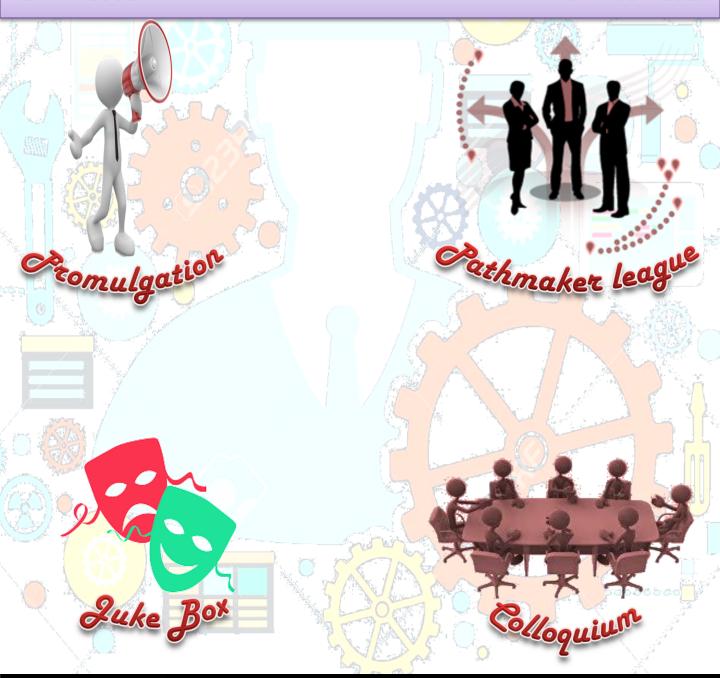


TENTH ISSUE

JAN-JUN 2021





DEPARTMENT OF MECHANICAL ENGINEERING
JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE



MESSAGE

Coming together is a Beginning, Keeping together is progress, Working together is success"

We are here once again to welcome the readers to our "E-MECH FINE. This is going to be a one step information guide on what's happening in our college & lots more!!!!!!

Well for unleashing a person's creativity a proper medium is prerequisite, the quintessence of which is nicely imprinted. In E-MECH JINE students can expose their literary & artistic talents, Each issue of our magazine is a milestone that marks our growth, unfolds our imaginations, and gives life to our thoughts and aspirations. It unleashes a wide spectrum of creative skills ranging from writing to editing and even in designing the magazine.

Students have shown their talents through the section called "TVNE BOX" where we have the mixture of jokes, poems, paintings etc and we will be taking a dive into the technical happenings around the world through our articles on Innovations, Noble prize winners and great personalities which we are sure will keep you motivated!!!

We are very thankful to all Faculties & Students for their contributions in making this E-MECH 3INE a grand success. So sit back and enjoy browsing through the "E-MECH 3INE". Happy Reading Folks!!!!!

---The Editorial Board



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MECH	ZINE

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Faculty Profile



OPINE- "A Pearl from Torchbearer"



Mr. Arpit Agrawal
Director

I am extremely privileged to lead the institute which has become an undisputed pioneer in the field of Education and Research; not only in the country but also in the global arena.

Knowledge gives humility, from humility, one attains character; From character, one acquires wealth;

from wealth good deeds (righteousness) follow and then happiness.

We at JECRC continuously strive hard to reach the benchmark through latest teaching tools, world class training modules, exploration of new research avenues to meet with ever changing corporate and education scenario. One such feather added to the crown was the launch of "E-MECH ZINE" by Mechanical Engineering department.

All the students and faculties have perfectly groomed this magazine which clearly depicts confidence, creativity and innovation of our gems. "E-MECH ZINE" is a milestone that marks our growth, unfolds imagination and gives life to our thoughts and aspirations. Mechanical Engineering department has done a cherished work that had its roots in the persuasion. This communication will also establish a tread of acquaintance with our alumni who are doing wonders across the world and raising the flag of JECRC higher and higher, for which JECRC owes a lot to them.

Aristotle once said "Educating the mind without educating the heart is no education at all". We endeavour constantly to instil different qualities in our students. We feel proud that our students are growing into sensitive and responsible citizens of future.

I am overwhelmed by the team of hard working staff and learned faculty who have made me proud by creating such a masterpiece in the form of this magazine. I once again congratulate the entire team for their hard work and dedication.

Best wishes and Happy Reading!!!!!!!!



OPINE- "A Pearl from Torchbearer"



Dr. V.K Chandna Principal

JECRC stands tall on the foundation of its excellent Vision and Mission being continuously achieved by its committed and deeply knowledgeable faculty, innovative and unique pedagogical tools and an eclectic and diverse student community that has a burning desire to make new paths of its own. There is no longer a single pathway to that end but whatever paths our students choose must be filled with efforts, dedication, relevance & relationships.

"E-MECH ZINE "by Mechanical Engineering Department of JECRC is indeed a great success giving out all the insights of the different, activities in college as well as in Mechanical Engineering Department. This initiative taken by the Department will facilitate the students with necessary information, record keeping as well as increasing student capabilities through active participation.

This magazine is the result of our creative & innovative team of Students & Faculties; it is our belief that engineering should be the experience of a life time. These experiences set the stage for success later in life and provide a lifetime of positive memories for our students. This institution has played a cascading role in the career and personality of innumerable students who have brought laurels to the college, state, and country.

May we continue to give our students strong roots like the Banyan Tree and stronger wings to conquer the world!!

I congratulate the Editorial team for their endless & sincere efforts in bringing out the publication & wish all the readers an enriched journey through the pages of E-MECH ZINE". Happy Reading!



OPINE- "A Pearl from Torchbearer"



Dr. M.P Singh HoD, Mechanical

It gives me immense pleasure to lead the department of Mechanical Engineering. Our college is one of the premier institutions, unique like a prism reflecting the manifold shades of learning and co-curricular activities. JECRC is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence.

With our Tenth Issue of E-MECH ZINE we put forward a distinctive blend of offerings in the areas of engineering & technology in the form of different activities throughout the year.

The very motto of our department is to provide quality education. The process of learning is extremely important in life. What you learn, how you learn and where you learn play a crucial role in developing ones intellectual capability, besides career. Mechanical Engineering is an essence of today's world. We are committed of providing not only the technical education to our students but also the leadership qualities through which they can create employment to others. The education therefore, must catch up with these developments well in time so that Graduating students do not face the problem of obsolescence.

Our team in the department at JECRC focuses on holistic development of the students by a combination of both curricular and extra-curricular activities. We believe that to develop a tender mind we need to go beyond class room teaching to make the students industry ready and for that we never hesitate to go beyond the syllabus.

I congratulate the Editorial Board for their tireless efforts in bringing out this publication. I also extend my sincere thanks to the persons who have contributed to this issue and enhanced its perfection & beautification through articles, poems, inspiring stories etc.

I wish all the Students and Faculty a great academic career.



VISSION AND MISSION OF COLLEGE

VISSION OF COLLEGE

•To become a renowned centre of outcome based learning and work toward academic, professional, cultural and social enrichment in the lives of individuals and communities.

MISSION OF COLLEGE

- •Focus on evaluation of learning outcome and motivate students to inculcate research aptitude by project based learning.
- •Identity based on informed perception of Indian, regional and global needs and the areas of focus and provide platform to gain knowledge and solutions.
- •Offer opportunities for interaction between academia and industry.
- •Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

VISSION AND MISSION OF MECHANICAL DEPTT.

VISSION OF DEPARTMENT

•The Mechanical Engineering Department strives to be recognized globally for outcome based technical knowledge and to produce quality human resource, who can manage the advance technologies and contribute to society.

MISSION OF DEPARTMENT

- •To impart quality technical knowledge to the learners to make them globally competitive mechanical engineers.
- •To provide the learners ethical guidelines along with excellent academic environment for a long productive career.
- •To promote industry-institute relationship.



PROGRAM OUTCOMES

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- · **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- · Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- · **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- *Ethics:* Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- · *Individual and team work:* Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- · **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- · **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- · *Life-long learning:* Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



PROGRAM EDUCATIONAL OBJECTIVES

- •To provide students with the fundamentals of Engineering Sciences with more emphasis in Mechanical Engineering by way of analyzing and exploiting engineering challenges.
- •To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems.
- •To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues.
- •To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career.
- •To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge.

P80-PROGRAM SPECIFIC OBJECTIVES

PSO1. Apply the knowledge of material science, manufacturing, design and analysis to design Go-Kart and ATV (All Train Vehicles).

PSO2. Apply the knowledge of mechanical engineering and advance software to create 3D models, assembly, design and simulation.





STUDENT ACHIEVEMENTS

SEMESTER TOPPERS

<u>SEMESTER</u>	<u>SHIFT</u>	<u>NAME</u>	<u>% /CGPA</u>
IV th	Ist	DEEPAK SAINI	10.00
	IInd	MANISH SUTHAR	10.00
Vith	Ist	SHREYA GUPTA	87.14
	IInd	ABHISHEK BANTHIYA	86.2
VIIIth	Ist	DIVIK MATHUR	87.9
	IInd	HIMANSHU CHHAPARWAL	87.0



Activities at a Glance

H& H (HACKATHON & HR CONCLAYE)

JECRC H&H Conclave was not just an activity, but an opportunity.

Making the next big move many students participated in most awaited event, H&H Conclave i.e. Hackathon followed by HR Conclave.

Hackathon was held on Feb 3rd-4th, 2021 & HR Conclave on Feb 5th-6th, 2021. These events will foster collaborations between students and the technical world through purpose-driven challenges ranging from healthcare to security, robotics to agriculture and what not!

H&H Conclave 2021! Started with a Panel Discussion on 'Entrepreneurship and Skill Development and we were profusely elated to take an opportunity to have Mr. Nayanava De (Software Developer Engineer Microsoft), who joined us with his gracious presence.

We all had a merry and enjoyable time together.

"Great opportunities come to all, and the secret of success in life is to be ready to grasp them when they arrive".

Our winners have proven this fact yet again!!!





RBY

SARIKA SURYAWANSHI

GLOBAL TALENT ACQUISITION SPECIALIST, QUALITY KIOSK

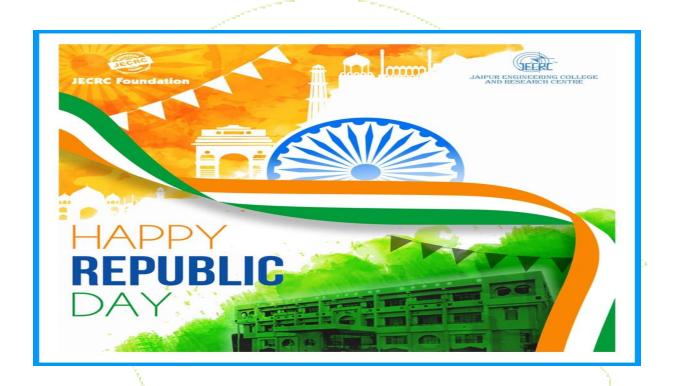








72ND REPUBLIC DAY@ JECRC



Saluting India! Where each bud blooms in its true colors, where each day is celebration of unity, harmony and synthesis.

With patriotism in heart & freedoms in our mind JECRC gathered to celebrate our 69th Republic Day. The Chief Guest for the day was Dr. V.K Chandna, after Flag hoisting he addressed the Students & Faculty members with his motivational words. The day ended with beautiful & mesmerising performances by stars of JECRC



NETAJI SUBHASH CHANDRA BOSE JAYANTI

Netaji Subhash Chandra Bose Jayanti or Subhas Chandra Bose's birthday is celebrated on 23rd January every year to remember and honour Netaji's vigour as one the greatest freedom fighters of India. This day tributes the birth of India's most celebrated revolutionary and visionary freedom fighter who spent his entire life fighting for the independence and honour of this nation. People across India celebrate this day in unity. The Indian government decided to celebrate January 23 as 'Parakram Diwas' every year.

Subhash Chandra Bose was a man of great courage and willpower; he was a true son of his motherland; a scholar, a patriot, a leader, an intellectual, a visionary, a socialist, and a warrior. His untiring efforts for the freedom of his nation earned him the greatest and most respected titles of all times, Netaji. His birthday is celebrated across India by garlanding his statue; hosting Indian national flag, and organizing cultural programs in institutes.

Department of Mechanical Engineering of Jaipur Engineering College and Research Centre, Jaipur celebrated this day and organized the following events in the memory of Netaji Subhash Chandra Bose.

- Essay writing competition,
- Debate competition, and
- Designing Virtual Posters depicting Netaji's work.

On this occasion the students participated in the above three events with full zeal and enthusiasm. We received most number of participation in the essay writing competition. Number of participant in essay writing competition is 58, in debat competition is 20 and in designing virtual posters depicting netaji's work is 23.

All these events were planned around Netaji Subhash Chandra Bose. The topics selected for these events are:

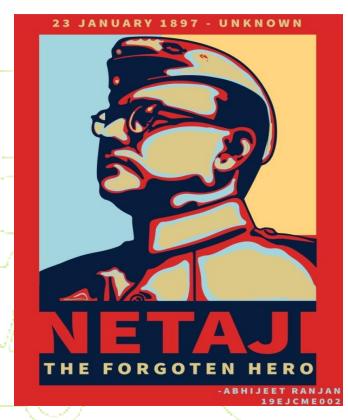
- Aazad Bharat
- [Essay writing competition]
- Aaj Ka Bharat
- [Debate competition]
- Netaji Subhas Chandra Bose: The Freedom Fighter

[Designing Virtual Posters depicting Netaji's work]

At the end of events, the respective faculty coordinator of each event concluded the event and thanked all the participants for showing their zeal and enthusiasm for these events organized by the Department of Mechanical Engineering of Jaipur Engineering College and Research Centre.







name - Abhilited sharma

RTU ROU NO - IBEJONE 008

" Azaol Bharat "

It is sailed that India got Independence on 15 diguit 1947, but only some know that a man in language on deliber 41, 1943 declared India; Independence, almost four years begoes.

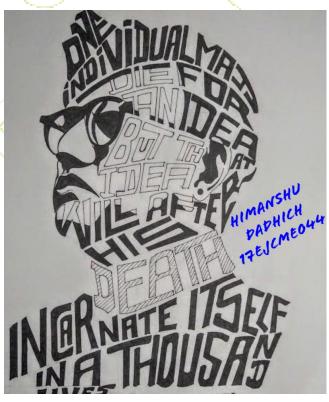
The man was Majo subrach chandra base, whose with announcery we solderate salay, in gamany 23. On 31 Detates 1945 it stiff, Independent India was resignized by eleven nations of somice union, industry state, hussa, gapan, strona, and record.

but only acouse of policies, in diath of relative sumains a mystery happened on 1345 plane evals, gut before I years from 1347.

when In 1956, the then Prume

minister of britain same to snava, was possed by the governor of bengal draf, "suby and dre british leave snava, when they had adveady original the frust anala maument in 1944"?, to which the frame minister of britain repetied that "It was subject changes bot and the Indian rational dray that he established which compelled the britishers so leave India."

Today, an have to understand that it was an vaccifice of chancerds of soldier of INA & neight homoey, that had so "mother made", independence" nather the anima.





JECRC PLACEMENTS

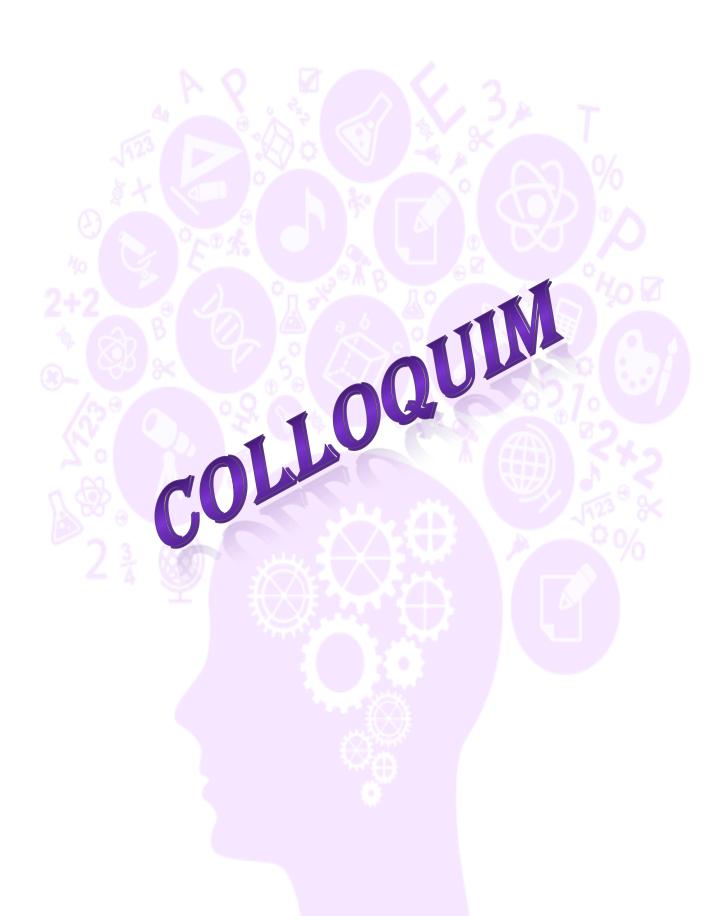


76 Companies Visited! 1882 Placement Offers till Phase - 3

JECRC has continued the unwavering legacy of unbeatable placements that have turned the student's life into an equitable direction where they can explore and proliferate their talent in their profession.

So, once again JECRC has been remarkable in Placement and the 1882 Placement Offers itself proves the wonderful achievements in big giant companies like Accenture, TCS, HP etc. The escalated number of average package has now become a tradition of this placement festival at JECRC Foundation.

JECRC would like to express warm gratitude towards the Placement Team for their extraordinary efforts and also congratulates each and every JECRC Family member for these trailblazing placements.





<u>WEBINAR ON "RECENT CHALLENGES AND OPPORTUNITIES</u> <u>IN AUTO</u>MOTIVE SECTOR"

A webinar on "Recent Challenges and Opportunities in Automotive Sector" was organized by Department of Mechanical Engineering, JECRC, Jaipur for 2nd, 3rd& 4rdyear students of mechanical on 08thJanuary, 2021. Ms. Palak Jindal (Assistant professor) and Mr.Satya Prakash Saini (Assistant Professor) were the coordinators of this webinar. Mr Satyendra Kumar (Assistant Professor) of mechanical department welcomed the resource person and participants and introduced the speaker with the participants.

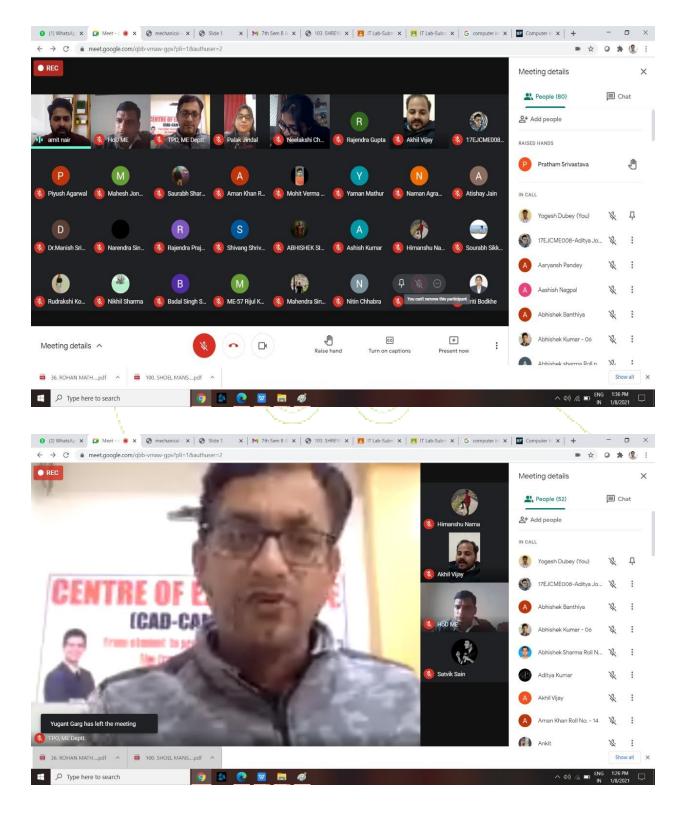


The webinar was focused on three different phases:

- 1. Present scenario of Automotive Sector now days?
- 2. Advantages and disadvantages of Automotive Sector on environment?
- 3. Recent Challenges of Automotive Sector.

Mr Amit Rajagopalan was very interactive with the fellows attending the webinar and gave information about huge possibilities to grow. The automotive sector is contributing majorly to the Indian economy both in terms of revenue and in terms of employment. Directly or indirectly thissector employs more than ten million people in the country. The challenges confronting the automotive sector for 2021 may be grouped like Regulations, alternative fuel vehicles, building brand loyalty, choosing the correct powertrain technology, global consolidation, the automotive supply chain, reconnecting with shoppers etc.





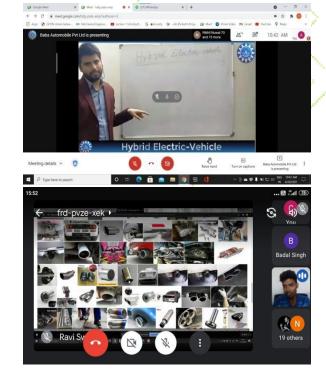


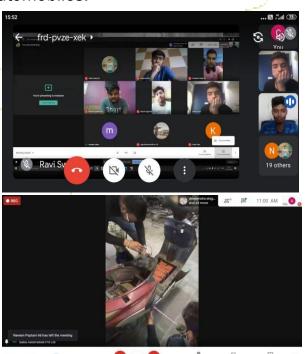
WORKSHOP ON ELECTRIC VEHICLE BY BABA AUTOMOBILES

"Change is the end result of all true learning".

In these tough times we're determined that education & learning shouldn't be stopped. Department of Mechanical Engineering of Jaipur Engineering College and Research Centre, Jaipur organized an Online Workshop for II and III year Mechanical Engineering students on Electric Vehicle during 27.04.2021 to 01.05.2021 in association with Baba Automobiles Pvt. Ltd., Jaipur.

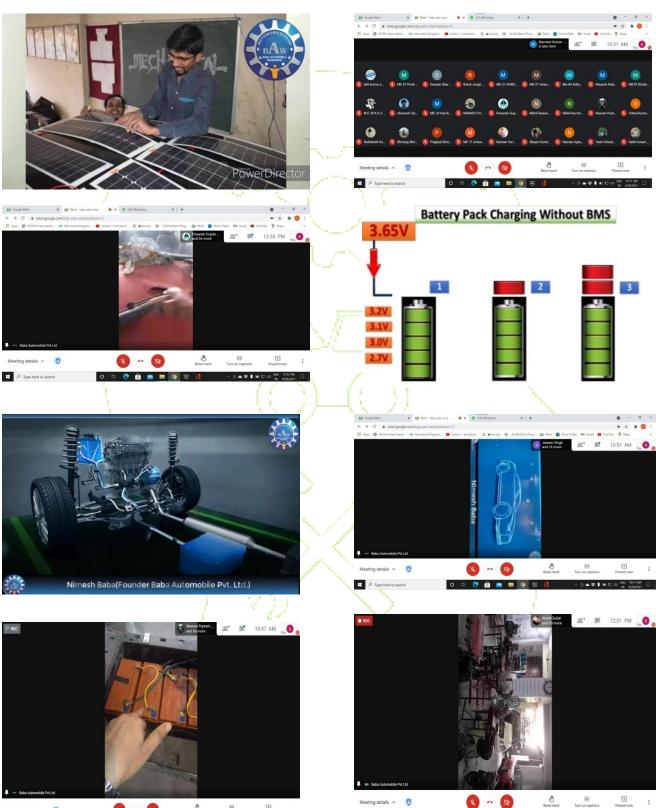
Workshop helped students in learning about electric vehicle (EV). It is a vehicle that uses one or more electric motors or traction motors for propulsion. An electric vehicle may be powered through a collector system by electricity from off-vehicle sources, or may be self-contained with a battery, solar panels, fuel cells or an electric generator to convert fuel to electricity. EVs include, but are not limited to, road and rail vehicles, surface and underwater vessels, electric aircraft and electric spacecraft. This workshop helped students in getting practical knowledge about EV virtually it was a wonderful & interactive session by BABA Automobiles.









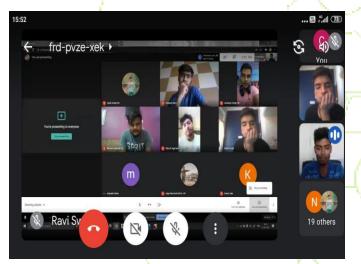


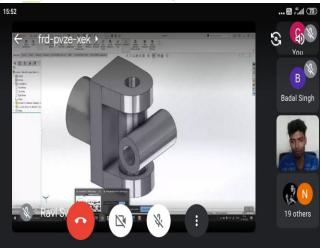


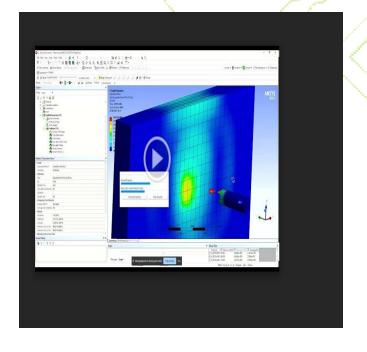
WORKSHOP ON SOLID WORKS & ANSYS WORKBENCH

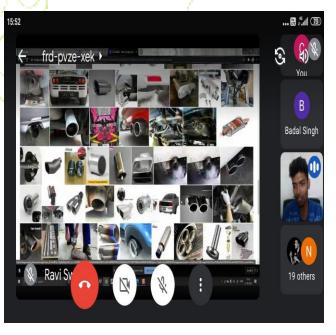
Department of Mechanical Engineering of Jaipur Engineering College and Research Centre, Jaipur organized an Online Workshop for II and III year Mechanical Engineering students on Solidworks and ANSYS Workbench during 19.04.2021 to 24.04.2021 in association with Cademate Training and Technical Services Pvt. Ltd., Jaipur.

Students were able to do hands on practice during the workshop due to which it was very much engaging & interactive session this workshop helped students to get a deep knowledge & also to do it practically.











<u>WEBINAR ON "DESIGN OF MECHANISMS"</u> <u>BY</u> DR. KAILASH CHAUDHARY PROFESSOR MBM JODHPUR.

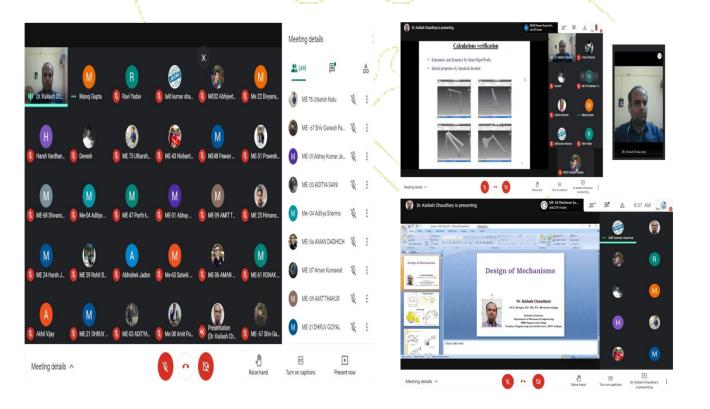
A webinar on "Design of Mechanisms" was organized by Department of Mechanical Engineering (JECRC ,Jaipur) for 2nd year students of mechanical on Thursday 13th May, 2021. The webinar was focused on some different point of mechanisms:

What do you mean by mechanism?

Where or how is the use of mechanism in our daily life?

Importance of design of mechanism in future study?

Mr. Kailash Chaudhary was very interactive with the fellows attending the webinar and gave information about the design of mechanism. Mechanism is basically knows as the system or assembly of moving parts that is working together to make a large machinery. A mechanism generally consists of moving component which include gear & gear trains, belts, chain drives, linkages, structural components etc. The combination of force and movement defines power, and a mechanism manages power to achieve a desired set of forces and movement.





FDP ON "HOW TO REFORM & RETOOL DURING PANDEMIC" BY

MR. TAUSEEF ZIASIDIQUI (SUSLENCE RESEARCH,QATAR)



"What lies behind us and what lies before us are tiny matters compared to what lies within us"

An FDP on "HOW TO REFORM & RETOOL DURING PANDEMIC" was organized by Mechanical Department. It was focused on stress management & to address the reason behind stress specially during the pandemic.

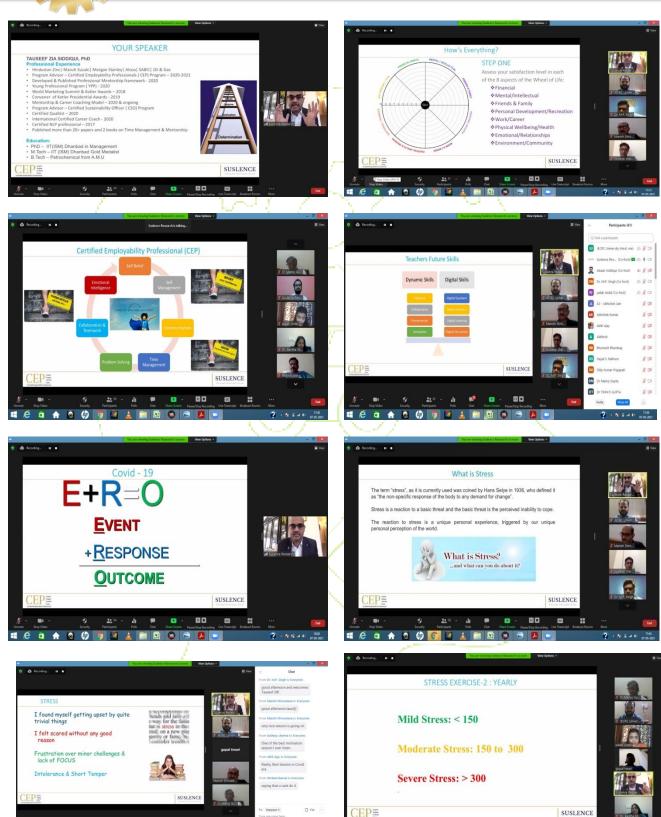
Speaker Mr. Tauseef discussed about different resons behind stress & how to deal with it.

It was very much interesting & interactive session with active participation by all the faculty members.



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<u>WEBINAR ON "FLUID PRESSURE MEASUREMENT AND IT'S</u> <u>INDUSTRIAL APPLICATIONS"</u>

MR. VINAY DHAKREY (ENGINEERS ACADEMY)

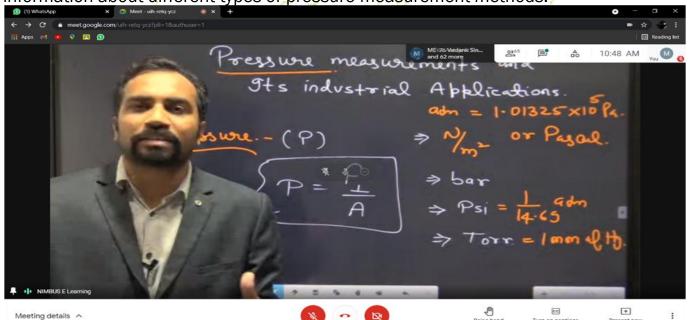
A webinar on "Fluid pressure measurement and it's industrial applications" was organized by Department of Mechanical Engineering, JECRC, Jaipur for 2ndyear students of mechanical on 14thMay, 2021. The webinar was focused on three main topics:

- · Basics of pressure.
- · Types of pressure measurement devices.
- · Applications of pressure measurement.

Basically pressure is defined as the normal component of the force acting per unit area. It's units are Pascals, bar, Psi, Torr, etc. There are 4 types of pressure: absolute pressure, atmospheric pressure, differential pressure, gauge pressure. "A pressure change at any point in a confined incompressible fluid is transmitted throughout the fluid such that the same change occurs everywhere" This statement is known as Pascal's law.

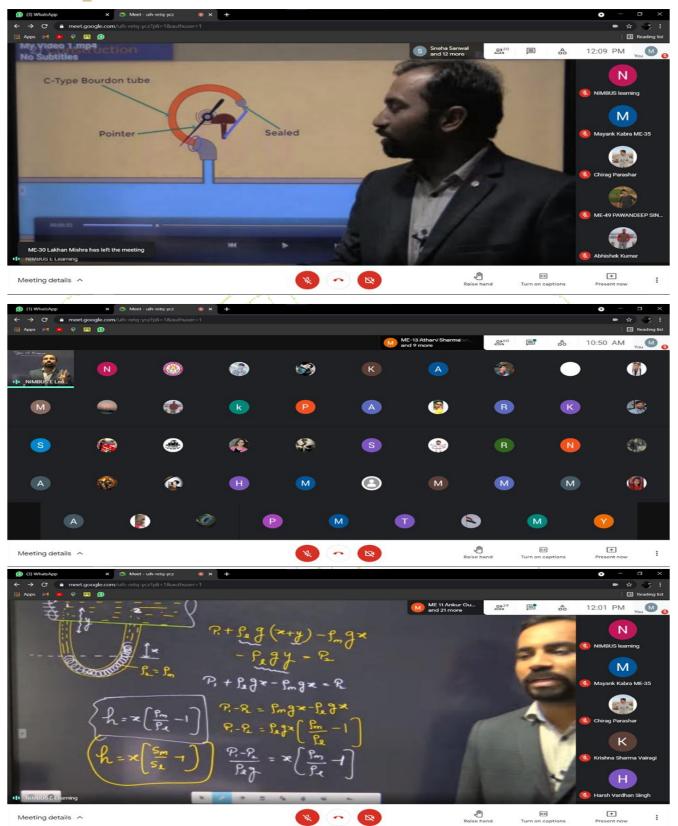
Mr. Vinay Dhakery was very interactive with the fellows attending the webinar and gave

information about different types of pressure measurement methods.











<u>A WEBINAR ON "HOW MECHANICAL STUDENT MAKE THEIR</u> CAREER IN AEROSPACE"

A webinar on "How Mechanical Student Make Their Career In Aerospace" was organized by Department of Mechanical Engineering (JECRC ,Jaipur) for 2nd year students of mechanical on Saturday 29th May, 2021.

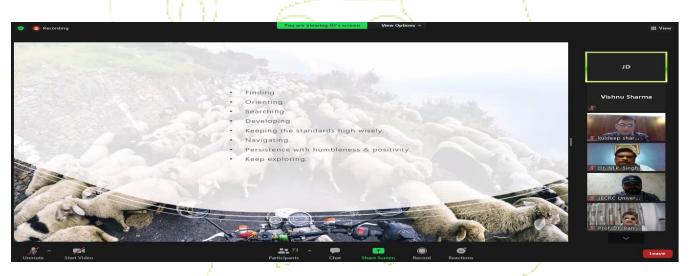
Mr. Ravi yadav (Assistant Professor) were the coordinators of this webinar. &

Mr. Kunal Kumar & Aman Sharma is student coordinator in webinar.

Mr. Lalit Kumar sharma (Assistant Professor) of mechanical department welcomed the resource person and participants and introduced the speaker Mr. Jayadev Nambisan with the participants.

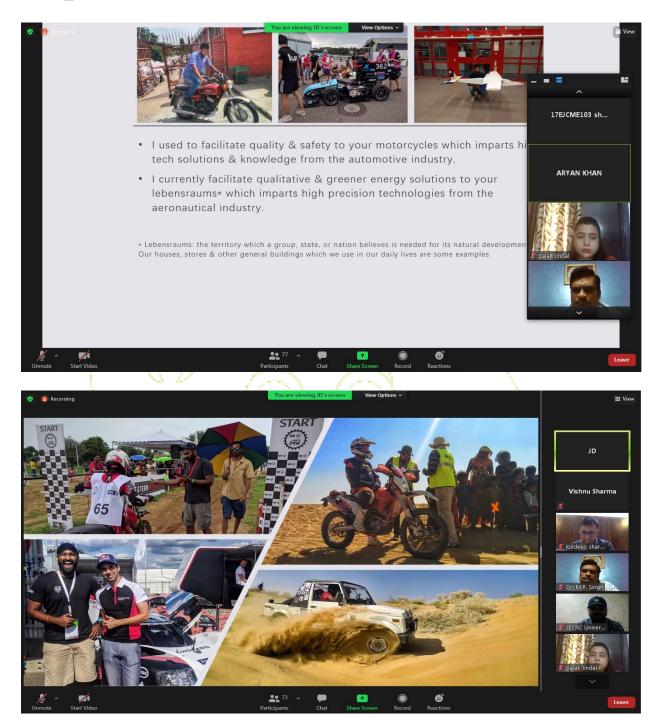
The webinar was focused on some different point of Aerospace Industry:

- How we are ready to enter in aerospace industry?
- Relation of a mechanical student with aerospace industry?
- What I do?



Mr. Jayadev Nambisan was very interactive with the fellows attending the webinar and gave information about the "How Mechanical Student Make Their Career In Aerospace Industry". Aerospace industry is basically known as engaged in the development, flight research. manufacture 1 of vehicles. including and gliding), unpowered gliders and sailplanes (see lighter-than-air craft heavier-than-air craft (both fixed-wing balloon; airship). wing; see airplane; military aircraft), missiles (see rocket and missile system), space launch vehicles, and spacecraft (manned and unmanned).







NATIONAL CONFERENCE ON FUTURISTIC TRENDS IN MECHANICAL ENGINEERING NCFTME-2021

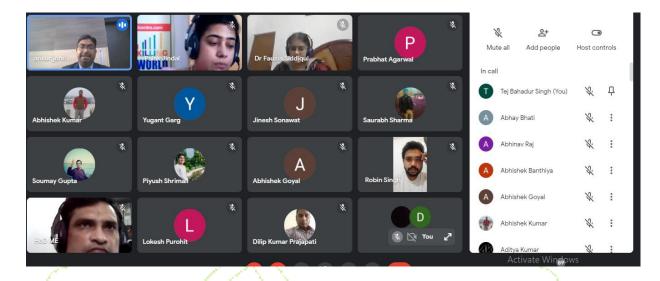
The 5th National Conference on "Futuristic Trends in Mechanical Engineering in Mechanical Engineering" (NCFTME-2020) was organized online by Mechanical Department, Jaipur on June 22-23, 2021.

Organizing such technical conference provides a platform where the researchers can expose their ideas of their research concern. They may also be able to listen and get aware of the recent trends in research and education in a particular field of their interest in the education of invited lectures from different subject experts.



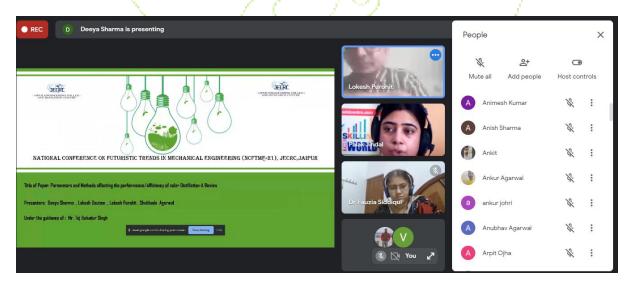
Building on the success of previous conferences which were held earlier has become the widest scale, extensive, spectacular event in conference history hosted by Department of Mechanical Engineering JECRC for its high level and the large size of participation. NCFTME 2021 national conference is a forum to bring together students, researchers, scientists and industry professionals to discuss innovative ideas and diverse topics on next generation of information technologies and services. This year due to CoVID-19 pandemic NCFTME-21 was hosted online through Google-Meet platform. This year we received around 50 papers.



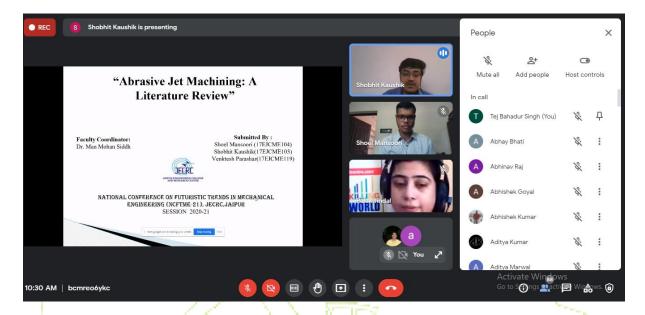


The first day of conference started with Welcoming and Opening Ceremony. Students, Researchers, faculty members were the part of conference, Dr. V.K Chandna, Principal JECRC addressed dignitaries & participants with short welcoming speeches. After that Dr M. P. Singh, HOD Mechanical Engineering, addressed everyone with his motivating & illuminating words.

This Conference aimed to bring together leading academicians, researchers and industry personals on a common platform to exchange and share their experience and research findings in the area of Futuristic Trends in Mechanical Engineering.

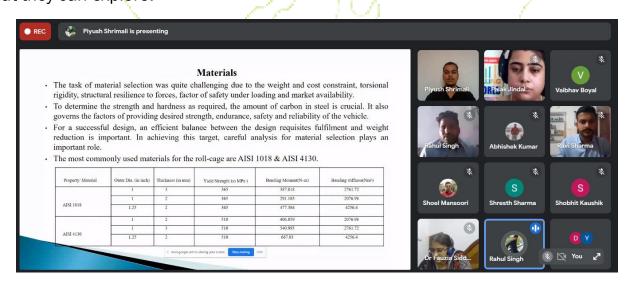






Also HOD express the gratitude to the Management for their consistent and unending support and also extended gratitude to Prof. V.K. Chandna, Principal, Jaipur Engineering College and Research Centre for his endless mentoring and untiring efforts to motivate to organize the Conference at such a large level.

The chief guest "Mr Ankur Johri" Manager Sales- Govt. Business and Transport solutions business, Noida interacted with the students and discussed latest areas that they can explore.

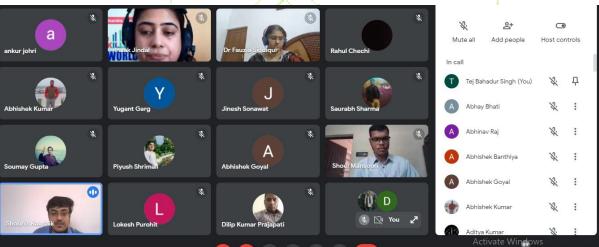




The guest told about the mechanical engineers can be at the forefront of developing new technology for environmental remediation, farming, and food production, housing, transportation, safety, security, healthcare, and water resources, also they told about their company's activities provide products and services for multiple industries — food and beverage, power generation and distribution, gas and oil production, manufacturing, pharmaceutical and biotechnology, agriculture and others.

The Conference ended with the vote of thanks by Dr. Fauzia Siddiqui, Deputy HOD, Mechanical Department, with a note of appreciation to all students, we have presented with new ways to deal with some of the challenges in today's era. We hope that the experiences and expertise shared will result in lifetime of knowledge.







ONE DAY WORKSHOP ON "RAPID PROTOTYPING BY ADDITIVE MANUFACTURING"

A one day workshop on "Rapid Prototyping by Additive Manufacturing" was organized by Department of Mechanical Engineering (JECRC ,Jaipur) for 3rd year & Final year students of mechanical Engineering on Tuesday 15th June, 2021.

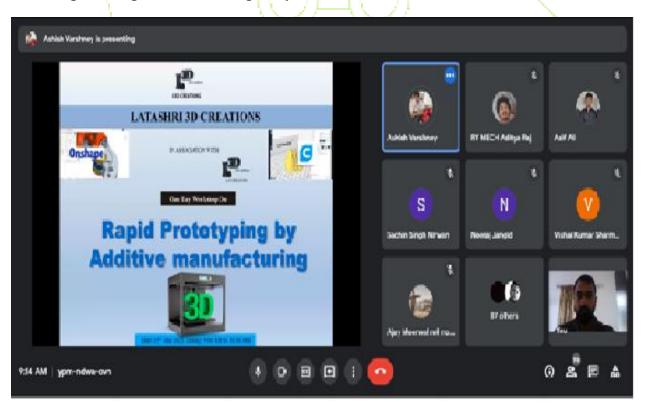
Akhilesh Paliwal (Assistant Professor) was the coordinator of this webinar &

Mr. Shubham Tiwari, Shivanshu Puri Goswami is student coordinator in webinar.

Mr. Akhilesh Paliwal (Assistant Professor) of mechanical department welcomed the resource person and participants and introduced the speaker Mr.Ashish Varshney with the participants.

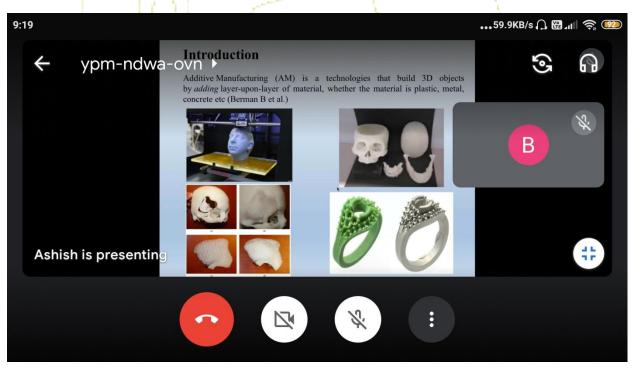
The webinar was focused on Rapid Prototyping by Additive Manufacturing:

- •What is Additive Manufacturing? where it is used?
- •What is Rapid Prototyping? What are its uses?
- •Basic Technologies in 3D printers.
- •Design on CAD with On shape.
- •Role of process parameters on quality.









PATHMAKER LEAGUE











Beating the Odds, Creating the Legacies!



जयपुर 28-09-2020



जयपुर 10-06-2021

जेईसीआरसी ने उत्तर भारत सहित राजस्थान में तोडा प्लेसमेंट रिकॉर्ड

प्लेसमेंट के अपने उत्कृष्ट टैक रिकॉर्ड में एक नई ऊंचाई हासिल की है जहाँ JECRC फाउंडेशन ने उत्तर भारत और विशेष रूप से राजस्थान राज्य में अब तक प्राप्त सबसे अधिक नौकरी के ऑफर के रिकॉर्ड को तोड़ दिया है। इस साल स्टूडेंट्स को जानी मानी कंपनी द्वारा 1935 ऑफर लेटसं प्रदान किए गए है जिनमें से 1150 ऑफर लेटर्स शीर्ष ग्लोबल आईटी कंपनियों द्वारा दिए गए है जिनमें एक्सेंचर, कैपजेमिनी, आईबीएम, टीसीएस, इंफोसिस, माइंडट्री, बिरलासॉफ्ट आदि शामिल हैं। इस साल के प्लेसमेंट सीजन का एक खास पहलु ये रहा के परंपरागत तौर पर कंप्यूटर साइंस के बच्चों को चुनने वाली आईटी कम्पनीज ने भी इस बार इलेक्टिकल, मैकेनिकल एवं सिविल जैसी कोर बांच के विद्यार्थियों को भी बराबर मौका दिया। इस बार अधिकतम सैलेरी पैकेज 41 लाख सालाना रहा

जयपुर | JECRC फाउंडेशन ने और 150 से ज्यादा स्टडेंटस को 7-12 लाख तक का पैकेज मिला है जिनमें से 35 प्रतिशत छात्राएं हैं जो की राजस्थान के छोटे कस्बों एवं गावों से संबद्ध रखती हैं।

जेईसीआरसी विश्वविद्यालय के वाइस चेयरपसंन अपित अग्रवाल ने कहा कि हमारा मानना है कि कुछ भी असंभव नहीं है और यही कारण है कि जेईसीआरसी ने प्लेसमेंट के शानदार ट्रैक रिकॉर्ड में एक नई ऊंचाई हासिल की है। हमारा उद्देश्य केवल छात्रों को रोजगार के अवसर प्रदान करना नहीं है. बल्कि नियोक्ता और उद्यमी भी बनाना है।

कैंपस रिक्रूटमेंट ट्रेनिंग : कोरोना की वजह से शिक्षण संस्थानों की तस्वीर अब बदल गई है। कक्षाओं के बाद अब प्लेसमेंट की भी प्रक्रिया ऑनलाइन ही शुरु कर दी गई है। जेईसीआरसी युनिवसिंटी ने इंडस्टी की जरुरतों के हिसाब से विद्यार्थियों को तैयार करना शुरु कर दिया है।

नेईसीआरसी ने उत्तर भारत सहित प्रदेश में फिर तोड़ा प्लेसमेंट का रिकॉर्ड

। 97 कंपनियां, 1994 प्लेसमेंट्स और इसमें भी 35 फीसदी लड़कियों ने मारी बाजी... ये महज आंकडे नहीं हैं बल्कि जेईसीआरसी की सफलता का प्रमाण हैं। प्लेसमेंट सीजन के तीसरे फेज तक 97 कंपनियों ने 1994 ऑफर लेटर्स प्रदान किए है। इनमें 35 फीसदी लडिकयां हैं। इस कोरोनाकाल में विद्यार्थियों को घर बैठे ही ऑफर लेटर मिला है। सबसे अधिकतम पैकेज 20 लाख प्रति वर्ष तक गया है। जेईसीआरसी के प्लेसमेंट सेल ने लगातार दिन रात काम किया है. जिससे की विद्यार्थियों को महामारी के बीच भी सखद और सुरक्षित भविष्य प्रदान कर सकें। विभिन्न कंपनियों के 100 से ज्यादा मानव संसाधान

गुरुओं द्वारा ऑनलाइन कीनोट सेशंस और 200 घंटे की कैंपस रिक्रटमेंट टेनिंग विद्यार्थियों को दी है, जिसमें स्टैटिक्स, एप्टीट्युड, कम्युनिकेशन, सॉफ्ट स्किल्स, टाइम मैनेजमेंट, स्ट्रेस मैनेजमेंट से संबंधित सेशनस से बच्चों को प्लेसमेंट के लिए तैयार किया गया। जेईसीआरसी यनिवर्सिटी के वाइस चेयरपर्सन अर्पित अग्रवाल ने बताया कि ये उपलब्धियां विद्यार्थियों और प्लेसमेंट सेल की अथक मेहनत का परिणाम हैं जिनकी वजह से इस सत्र में 39 नए नियोक्ताओं को भी जोडा गया। इसमें मल्टीनेशनल और दिग्गज टेक कंपनियों के साथ सर्टिफिकेशन और को-लेबोरेशन करना शामिल रहा है। इससे विद्यार्थियों को प्लेस करने में मदद मिली है।







Hardwork Perseverance Consistency Combination of all these Leads to the Huge Success of JECRC Placement Team.

We feel humbled when our accomplishments are appreciated by Leading Media House motivating us to work consistently for the dream career of our students.



PLACEMENTS AT A GLANCE

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Acadmia Guru	7
E2V	48
Keshav kripa	3
Planet Spark	1
Softsages	5
BYJU'S	1
Miracle	2
Just Dial	1



Alumni Speaks



For me the four years from 2008-2012 has been a transformation journey and not less than a roller coaster ride. The days usually starts with academics ends up late night preparing for some other events happening be it "Renaissance", be it blood donation and many others. The brilliant faculties of mechanical engineering department Kuldeep sir, Manish sir and the director of the institution Arpit Sir has left no stone unturned in making our transition from campus to corporate smoother, easier and faster. With all the guidance I managed to get placed from college not in one, not two but four organizations of repute and chose Apollo Tyres to start my corporate journey. Last year only after 6 years of corporate experience I have finished my 1 year full time MBA from IIM Calcutta with all the blessings and currently working as Specialist in Digital Consulting for L&T Infotech helping manufacturing clients across USA, Europe and Asia Pacific in their digital transformation journey. I would say even after passing out 8 years before I never felt I was not a part of JECRC Family. This institution builds lifelong relationships and this is the best part of it.

Pradhuman Shukla (2008 – till today)

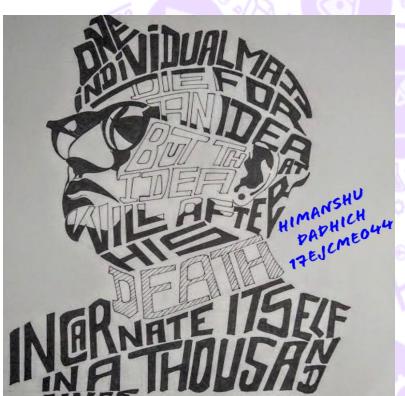








Artist Column









Artist Column



Prakhar Jain M.E

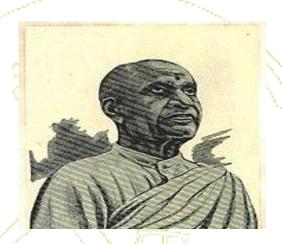


LIFE LOSES HALF ITS INTEREST IF THERE IS NO STRUGGLE-IF THERE ARE NO RISKS TO BE TAKEN.



ICONIC PERSONALITIES

<u>SARDAR VALLABHBHAI PATEL: THE MAN BEHIND</u> UNITED INDIA



Sardar Vallabhbhai Jhaverbhai Patel[needs Gujarati IPA] (31 October 1875 – 15 December 1950), popularly known as Sardar Patel, was an Indian statesman. He served as the first Deputy Prime Minister of India. He was an Indian barrister, and a senior leader of the Indian National Congress who played a leading role in the country's struggle for independence and guided its integration into a united, independent nation. He was one of the conservative members of the Indian National Congress. In India and elsewhere, he was often called Sardar, meaning "chief" in Hindi, Urdu, and Persian. He acted as Home Minister during the political integration of India and the Indo-Pakistani War of 1947. He subsequently organised peasants from Kheda, Borsad, and Bardoli in Gujarat in non-violent civil disobedience against the British Raj, becoming one of the most influential leaders in Gujarat. He was appointed as the 49th President of Indian National Congress, organising the party for elections in 1934 and 1937 while promoting the Quit India Movement.

As the first Home Minister and Deputy Prime Minister of India, Patel organised relief efforts for refugees fleeing to Punjab and Delhi from Pakistan and worked to restore peace. He led the task of forging a united India, successfully integrating into the newly independent nation those British colonial provinces that formed the Dominion of India. Besides those provinces that had been under direct British rule, approximately 565 self-governing princely states had been released from British suzerainty by the Indian Independence Act of 1947. Patel persuaded almost every princely state to accede to India. His commitment to national integration in the newly independent country was total and uncompromising, earning him the sobriquet "Iron Man of India". He is also remembered as the "patron saint of India's civil servants" for having established the modern all-India services system. He is also called the "Unifier of India". The Statue of Unity, the world's tallest statue, was dedicated to him on 31 October 2018 which is approximately 182 metres (597 ft) in height.



From the Diary.....

Little drops of water,
Little grains of sand,
Make the mighty ocean
And the pleasant land.

Thus the little minutes, Humble though they be, Make the mighty ages

Of eternity.

Julia Fletcher Carney



FACULTY PROFILE

DEPARTMENT OF MECHANICAL ENGINEERING



Dr Mahendra Pratap Singh Professor, HoD



Mr Manish Jain Associate Professor



Dr. Fauzia Siddiqui Professor (Dy.HoD)



Dr Bhuvnesh Bhardwaj Associate Professor



Dr Manish Srivastava Associate Professor



Dr. Rishi Pareek Professor



Mr Kuldeep Sharma Assistant Professor



Mr Lalit Kumar Sharma Assistant Professor



Mr Satyendra Kumar Assistant Professor



Mr Rajendra Kumar Gupta



Assistant Professor



Mr Akhil Vijay Assistant Professor



Mr Dayal Singh Rathore Assistant Professor



Mr Nitin Chhabra Assistant Professor



Mr Aashish Nagpal Assistant Professor



Mr Dilip Kumar Prajapati Assistant Professor



Mr Ravi Yadav Assistant Professor



Mrs Palak Jindal Assistant Professor

Mr Hukum Chand Nagar



Assistant Professor



Mr Tei Bahadur Singh



Assistant Professor



Mr Abhishek Kumar Assistant Professor







Mr Birsingh Sirowa Lab Instructor



Mr Rajendra Singh Naruka Sr Lab Instructor



Mr Hanuman Prasad Saini Sr Lab Instructor



Mr Hemant Naiwal Lab Instructor



Mr Narendra Singh Lab Instructor



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