soft seated valves



SPEAK ON SESSION

We as humans everytime want to share things which we love, about subjects which we like and other favorite topics that we love. Also, if this conversation can become helpful for learning some communication skills then why would MIIC wait to do so!

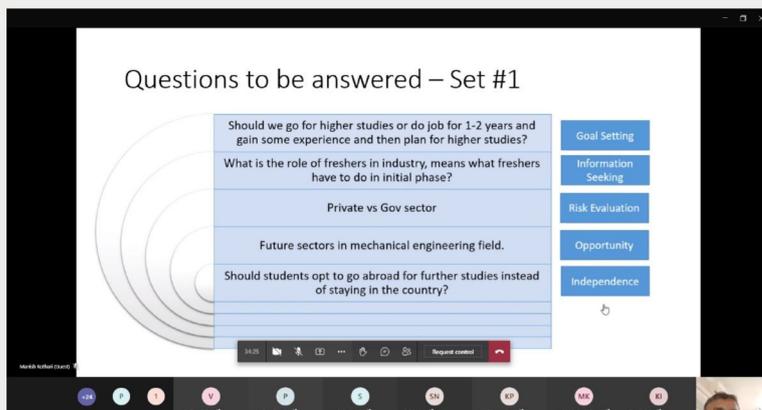
So MIIC organized an online SPEAK ON SESSION. In this students shared their knowledge from their favourite technical subject to the most interesting current events. In this session Participants had to talk for 15 minutes and then we opened the room for some Q&A. In the first part of this session there were four students that spoke- Nikunj Chauhan on YOGA , Sagar Kapadia on DRAWING - AN ANCIENT LANGUAGE , Mahendra Ghanchi on IMPORTANCE OF PUBLIC SPEAKING and Hiren Mistry on ELECTRIC VEHICLES.



Due to the overwhelming response from students and willingness of students to come forward to speak, MIIC did another SPEAK ON SESSION. On day two also four participants were in the spotlight - Bharat Sonagra on BIO ETHANOL FUEL , Sujith Nair on IKEA EFFECT , Pratik Parmar on DIGITAL EVOLUTION and Krupalsinh Chauhan on LIFE IS AN ADVENTURE.

EXPERT TALK

If we want success then we must learn from our failures, because what experience teaches us is incomparable to any teaching. So, to grab some knowledge from an experienced person is always a great opportunity for everyone. MIIC reached an alumni of our Mechanical department through LinkedIn and that connection led MIIC to organize an expert session with him.



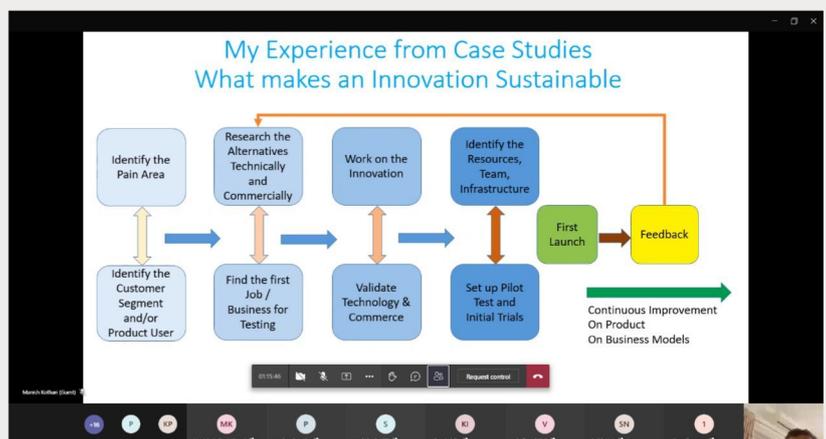
Mr. Manish Kothari, Managing Director of Rhino Machines Pvt. Ltd., alumni of Mechanical Engineering Department of Techo, with his immense expertise in the field of casting and foundry industry, spared some time to spend with students to guide them.

Before the session Manish Sir asked us to collect the question that are most relevant to the students at this stage so that the session

can be student centric, focussing there current state of mind and concerns. The questions were related to different sectors like **higher studies, responsibilities as an engineer, education in a foreign country, current scenario in mechanical engineering, etc**

During the session Manish Sir had discussed all the points that were raised and asked to him. Answering to the questions Manish Sir explained various insightful points like the first thing one should be kept in mind is to be clear and plan how you want to move ahead in your career. The intention and goal should be made clear. Students are generally not aware of the actual opportunities available to them in the industry and so they don't look for the right opportunity at the right place and at the right time.

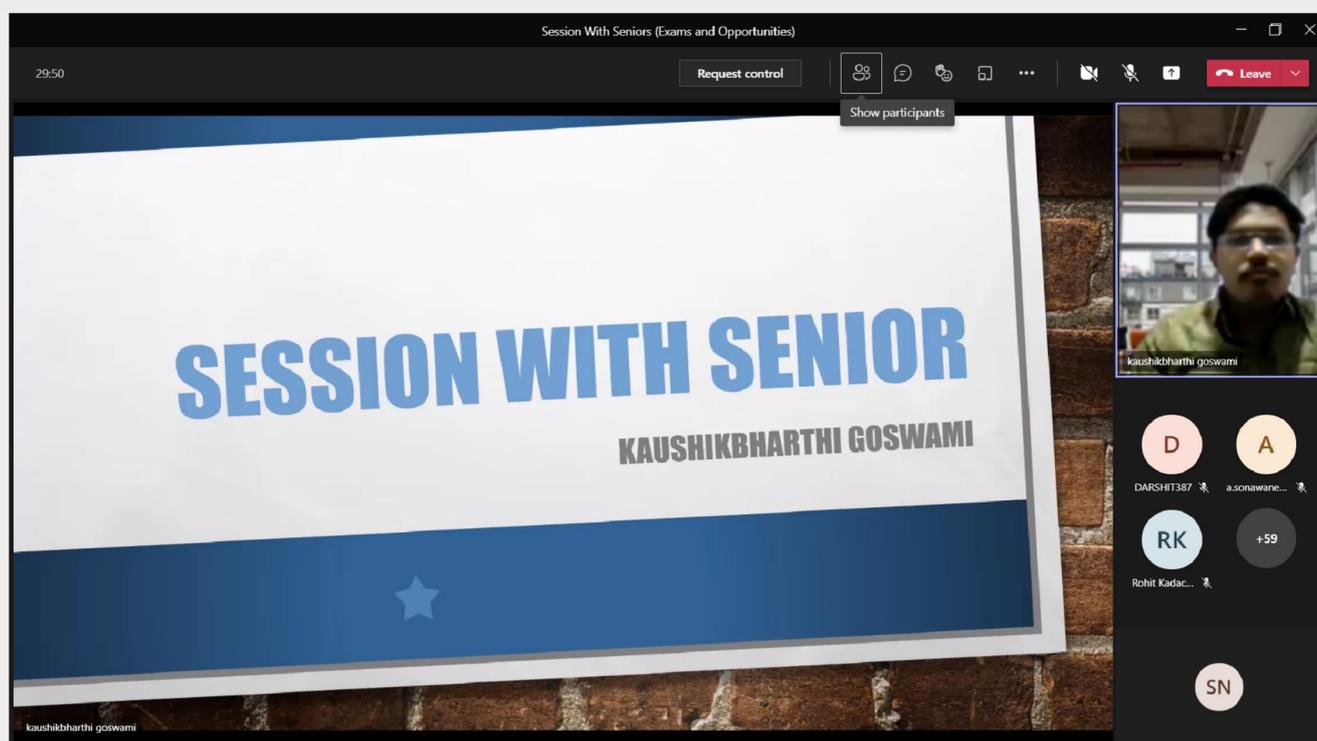
Manish Sir also mentioned that students should indulge themselves in vocational training and internships from the beginning of their engineering career. This can help the students to take interest in the field or course they opt for in future and will help them understand the theoretical concepts in a better way. Engaging with industry and looking for opportunities that can help the students to get connected to the industry are the things an engineering student should focus on which help them in long run in their career.



At the end of the session Manish Sir also answered the question that popped in the minds of students during the session. It was very interactive and insightful session and later on Manish Sir also extended his support by allowing students to undertake internship at his industry and help the students gain some industrial exposure.

SESSION WITH SENIORS

When we imitate a fictional hero from a movie, it is only fun and that too only for a little while. But if we imitate people who really are successful then we get one step closer to success. MSU year by year has created personalities in the campus who became successful in the future, but most students don't know about them and left the campus without taking guidance from them. MIIC did not want to let Seniors leave without giving the precious advice and sharing their experiences. So, MIIC organized a **Session With Seniors**. In this, a couple of webinars were done for Placement interviews, for Project work, for Preparation of competitive exams etc.



The first webinar was based on **Final year project**. Three teams were invited and the spent some time with the students guiding them and answering some common questions like **How to make a Team? How to develop idea for the project? What softwares are required for analysis? In the online mode, how can the project activities be conducted successful? How project affects placements?** and many more. Seniors answered all the questions and made things clear for students.

In the second session of the Session with Seniors, seniors gave the guidelines regarding **how to prepare for competitive exams**. In the starting they gave guidance how to set our goals and decide our path to achieve our goal. They also have given some tricks to be consistent and also how to handle pressure of those competitive exams.

In the third part of Session with Seniors, so many seniors have shared their experiences of their **placement rounds**. Starting with aptitude round to how it end with personal interview they shared their experiences and their mistakes too so that we can learn from their mistakes and try to avoid it in the future placement rounds.



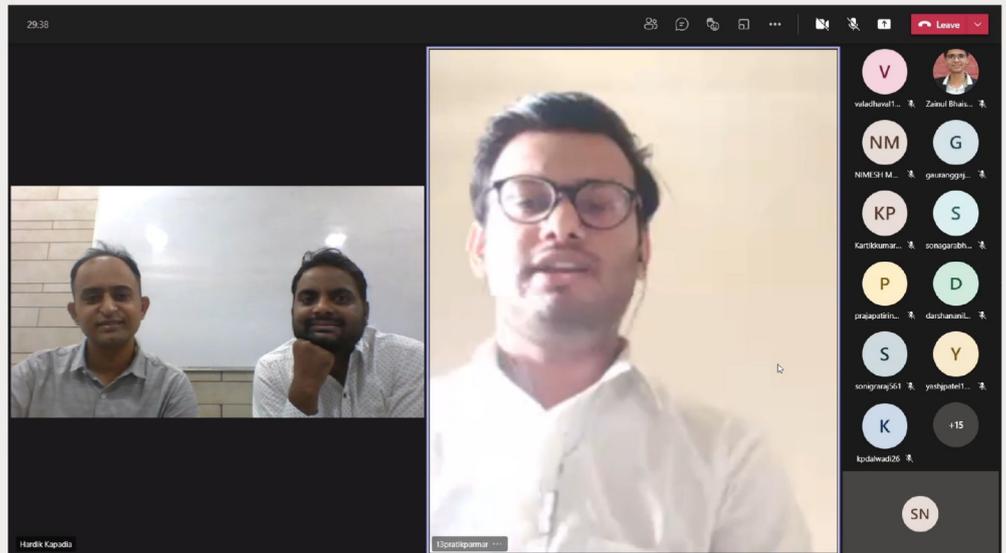
MOCK PI

During this year of MIIC's tenure, we have organized various activities which are the part of recruitment process, so that students of the Mechanical Department can come to know regarding their fears and experience the real conditions of the process. From mock GD to mock aptitude test MIIC had done it all. Now, it was time for the Mock Personal Interview. So, MIIC had organized Mock PI in collaboration with **The Gate Academy**.

This Mock PI activity happened in two days. Mr. Hardik Kapadia & Mr. Alok Shankar measured all the parameters which will be measured by HR's team of any company during the recruitment process.

During all Mock interviews both the interviewer generated the feel of a real interview. They asked questions related to their skills, strengths and achievement with technical questions from the favourite subject of the candidates.

After every student interview both the interviewers gave promising feedback about the candidates. They suggested various areas where improvements are required and also suggested



some techniques for the same. They praised the candidates for their efforts and motivated themselves to make things better. More than 40 students took the benefit of Mock PI and learnt how to answer questions of an interviewer in a proper technical way.

After this event Students with good performance ensured their reliability others got a lot of advice and motivation from the interviewer.



All students were good and enthusiastic.

Listening ability was upto the mark which is an essential element for any interview.

They all were good at technical but communication skills & presentability was lacking and that's the reason they won't be able to perform well in actual interviews. Resumes were good, some students need to work on their resumes that we have guided them in interviews only.

Rest everything was fine.

- The Gate Academy

MIIC4U APPLICATION

Today in the world, to stay connected to people is very important. In this era of internet, technology has advanced so much that everything is available at the tip of the fingers. The advisory team of MIIC had always a vision of connecting to maximum number of people possible and on a personal level. What better way to reach out to people than through their smart-phones? So to go with the flow and to stay connected to students, MIIC launched its android application this year, by the name MIIC4U. The application has a user friendly UI with a simple yet aesthetic design. The app has four major benefits that have four different purposes:

1. Personal assessment- Dashboard

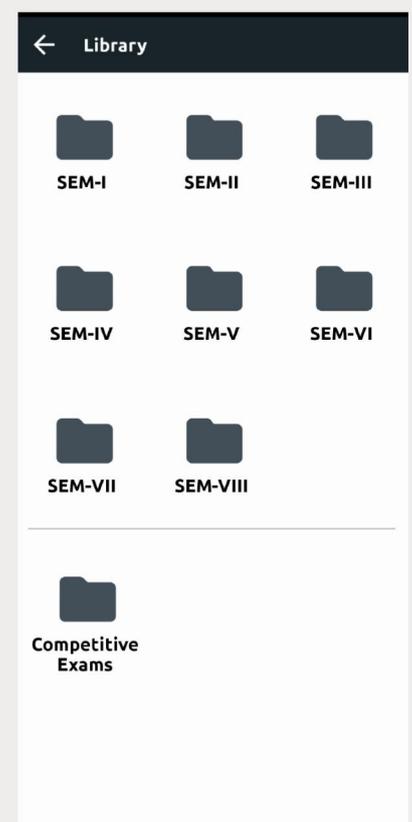
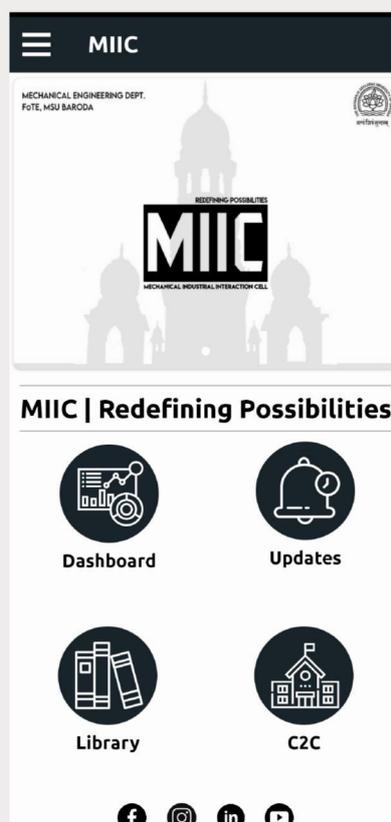
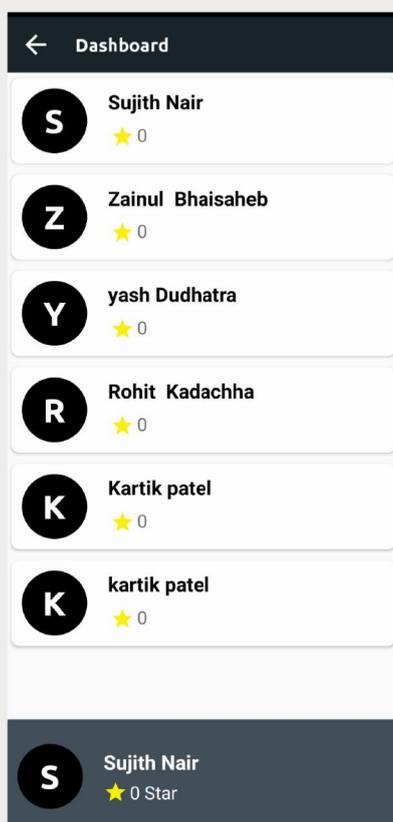
The application keeps a track of the student's progress individually which helps them to achieve their personal set goals. This is a place where students can compete with each other in a healthy way by comparing their work and seeing their score on dashboard.

As the student participates in the activity which organisation by miic, the student gets feedback on the performance of the activity and his points in this feature through his relationship co-ordinator. And by feedback they can improve themselves in a better way.

2. E-LIBRARY

The founding team always had a vision of setting up a personal library for mechanical department students where they could easily have access to class-notes, books and all the materials necessary for studying. But due to the COVID-19 pandemic it was impossible to set up a physical library for students living in different cities. The solution to this problem was E-Library, which fulfilled the norms of SOCIAL DISTANCING and is easily accessible to everyone.

Eliminate Deterioration of Resources- the digital resources accessible to a large number of readers regularly without focusing on the preservation of physical materials.



MIIC4U APPLICATION

the materials necessary for studying. But due to the COVID-19 pandemic it was impossible to set up a physical library for students living in different cities. The solution to this problem was E-Library, which fulfilled the norms of SOCIAL DISTANCING and is easily accessible to everyone. Eliminate Deterioration of Resources- the digital resources accessible to a large number of readers regularly without focusing on the preservation of physical materials.

3. CAMPUS CONNECT

For students to become successful along with studies, it is very important to know what is going on around the world. To fulfil this requirement, the application has a section of campus connect which has access to articles, news, stories, and other important tech-related things. This makes it easier for students to stay connected to the world and know what outside world is like.

Campus Connect- is one type of platform for publishing article on various write up by our student. By this feature we are a connecting old campus.



← Updates

There are plenty of resources which can help us learn and grow and develop, but it is just to what extent and how one utilizes it, makes the difference! The application MIIC4U, with its distinctive features like Campus Connect, Digital Library, Performance Analysis and many more will help you to get the hang of academic and corporate attitudes! This video acknowledges the features of the application and will guide you to make best use of these resources!

<https://youtu.be/3LMwxURtMis>

Update your app now
<https://play.google.com/store/apps/details?id=com.yash1213.miic>

#ConnectingTheUnconnected

4. UPDATES

This is the best benefit of achieving perfect notification of internships, volunteering recruitment, any techfest and various events around us if student are interested so they can easily participate.

Besides this, the application also has a section where the user can see his profile, contact any of member of the team MIIC, give feedbacks about the application or tell something.

This would have been impossible without our two extremely smart and hard-working developers YashDudhatra and Yash Parekh. Also, not to forget our coordinator, Kartik Patel whose immense efforts are unforgettable in designing and coordinating with the developers and Team MIIC



← Campus Connect

NATIONAL DIGITAL LIBRARY
Govt of India has created National Digital Library for students for all subjects.
[Read More](#)

SUMMER 2021 ABHYAZ INTERNSHIPS
Hello,
MTAB Technology Center offers the
[Read More](#)

HYBRID BIKE BY TECHOITES
અમારી ટીમ નું નામ કલા-ટેક છે જેમાં પાંચ મેમ્બર્સ છે -પરિન શાહ, પ્રથમેશ જાધવ, ભાવિક પટેલ, મીત
[Read More](#)

INITIATION OF MIIC
Initiated by the Department Representative of Mechanical
[Read More](#)

22 college tips every student should know
<https://www.brainscape.com/academy/college-tips-for-every-student/>
[Read More](#)

7 Ways College Students Can Benefit from LinkedIn

MECHANICAL INDUSTRIAL INTERACTION CELL
Presents its Application

MIIC4U



INTERNSHIP PROGRAM

Engineering is one of the most important fields which has contributed a lot for the advancement of human society. Knowing the rules of a game and playing it by the rules are two very different things, you may know all the rules and you might still not be able to play the game. Same is the case with science and engineering, you can know all of the concepts there are in science but without their application (engineering) the knowledge of science will be useless.

So engineering is all about practical applications of science. Now to be expert at something one needs a lot of practice and preparation. To be successful as an engineer, practical knowledge is important and this practical knowledge and real life knowledge can be obtained through INTERNSHIPS.

In an internship we get to apply our knowledge practically and learn about how a professional works. It is like a pre-board exam before the main Board exams. The more internships a student does, the better he becomes in his own field, so it is very important as an engineering student to do internships and gain experience for a successful future.

2020-21 have been very tough years for everybody around the world. Every industry and sector has been badly affected by the pandemic. So during this tough time, to find internships was a difficult task.

But nothing could set us back! With a strong determination, a hard-working team and a wonderful support from the students and the faculties we got some wonderful internship opportunities for the students of our Mechanical Engineering Department.

With the majority of companies including MSMEs and MNCs are part of GIDC (Gujarat Industrial Development Corporation), Team MIIC have tried to get associate with Mechanical firms as well as VCCI (Vadodara Chambers of Commerce and Industries). With the immense support of our industry experienced faculties, MIIC have tried to create a network which can be a link for the curious students and the industries.

We have associated with 12 companies including Rhino Machines Pvt.Ltd, Cummins India Ltd, A one enterprise, Elcen Machines, ABB, LTTs, Auto Industries, Paras Engineering, Specialized Components Pvt Ltd., Cosmos, Shanghavi Forging Pvt Ltd, General Electric, KYB conmat, Associate Engineers and many more for providing internship opportunities to around 40+ students in the different geography including Vadodara, Rajkot, Jamnagar, Ahmadabad, Anand.

Although it was unable to accomplish the allocated internships due to the pandemic's second wave around, we see this as an opportunity for our coming generations to leverage the network formed and are thankful to all associated industries and students for their support.

MIIC'S INITIATIVES

TECHNICAL CLUB

Practical knowledge is as much important as theoretical in engineering because without applying their knowledge in real life no one can solve the real world problems. To give students an opportunity to utilize their technical knowledge and make something useful out of it, MIIC will initiate a Technical Club in its upcoming chapters. This Club will have brainstorming sessions, technical workshops, team projects, discussions about technical breakthroughs and many other things which will help students become best in their fields.

MIIC'S WEBSITE

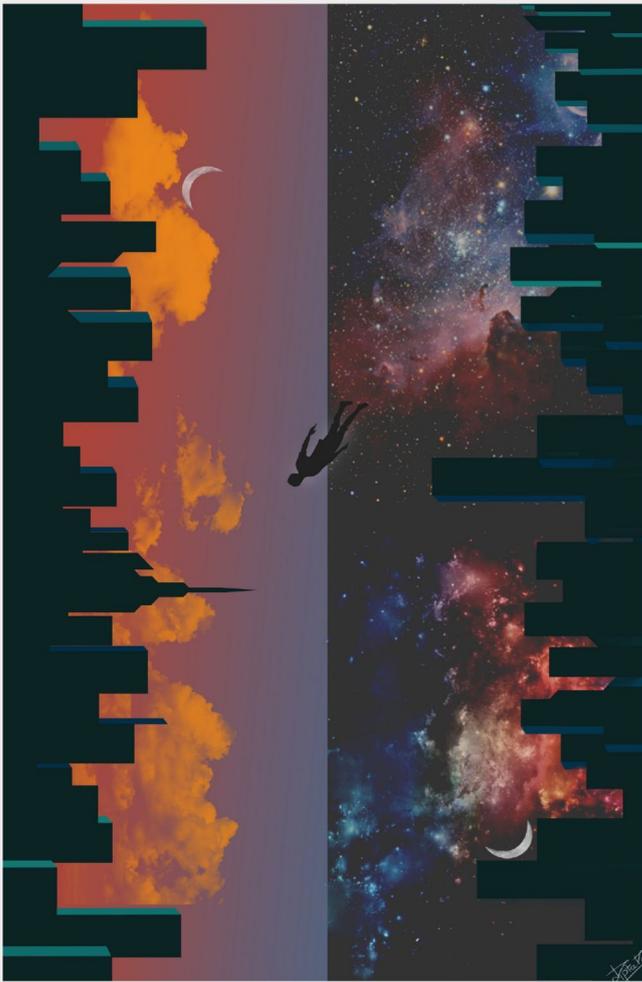
In today's time we have access to almost everything online, be it shopping or be it ordering food, everything can be done with a few touches. So MIIC is also looking forward to have its own website in future where there will be easy access to all our activities, events, sessions, etc. It will be a user friendly platform where students can interact with Team MIIC and amongst themselves. It will also provide information and news about the ongoing technical developments and projects.

कल्ल CORNER

A place to let your creative thoughts fly high in the sky!

MULTIVERSE ANALOGY 101

"Sir can you speak up, I cant hear with all these meteoroid collisions" said my college partner, breaking my sleep. WAIT WHAT METEOROID! I looked outside the window and saw what the movies portrayed as space. " Dude don't shout everyone is looking at you." I turned and saw all my classmates giggling at me. "Bro, is this reality or....". He interrupted me with "shhh sir just started about Earth-20K2". "EARTH-20K WHAT! There are two earths? Which earth is this? Which earth are we....." Fiercely he interrupted " DO YOU WANT ME TO USE A VACCUM TAPE ON YOUR FACE?" My questions knew no bound but I kept mum. I heard the sir speak "..... this way between CAA/NRC protests in India and WW3 conditions between USA and Iran, everyone knew this in the back of their



mind that the Earth-20K2 was about to end." My brain sliced in thousand pieces. EARTH-20K2 WAS MY EARTH. I wanted to clear my 'two earths' concept first before all these additional confusion. I snatched a book which had scribbles of solved Sudoku problems on its cover page but was titled 'Multiverse Analogy 101'. Hustling through the pages I found a paragraph at page 202 that said "The multiverse is a group of multiple universes. Together, these universes comprise everything that exists: the entirety of space, time, matter, energy, information, and the physical laws and constants that describe them. The different universes within the multiverse are called 'parallel universes', or 'alternate universes' ". Mind made its own train of thoughts while ears heard ".....as soon as our Earth came to know that in Earth-20K2, USA's president was about to use their nuclear briefcase, we send in our space troopers to rescue as many humans as possible." Among all other things that fell hypothetically, the book in my hand dropped physically. I focused again on the lecturer who said "..... but the nano-fuel our Earth had was still a vision for their Earth. So we had to make a stop at

Earth-40K6 which caused a little delay due to which we reached our destination after the launching of codes. That's why dropping to USA was impossible. We went for Asia and rescued as many humans as we could. We barely managed to get back as we saw the crumbling of Earth-20K2 behind us. Also Hezal wake up, wake up, WAKE UP!" I opened my eyes and say all my classmates giggling at me. I looked outside and saw people playing cricket at Main Ground while civil students continued their surveying and leveling. Ergo everything was normal! "Hezal, that's the last time I am not expelling you from my class even though you were sleeping!" My partner said "Dude pass me my book, its on the floor below you." I picked up a book scribbled with solved sudoku problems on its cover page. I hustled through the pages in uttermost shock! I opened page 202 and found a scribbled handwriting identical to mine.

**Written By: Shashant Asnani,
IIIrd year Mech. Engg., MSU**



DREAMS

A fantasy to rich , a living for poor!
Some address me their goal while the rest a messy joke!!
But deep within all admirers me,
However threatening or joyous I be!
A fancy child saw a pilot, doctor, iron man in me ,
A comprehensive youth saw an actor, a glamour, a popularity in me,
A family man saw money, happiness and pride in me,
An old guy saw him playing with his niece/nephew in me,
But is it only all this they see??
Oh! They are in their sleep mode when I am seen!
But today are there any peaceful sleeps??
The constant greed of capital ruins my taste!!
The rapid increase of negativity storms my calmness!!
The ruthless egoism destroys my fancies!!!
Hey, World can I get myself back!!
Can I be what I used to be back!
All those flowers, cherries, sunshine, serenity that used to glow me!!
All I want is to be like old back!

**Written By: Vatsal Patel,
IIIrd year Mech. Engg., MSU**

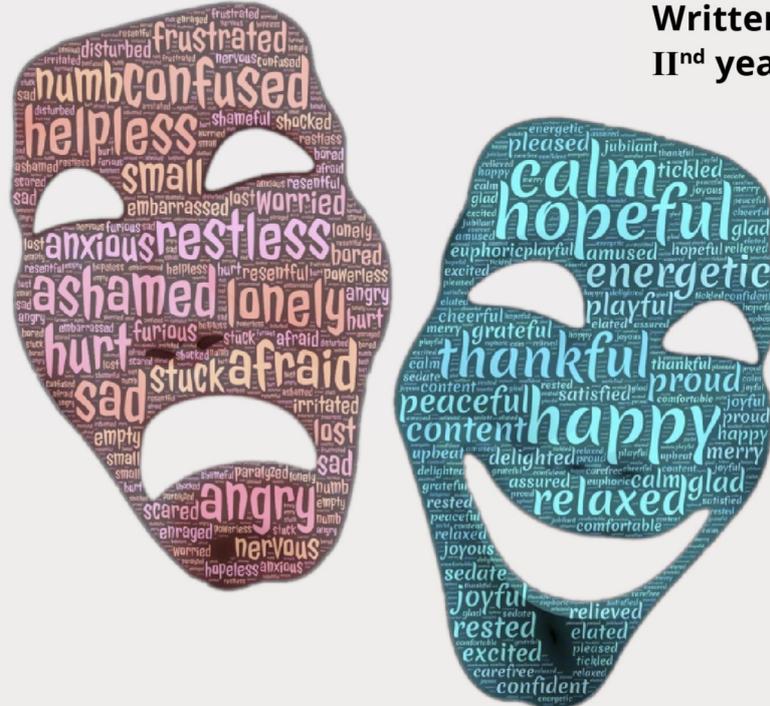
POEM

1) કલ યુગ કા કાલ હૈ,
ઔર જીવન વિરાન હૈ |
દબી હુઈ માનવતા હૈ,
પર તુજે કિસકા અભિમાન હૈ?
બદલી હૈ દુનિયા
ઇસકા ક્યાં ઈમાન હૈ
યહાં ભેડિયો ને પેહની ઈન્સાનો કી ખાલ હૈ
લેકિન આજ ભી બચાતી મુજે મમતા કી ઢાલ હૈ
મેરી માં મેરી જાન હૈ.

2) યહા હર કોઈ દુ:ખી હૈ
પૈસો કે પિછે બવાલ હૈ
કહાં ગઇ ખુશિયા સારી બસ એક હી સવાલ હૈ
જીવન બદલા હૈ ઇસ પર કિસકા પ્રભાવ હૈ ?
જીવન વહી હૈ મિત્ર , બસ જીવનમે અછે પુસ્તક કા અભાવ હૈ.

3) ઘન, સુવર્ણ, સંપત્તિ ઔર વૈભવ વિલાસ હૈ
ઇતના સબ કુછ હોતે ભી યે મન ક્યું નિરાશ હૈ?
હર ઐશઆરામ પાસ હૈ, જીવન ફિર ભી નીરસ જામ હૈ
બંધુ ખુશિયા દોલત કી નહિ, સ્નેહ કી ગુલામ હૈ.

Written By: Sagar Vadhel,
IInd year Mech. Engg., MSU



THINK POSITIVE!

વિચારો

વિચાર

મનુષ્યને કંઈ પણ કરવાની,

ક્યાંય પણ જવાની કે કંઈ પણ અનુભવ કરવાની

શક્તિ આપે છે. મનુષ્ય પોતાના વિચારોથી કંઈ પણ સંભવ કરી શકે છે.

હાલમાં આપણે એક સ્ટુડન્ટ તરીકે આ વિચાર જ આપણું મોટું હથિયાર છે. આપણા વિચારો જ આપણું ભવિષ્ય નક્કી કરશે, એટલે અત્યારથી જ આપણે આપણા વિચારોને મક્કમ બનાવીને ભવિષ્યને ઉજ્જવળ બનાવવાનું છે. આપણે આપણા વિચારો હંમેશા પોઝિટિવ રાખવા જોઈએ જેથી આપણે પોતાના ઉપર ભરોસો આવે અને આપણું કામ વ્યવસ્થિત થાય, જેમ કે આપણે કોઈ પરીક્ષાની તૈયારી કરીએ ત્યારે આપણે મક્કમ રહેવાનું છે અને પરીણામ ની ચિંતા નથી કરવાની, પરીણામ જે કંઈ પણ આવે પણ તમારી તૈયારી કરવાની મક્કમતા હોવી જોઈએ. હંમેશા વિચારો પોઝિટિવ, સ્વ-પ્રેરીત અને સમાજને ફાયદાકારક હોવા જોઈએ.

Written By: Samir Chavda,
Mechanical Engineer

CHANGE



Will the change,
You will never be the same

Deep down you have,
What you really save

Understand your crave,
Why does that you really have

Change the way you think,
It all starts just in a blink

Grow yourself,
Cause nobody else gonna do that

Believe yourself, do what you want to,
Nature is always with you just you have to

Nature always loves you, just believe,
Tell me which of your pain never got healed

Accept your pain, it's gonna heal,
But first you have to believe

Will the change,
You will never be the same



Written By: Kaushal Dalwadi,
IVth year Mech. Engg., MSU

ऐ दिल

ना जाने क्यों अजीब सी बेचैनी छाई है,
ना जाने क्या चाहता है ऐ दिल तू,
कभी ख्वाबों को पूरा करने की हसरत से दौड़ पड़ता है,
तो कभी ख्वाबों को पूरा ना होते देख रो पड़ता है,
शायद इन्हीं अधूरी ख्वाइशों से जीवन के कुछ अधूरे पल जीना चाहता है
तू।

कभी आँखों को यूँ ऐसे झाँकने देता है जैसे ख्वाइशों और यादों का
समंदर इन्हीं आँखों से बाहर लाना चाहता है,
और फिर अचानक से ऐसा झोंका आता है जो इन्हें उडा ले जाता है,
ना जाने क्या चाहता है ऐ दिल तू।

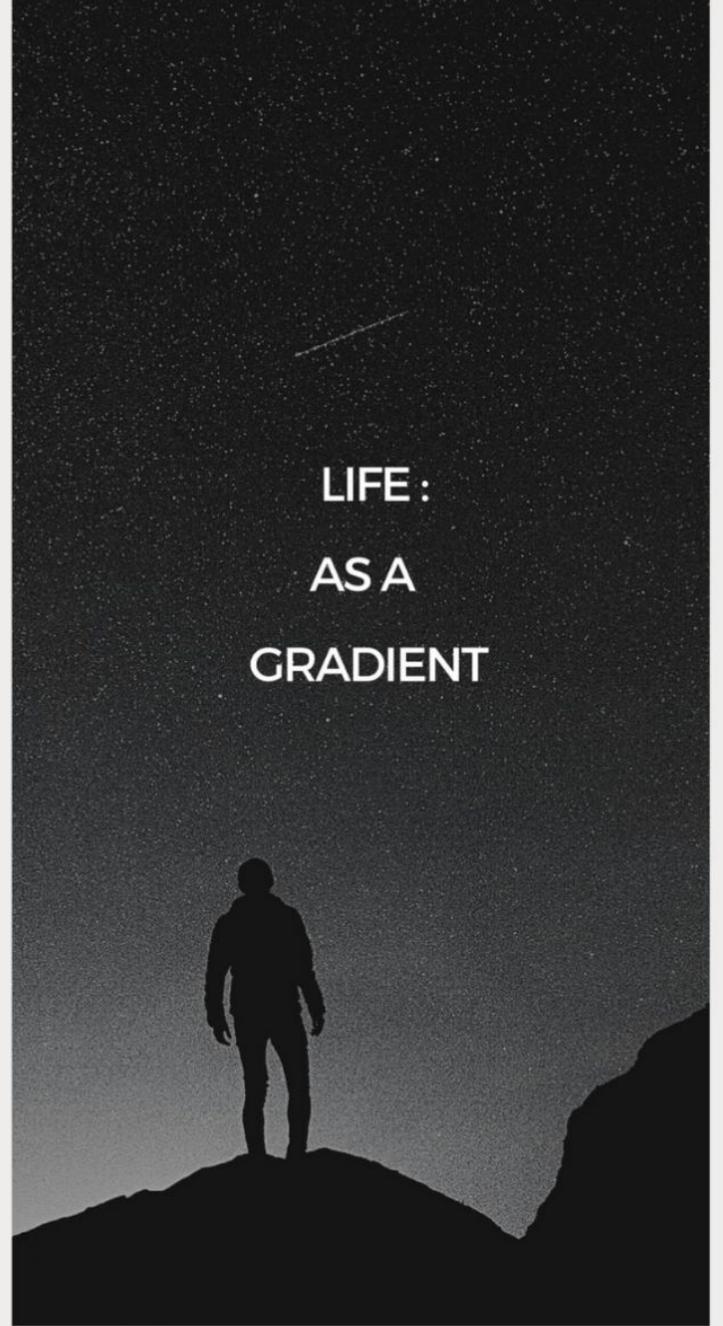
ना जाने ये आँखें हमेशा सच ही क्यों बयान कर देती हैं,
लगता है जैसे तेरा इनसे कोई गहेरा नाता हो,
इसलिए अब तो मैं अक्सर इन्हीं आँखों में खुद को बोले हुए झूठ पढ़
लेता हूँ।

कभी कभी सोचता हूँ की तेरे भी एकदम अलग तेवर हैं, ख्वाइशों के पुरे
होने की ख्वाइश कर बैठा है,
लगता है जैसे पिछले सारे जन्मों की अधूरी ख्वाइशें मुज ही से पूरा
करवाना चाहता है तू,
ना जाने क्या चाहता है ऐ दिल तू।

कभी कभी तो लगता है जैसे तू खुद नहीं जानता तू क्या चाहता है,
हर रोज़ प्रातः बस यूँही आरजूओं के मायाजाल में फँसा रहता है।
उस समय तो आँखें होकर भी भटक जाता हूँ,
जैसे रात्रि के अंधकार की चादर अभी तक हटी नहीं।
अब तुहि बता क्या करूँ में तेरा,
ना जाने क्या चाहता है ऐ दिल तू।

कभी कभी सोचता हूँ की आँखें भी कुछ कम नहीं,
खुशी में भी आँसू और गम में भी आँसू,
जाने ज़ोर ज़ोर से चीख रहीं हो की सभी अवस्था समान हैं, सुख और
दुःख सिर्फ एक मानवी ब्रह्म हैं,
इसलिये अब तो बस यही सच के साथ ज़ी रहा हूँ की जो हो रहा है वह
अच्छे के लिये हो रहा है।

लेकिन अब जब आँखों का बयां किया हुआ लोग ना पढ़ पाए तो मुझसे
कविता लिखवा दी,
ऐ दिल ना जाने क्या चाहता है तू,
ना जाने क्यों चाहता है तू।



Written By: Nand Gotecha,
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ઓનલાઈનની માથાફૂટ

કોઈ નવું સળગતું આવ્યું એવું હાથ અડાડતાં દઝાય છે,
બેવફા નહોતું કોઈ તોય દૂરથી જ સલામ થાય છે,
નથી કોઈ વેકેશન તોય શાળા કોલજો બંધ થાય છે,
આ બધાંની ચિંતામાં વાલીઓના શ્વાસ ચડી જાય છે.

કાલે જટાતાં ફોન આજે સામેથી હાથમાં થમાય છે,
રોજ ઉઠીને એમ આઈ ઓડીએબલ જ સંભળાય છે,
તોય કેટલાય મારા વહાલા જોઈને થઈને સુઈ જાય છે,
આ વળી તે કેવું ભણતર આંગળીઓના ટેરવે સંતાય છે.

ના જવાબ આવડે તો શાનમાં મ્યુટ રહીને જ મનાય છે,
જો જવાબ આવડે તો ધીમું નેટ કનેક્શન ભરમાય છે,
અજાણે ચાલું રહેલા માર્ઈકની વાતોથી સૌ શરમાય છે,
છ ફૂટની દુરીના બાને આખો દી ફોનમાં જ જોવાય છે.

નેટવર્ક ચાલ્યું જાય તો બેસુરા તંબુરા ના સ્વર સંભળાય છે,
ને નેટવર્ક આવે તોય ક્યાં કોઈ સુરીલા તાનસેન જણાય છે,
કેટલીવાર કલાક એક ઇઝ સ્ક્રીન વિઝીબલ જ પુછાય છે,
જો અવાજ આવે તો લાગે એને ફાટેલા સ્પીકરનાં વરદાન છે.

કોને કહેવું શું બધાં કાળા કાગડાને જ સમાન છે,
લટકી ગયા છીએ એવા કે લોકડાઉનની આડ છે,
ચોપડીઓમાં બધે આઇસનટ્રોપિકના જ ખયાલ છે,
પણ આ જિંદગીમાં તો ઇસ્વર્સીબલના જ પ્રમાણ છે.

મિકેનિકલ લીધું તું પણ જાણે બીસીએનું ભણાય છે,
શું હતો રેડિએશનનો કોન્સેપ્ટ એ હવે સમજાય છે,
સ્ક્રીનને જોઈને તો આંખો આપૂડી જ બંધ થાય છે,
આખો દી બેઠેલું આ શરીર હવે અપંગ જ જણાય છે.

ખબર નહીં હોસ્ટેલના દિવસો પાછા આવવાને કેટલી વાર છે,
કોલેજના મિત્રો સાથે અમથું અમથું રખડવાનો ઇન્તેઝાર છે,
રોજ આશાવાદી આ જાત માને છે કાલે નોર્મલ જ સવાર છે,
આ અનિમેષ આંખોને તો ક્યારની એવી સવારની જ વાટ છે.

Written By: Nimesh Makwana,
IVth year Mech. Engg., MSU



IS THERE EVEN ANY GOING BACK?



Mars is too mainstream, lets go to Jupiter" said NASA
But approval was impossible so it was made incognito.
Found a loner from Alaska
Convinced him like he couldn't say no.

Excited he was, felt like Armstrong
Suited in white, testing all formalities.
In the prime of his youth, he never felt so strong
Absorbing the thrust he went up, bidding farewell to all the cities

"Vasco-1, the mission is inbound start ejection protocol"
beamed his transmitter as he saw the largest planet
Touched down the surface just to realize all communication was gone.
He held to his oxygen tank like magnet
Roamed endlessly on the unknown terrain resembling Babylon.

Meanwhile NASA froze, panicked, fumbled but couldn't do a thing
Unauthorized was all this set up, world moved regularly while its one native sat light-years ahead.
To calm himself all he could do was sing
74 days he counted based on food cans and oxygen he had.

59 days passed by of unsuccessful attempts while our deserter could only sit and wonder
Things he had seen, things he had known, things he had

felt, all these things he wanted to scream it out of his neck.

He looked up every time he lost hope, to see if someone had come to pick him up from this blunder
Remembering the past made him think of future of what would happen when he went back, or is there even any going back?

**Written By: Shashant Asnani,
IIIrd year Mech. Engg., MSU**

LIFE LESSONS FROM MECHANICAL ENGINEERING



Sometimes life gives you impact loading,
Try not to broke yourself

Think of the mild steel,
How it performs in Izod test

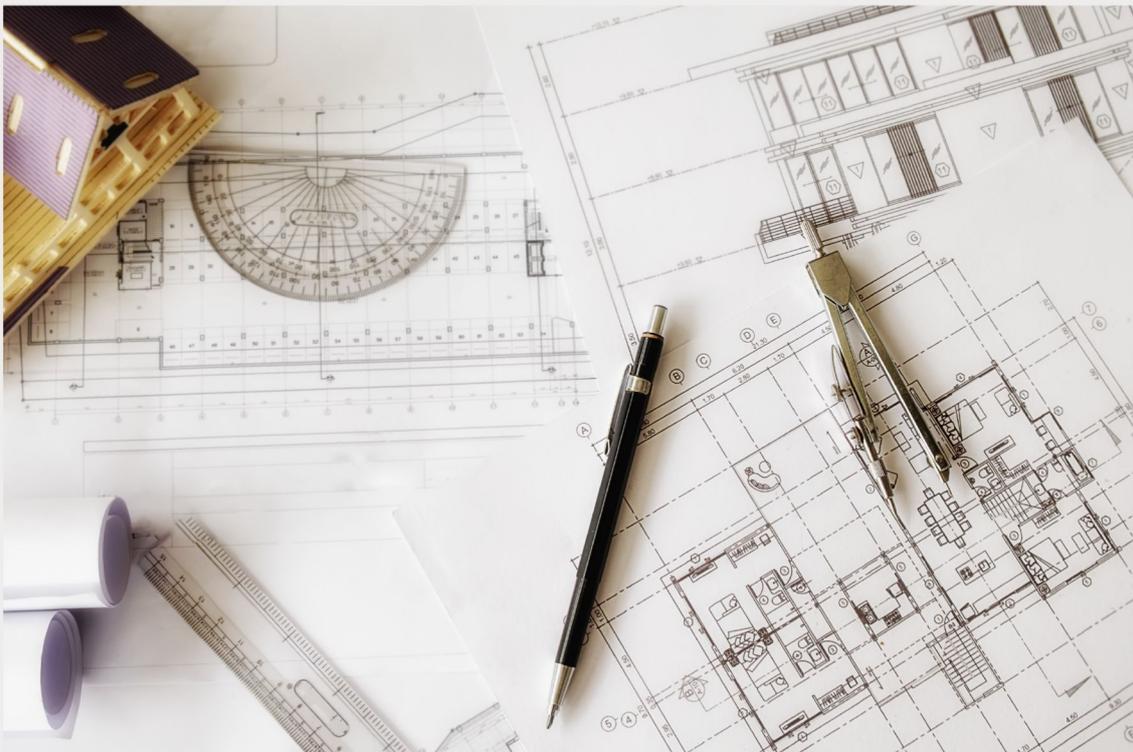
Prepare a mold, cast yourself,
As rigid as you can

Converge your thoughts, make it laminar,
Cause that can give life lift and thrust
you want

Sometimes your fears gives you shear,
But that's the wear you have to bear

Share your feelings, to your loved ones,
Like gear and links,
Cause sometimes single rivet can't
handle, all stress and loading

It's just that nature wants you to
prepare and shape,
But for that you have to bear plastic
limit as metal had



**Written By: Kaushal Dalwadi,
IVth year Mech. Engg., MSU**

અનંત વિમાસણ

આ દુનિયામાં કોઈ વાતનું તર્ક કાઢવું એ કદાચ સૌથી ખોટી અને નકામી વસ્તુ હશે. કેમ કે એક તો આપણને જ ખબર નથી કે આપણા અસ્તિત્વના તર્ક વિશે ને આપણે વાતોના તર્કને શોધવા માટે મથીએ છીએ. હા એ પણ છે કે આપણાં અસ્તિત્વની કળીઓ શોધવા અંતરિક્ષમાં રિસર્ચ અને બીજી શોધખોળો થતી જ રહે છે. ઘણાં મહત્વકાંક્ષી અને ઉત્સાહી વ્યક્તિત્વ એની ઈચ્છાઓનાં કપડાં ટાંગવા ક્યાંક ને ક્યાંક તો ખીતી શોધી જ લ્યે છે, પછી એનાથી કંઈ તર્ક મળે કે નહીં એ બીજા ક્રમની વાત છે. ઘણાં વૈજ્ઞાનિકો એવું માને છે કે જો આપણે આપણાં અસ્તિત્વ વિશે જાણીશું તો એ આપણે ભવિષ્યમાં ઉપયોગી નીવડી શકે. આ બધી રિસર્ચ પરથી તો એ પણ ખબર પડ્યું કે બિગબેંગ નામની ઘટનાથી આ બ્રહ્માંડ બન્યું છે. પણ પછી એવુંય સામે આવ્યું કે એ બિગબેંગ આપણા બ્રહ્માંડની શરૂઆત તો ખરી પણ એ આગળના બ્રહ્માંડના વિનાશની પણ ઘટનાં છે. એટલે આ વાતના અંતે તર્ક શું મળ્યું? એક નવો શબ્દ બધાંને વધારે યાદ રાખવાનો થયો, બીજું કંઈ નહીં.



હજી એક વાત કરું તર્ક બાબતે તો એક વાત છે કે જે પહેલાંથી થતી આવી છે કે, આ બધું જે પણ આપણી સાથે થાય છે કે જે નથી પણ થતું એ બધું જ પહેલાથી જ લખાયેલું છે અને ઉપરવાળાની ઈચ્છા સિવાય એક પાંદડું પણ નથી ચાલતું. તો તો પછી આપણે કંઈ પણ કરવાનું આવતું જ નથી, જે થવાનું છે, જ્યારે થવાનું છે એ થશે જ. જો આપણાં નસીબમાં લોહું જ લખ્યું હશે તો ભલે ને આપણે સોનાની કિંમત ચૂકવીએ તોય લોહું જ મળશે. પણ આ બધી વાતો તો કોઈ સાઠ-સિત્તેર વર્ષના ભાલા કરે તો સારી લાગે પણ હું એવો જુવાનિયો અને એ પણ એક એન્જિનિયર આ વાત કરે તો કેટલાય પ્રશ્નો ઉઠાવે, તું કઈ બાજુ છે? અમારી કે પેલી? પણ આપણે એમ માની લઈએ કે જે પણ થાય છે એ બધું મારી જ ભૂલો કે મારા જ પ્રયાસોને લીધે છે તો એ પણ દલીલ છે જ કે એ બધું એમ જ લખાયું હતું કે તને એવો વિચાર આવશે કે આવું કંઈ લખાયું જ નથી. હા થોડું વાક્ય જટિલ બની ગયું પણ બે-ત્રણ વાર વાંચીને કદાચ સમજાઈ જશે. આવી પરિસ્થિતિમાં આવે ત્યારે માણસો કર્મના ચક્ર પાછળ પડી જાય છે. તમે જેવા કર્મ કરો એવું જ ફળ મળે, અને આ દલીલ પાછી ઉપરવાળાની ઈચ્છા વિના પાંદડું પણ હલે નહિ એ જ માણસો કરતા હોય છે. તો પછી કોની વાત માનવી ને એમાં પણ કઈ વાત માનવી એનીય માથાકૂટ તો છે. એટલે અંતે કોઈ વાતમાં તર્ક મળતું જ નથી, જે મળે છે એ માત્ર વાતો. જેને આપણે મરીએ નહિ ત્યાં સુધી સાંભળીએ રાખવાની.

હા, મરવા પરથી એ પણ યાદ આવ્યું કે આપણે આ દુનિયામાં આયવા અને કાલે કદાચ ચાલ્યા પણ જાશું, તો શું કામ, શું કામ આ બધું થાય છે? કેમ લગવાન આપણને અહીં મોકલી થોડા સમય પછી પાછા બોલાવી લ્યે છે. શું તર્ક હોઈ શકે આનું? આપણની આવી બાબતો જાણવા પાછળની ઈચ્છાઓ પછી કોઈ નવી વાર્તાઓ કે નવી થિયરીઓ તરફ દોરી જાય છે, જેનો તર્ક કાઢતાં કાઢતાં નવી વાર્તાઓ અને નવી થિયરીઓ સામે આવે છે. ને બસ, આમનેઆમ ચાલતું રહે છે.

અંતે કોઈ વાતમાં કંઈ તર્ક હોતું જ નથી, સોરી સોરી આ વાક્ય પણ એક તર્ક જ બની ગયું ને! જોયું, બધું આમ જ ચાલ્યાં રાખે છે.

નીકળ્યું એવું આ વાતનું તર્ક કે આ વાતનું તો કોઈ તર્ક જ નથી, જો વધારે વિચારશો આ જીવનમાં તો અનંત વિમાસણો જ ખરી.

Written By: Nimesh Makwana,
IVth year Mech. Engg., MSU

QURANTINES

With complains of "no times" by all
I blessed u all with times and times.
Oh! some treat me like a boring wine
While others find me an attractive tea!!
Some complains that we are hell of bored
But within all they enjoy no work!!
I teach u all the prime lessons of life,
Via epics like Ramayana and Mahabharata on TVs !
Well youngsters says its Netflix and chill,
But true heists comes when its Ludo and kings!
Late nights with your dearest friend
That's nothing just a stupid gadget.
Its all just wise to spend some time with mom and dad,
To share your worries and show your love to them!
But above all its to stay home, safe and well to fight the demon that sounds Corona!!!

**Written By: Vatsal Patel,
IIIrd year Mech. Engg., MSU**





STUDENT'S TESTIMONIALS

Great experience and lots of learning from MIIC activities. Participated in many activities arranged by MIIC and it will become helpful many ways in further lifespan. Thank you team MIIC for your hard work and dedication towards improving skills of students. Grow and keep it up.

- **Bharat Sonagara**

It is actually very helpful for like students me. From MIIC's session, I learnt lots of things. I hope it will help in future students also.

- **Kachhatiya Vishal Kantibhai**

MIIC had done lots of skill enhancing activities for Mechanical Students which will be very helpful in their professional life. Thought this whole year was online but MIIC didn't stop their effort. They had tried continuously to improve the skills and knowledge of students. Thanks MIIC.

- **Sagar Kapadiya**

Since two years they have done great job, Number of sessions for students overall development are very helpful to start their professional career. their application MIIC4u is wonderful initiative!!!

- **Divyang Prajapati**

MIIC is very helpful to all aspects of study at same time improving soft skills, it organised GD, guidance seminar and other many activities which is improving students overall characteristics.

- **Krupalsinh Chauhan**

MIIC has done great job. The team has organized number of good webinars. In addition, MIIC4U app was a good initiative. Hope it would consistently run.

- **Chirag Gohil**

Due to this online mode, there was not much scope for MIIC to organize events. The MIIC app was a great initiative and I personally found it helpful from academic point of view. Although MIIC was not able to help students getting any internships. I also appreciate the online sessions organized by the cell for industrial exposure of students. But the cell should find a way to make such sessions interesting for the students to voluntarily participate in such events rather than compelling them to do so. In a nutshell, MIIC did a great job this year!!

- **Nisarg Bakre**

Amazing activities prepared and executed by the team. Great effort by the team throughout the year. Great Experience.

- **Kaushal Dalwadi**

The team has been doing great work regardless of the ongoing pandemic, it's a great privilege to have a team working for the betterment of students. Hope that this keeps on going for our upcoming batches.

- **Preet Vala**

MIIC is the great initiative taken by our seniors and this year you all coordinators did a fabulous job for improvement of our department's student's skill. MIIC arranged the speak on session & seminar on various topic like English improvement, Resume bulding etc. This two things I liked the most & also others things were Excellent. I know the result was not in our favour but, I appreciate your efforts, you take action for providing us Internship opportunity. Lastly, the launch of MIIC4U application was a remarkable move from your sides for the welfare of students. So, thank you for giving your valuable time for our department.

- **Mahendra Ghanchi**

Great Initiative taken by our seniors. Good to see that current Coordinators had continued that initiative though the time was tough. Hope to learn more with MIIC.

- **Pratik Parmar**

TEAM UTKARSH (MIIC TEAM 2020-2021)



Being a part of MIIC has been nothing short of a blessing for me! It gave me the opportunity to learn so many new things. And it was through MIIC only that I got to work with an amazing team! "No task is too big to achieve" - that's what I learnt while working with Team UTKARSH! And a special thanks to all the professors and students who are actively helping MIIC reach its potential.

Arjav Desai
Coordinator



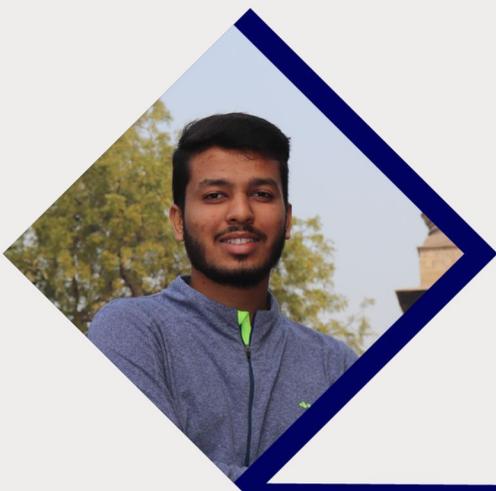
MIIC is not just a cell it is like an organization and to be a part of this organization is a golden opportunity for me. During the journey with MIIC I have learnt so many things like Team bonding in virtual era, Time management, how to negotiate professionally and much more. Thank you to our seniors who have started this wonderful journey for Mechanical students to redefine their possibilities and for giving them platform to come and learn something which is out of the box.

Dhaval Vala
Coordinator



MIIC became very great phase of my academic career in this pandemic. In online education the lag on technical studies was covered by soft skill studies with MIIC. And not only for me had MIIC become helpful to every mechanical engineer in that way.

Hiren Mistry
Coordinator



TEAM UTKARSH (MIIC TEAM 2020-2021)



““

MIIC is that halt in my life's journey after which I can see different ways for my future and different ways to achieve my goals. I am very grateful to be part of MIIC , it is greatly change my self.

Kartik Patel
Coordinator

““

MIIC is like breaking forth wall for me. After joining MIIC I came to know In which area most of the unsuccessful engineers are lagging. As a part of MIIC I feel deep self-realization about my capabilities, my boundaries and my future vision.

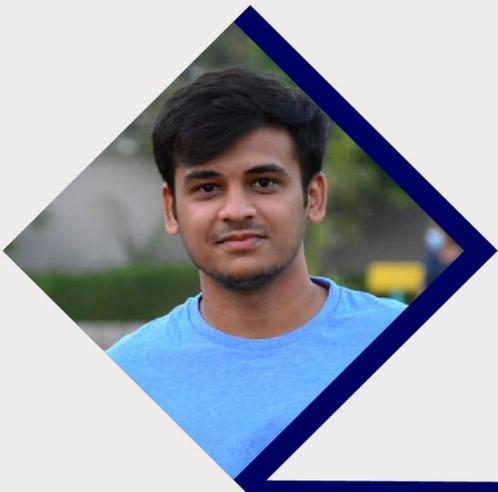
Nimesh Makwana
Coordinator



““

To work for the Mechanical Engineering Department and to work for a good cause is something I always loved to do! MIIC provided me with an opportunity to not only help others grow but at the same time helped me grow in the process. I will forever be grateful for the excellent and hardworking teammates and the experience that I gained working with them. Without MIIC all this would've been impossible.

Parshwa Kamdar
Coordinator



TEAM UTKARSH (MIIC TEAM 2020-2021)



Every time I ensures that to never loss any opportunity to add good values in people within my surrounding from classmates to hostel friends. MIIC gives me platform for my passion, learning new skills and polish which are already in my arsenal. I want thank everyone who being with me during whole journey of MIIC.

Rohit Kadachha
Coordinator



MIIC is not just a cell but a family of more than 450 students, a family where all are learners and knowldge seekers. I am honoured that I got an opportunity to be a part of MIIC and working with an amazing and a passionate team made the journey even more interesting. During this journey, I got to inculcate various new skills and with every activity, working our way out of the challenges and conducting the activities successfully, made me and my team strong. I am grateful to all mentors and students for supportng MIIC and I am happy that I could give something back to the community.

Sujith Nair
Coordinator



I am feeling very proud for being the part of MIIC, the heart of Mechanical Department. MIIC has not only provided an opportunity to learn but also provided an opportunity to serve others. It helped me to learn and enhance various skills which I think will be definitely helpful for me in nearby future. Also I want to thank every student, faculty members of Mechanical Department for helping entire team in any way they can and helped MIIC to reach new heights.

Zainul Bhaisaheb
Coordinator



STUDENT'S ADVISORY BOARD

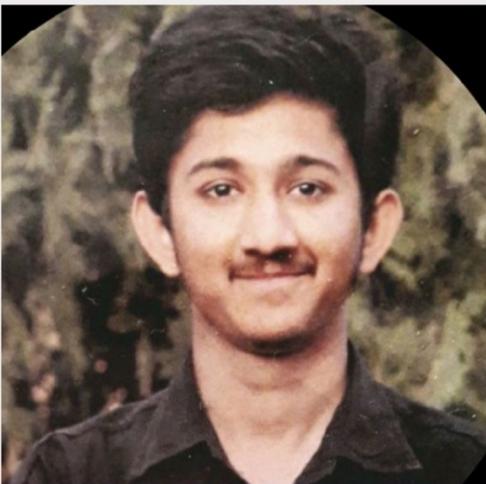


Samkit Kothari
Founder & President



Started with a dream which turned into reality. MIIC is a unique kind of initiative that holds limitless potential and opportunities. The journey from starting it to nourishing it has been a great delight. I am pleased that it has brought a positive change and introduced a new culture in the faculty.

I congratulate the whole MIIC family for achieving this milestone and even in the midst of the pandemic, MIIC could make a huge contribution to the part of the students. I wish and strongly hope that being at center stage, its existence will contribute and prosper learnings for years to come.



Prathmesh Jadhav
Co-Founder



Knowing our own possibilities is intelligence, but always redefining it towards our ambition is the face of success.

MIIC has completed two years successfully with the consistent efforts of all team members. The new team brings a new approach to explore possibilities and redefine them. I am thankful and proud of the team that had worked consistently in such a resisting situation and successfully archived all goals and made MIIC reach new heights. The journey will continue for many years, new members will add new possibilities and make our MIIC reach more heights.



STUDENT'S ADVISORY BOARD



Aakash Kavaiya



Juzar Vohra



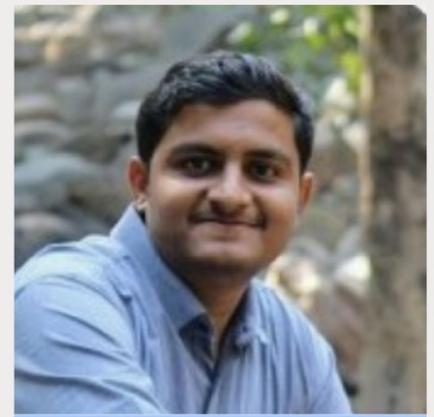
Jay Panchal



Kishan Parmar



Kaushik Goswami



Bhavik Patel



Meet Patel



Shrey Patel



Ranjana Shrivastava

REDEFINING POSSIBILITIES

MIIC

MECHANICAL INDUSTRIAL INTERACTION CELL



**The Mechanical Engineering Department,
Faculty of Technology & Engineering,
The Maharaja Sayajirao University of Baroda**