



# E-MECHZINE



FOURTH ISSUE

JAN-JUN 2018



*Technocrat*



*Pathmaker League*



*Promulgation*



*Juke Box*



*Colloquium*



JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

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-MECHZINE". This is going to be a one stop 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-MECHZINE 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 "TUKER 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-MECHZINE a grand success. So sit back and enjoy browsing through the "E-MECHZINE". Happy Reading Folks!!!!!!*

*--The Editorial Board*

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## 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-MECHZINE” 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-MECHZINE” 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-MECHZINE “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-MECHZINE”. 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 E-MECHZINE 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 & MISSION

## VISSION & MISSION OF COLLEGE

### VISION:

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

### MISSION:

- Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.
- Identify, based on informed perception of Indian, regional and global needs, 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 & MISSION OF MECHANICAL DEPARTMENT

### VISION:

- 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:

- 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 modelling 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.

## PSO-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.

# *PROMULGATION*

“*A*

*RHYTHM*

*OF*

*EVENTS”*



## SEMESTER TOPPERS

<u>SEMESTER</u>	<u>SHIFT</u>	<u>NAME</u>	<u>%</u>
III	I st	<b>SHYAM PRATAP SINGH RAT</b>	<b>82.8</b>
	II nd	<b>VARUN GAUTAM</b>	<b>77.1</b>
V	I st	<b>PRASHANT KUMAR</b>	<b>80.6</b>
	II nd	<b>KRISHAN KANT GUPTA</b>	<b>81.2</b>
VII	I st	<b>YASH KUMAR GUPTA</b>	<b>82.4</b>
	II nd	<b>JAYESH GARG</b>	<b>77.1</b>

## FINAL YEAR PROJECTS



STUDENT NAME	PROJECT	GUIDE
Abhishek Rawat		
Mohit Pareek		
Raghav Gaur	Design and Fabrication of compressed air vehicle	Dr. M. P. Singh
Raja Janmejay		
Simran Susana		

STUDENT NAME	PROJECT	GUIDE
Vishvendra Singh		
Aijan Khan		
Gurjar Shrawan	Design and Fabrication of Solar power steam Engine	Mr. Manish Jain
Pushpendra Jangid		
Shivam Rawat		



STUDENT NAME	PROJECT	GUIDE
Shubham Khandelwal		
Shubham Rathi		
Vivek Sharma	Fabrication and mechanical testing of glass fiber based composite	Dr. Bhuvnesh Bhardwaj
Vivek Soni		



STUDENT NAME	PROJECT	GUIDE
Akshay Pal	Analysis of Solar vapour absorption system with different fluids	Dr. M. P. Singh
Jitendra Sharma		
Samaksh Jha		
Vijay Kumar Sharma		
Yash Sharma		



STUDENT NAME	PROJECT	GUIDE
Aditya Malik	Design and Fabrication of go cart	Mr. Satendra Kumar
Anirudh Jain		
Chirag Solanki		

STUDENT NAME	PROJECT	GUIDE
Shubham Garg	Analysis of fuel from plastic waste by pyrolysis Method	Dr. M. P. Singh
Shubham Shukla		
Subham Choudhary		
Suresh Choudhary		
Vaibhav Vyas		



# Moonriders



Moonriders is one of the teams in automobile club of college. Team has been representing college at various national level Automobile Events of Go-Kart, ATV, Baja etc. for many years now.

This year various teams represented college in IKC Season 2, which is 2<sup>nd</sup> season of a National level Go-Kart event hosted by SAE (Society of Automotive Engineers).

Virtual Round was the first round of IKC Season 2 and was conducted online where teams from nationwide participated and presented a prototype of their respective models and the Computer Aided Design of karts. The final rounds of event was hosted at Kolhapur under SAE. Team Moonriders was competent with other national level teams and performed very well. This event was held from 11.01.18 to 15.01.18

In NKRC Season 4, team achieved a great All India Rank in Business Plan for Go-Kart. Team had stepped into final rounds of Business Plan and was certain to achieve a great feat, but unfortunately event could not be continued further and thus, next rounds were not held which proved to be a setback. As of last update, team was on 8<sup>th</sup> rank in Business Plan Presentation



GEETA GYAN PRATIYOGITA @ SKIT 2018

Pankaj Mahrishi & Yadunandan Gautam students of Pre-final year Mechanical Department participated in Geeta Gyan Pratiyogita at SKIT, it was a Quiz competition & the students got 2nd position.



# EMERGENCY MEDICAL AID APP BY STUDENTS OF JECRC FOR PASSENGERS OF WEST CENTRAL RAILWAY

Students of Center for Apps & Ideas at JECRC have developed Emergency Medical Aid App (First of its kind) for passengers of West Central Railways. On 8th Feb, they were invited by officials of the Indian railways to demonstrate the app before the CMD and GM (Mr. Girish Pillai) of the same zone at Zonal office Bharatpur. They were awarded and extolled by the General Manager also. Students who have done this tremendous job were Pankaj Mahrishi— ME deptt Sumit Mittal- ECE deptt. Diksha Lath— IT deptt





## SESSION CHAIR @PIT



Dr. M.P. Singh HOD Mechanical Department attended the "International conference on Emerging Trends in Materials & Mechanical Engineering" as Session Chair at Poornima Institute of Technology, Jaipur on 29-30 January 2018.



## AICTE APPROVED QIP STC IN IIT BOMBAY

Mr. Rohit Goyal from Mechanical Engineering Department JECRC attended AICTE approved QIP STC in IIT Bombay dated from 4-8 June 2018. The topic of the course was "Biology for Engineers"

The main motivation of this course was to give some brief overview of biology subjects and how an engineer can contribute in it. This course helped us in getting insight on how engineers can contribute in medical field to improve the quality of life. This course was attained by engineers of different specialization, academician and researchers.



## FACULTY PUBLICATIONS

- Dr. M.P Singh research paper titled "To develop the model for improving the surface texture of deep groove ball bearing to optimize cutting parameter by using the methodology of design of experiment" was published in International Journal of Mechanical And Production Engineering, ISSN (p): 2320-2092, ISSN(e): 2321-2071, Volume-5, Issue-12, Dec-2017, (21-25) (UGC Approved Journal)
- Dr. M.P Singh research paper titled "EXPERIMENTAL STUDY OF CHARACTERIZATION OF AA6061 WITH SIC AND CSA " was published in Journal of emerging technologies and innovative Research , ISSN 2349 -5162, Volume-5, Issue-2, Feb-2018(126-136), (UGC Approved Journal)
- Dr. Manish Srivastava research paper titled " SUCCESS IS NOT BIASED TO WOMEN: NEED TO BREAK THE GLASS CEILING EFFECT" got published in International Journal of Research in Management & Social Science.
- Dr. Bhuvnesh Bhardwaj & Mr. Nikhil Jain research paper entitled "EFFECT OF Al2O3 POWDER IN DEIONIZED WATER ON MRR DURING EDM" got selected in SCOPUS Index Proceedings at SRM University Chennai.
- Dr. Bhuvesh Bhardwaj research paper entitled "DEVELOPMENT OF EMPERICAL RELATIONSHIP FOR SURFACE ROUGHNESS DURIN MACHINING OF METAL MATRIX COMPOSITES" got selected in SCOPUS Index Proceedings at SRM University Chennai.
- Dr. Bhuvesh Bhardwaj research paper entitled "STUDY OF SLIDING GEAR BEHAVIOUR OF ALUMINA OXIDE FILLED FIBRE COMPOSITE USING DOE" got selected in SCOPUS Index Proceedings at SRM University Chennai.
- Dr. Bhuvesh Bhardwaj research paper entitled "MULTIRESPONSE OPTIMIZATION OF MECHANICAL PROPERTIES OF RECYCLED PLASTIC USIN TAGGUCHI BASED GREY REGRESSION ANALYSIS" got selected in SCOPUS Index Proceedings at SRM University Chennai.
- Er. Nikhil Jain presented his paper in SRM university on 23 March 2018 on the topic "Effect of Al2O3 powder addition on material removal during EDM of AISIH11 die steel. Which got published in SCOPUS Journal.

## ISRO CHAIRMAN PADMA SHRI A.S KIRAN KUMAR @ JECRC



We were immensely overwhelmed to welcome the Chairman of ISRO in JECRC foundation on 6 Jan. 2018. He was the Chief Guest of the First Convocation of JECRC University.

He also visited JECRC college during which he visited Spiritual centre , different labs & newly inaugurated D-Block & Mechanical Deptt. Labs. We were really thankful to him for taking out his precious time for us



## 69TH REPUBLIC DAY CELEBRATION @ 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.





# JECRC

## Hackathon

10th-11th January 2018

A DIGITAL PRODUCT DEVELOPMENT PLATFORM

# 1.0



JECRC witnessed its first ever Hackathon on 10-11 January Inauguration of this 24-Hr event was done by our honorable guests Prof. Dileep N. Malkhede, Advisor AICTE, New Delhi and Prof. N.P.Kaushik, Vice Chancellor, Rajasthan Technical University, Kota. Also, we were honored to have Mr. Mohammad Imran khan, Web developer who has developed 75 mobile educational apps and donated all of them to Ministry of Human resource development (MHRD) as patriotic contribution to digital India and Ms.Nayani Nasa Manager, Start Up India , Invest India who is working as a dot connector between entrepreneurs and investors while facilitating their engagement with mentors, government, industry and academia.

We had a two level Scrutiny process to select the teams for the final event. The first round was a mentor level Scrutiny test organized on 4th January,2018 and the second level was done by external judges on 8th January,2018. We were very proud that about 300 teams registered and 152 teams were finally selected after going through 2 levels of mentor scrutiny. 768 students started coding and converting their innovative ideas into new developments on 10th January 2018. 12 judges and 123 mentors were there throughout the event to guide them & fertilize the raw brains of young talents with their experience.



Our esteemed panel of judges includes 6 persons owning start ups and the rest 6 are on reputed positions in various software fields. After 2 rounds of judging, finally 47 teams were ready for power judging and 21 teams reached the top and grabbed the prizes from our eminent academicians Dr. Ravi Kumar Maddila, Assistant Professor, Department of Electronics & Communication Engineering MNIT; Dr. Sanjeev Agrawal, Associate Professor, Department of Electronics & Communication Engineering MNIT and Dr. Ashish Kr. Ghunawat Assistant Professor, Department of Electronics & Communication Engineering MNIT. Our sponsors were- Engineer's Academy, Forsk Technologies and Road Ahead Technologies India Pvt. Ltd.



## ICETEAS 2018

conference on Emerging Trends in Expert Applications & Security was organised by JECRC in CS & IT department on 16-17 feb. . Eminent personalities from around the world were the part of this conference.

Prof Marcel Worring from University of Amsterdams, Mr. Aninda Bose, Sr. Publishing Editor, Springer Nature, Prof. Sheng Lung Peng from National Dong Hwa University, Taiwan and Prof M. P. Singh, Agra emphasized on the role of such conferences in bringing the thinking minds of the globe together on a single platform to find mutually beneficial solutions to common problems.

Dr. M.P Singh, Mr. Manish Srivastava & Mr. Lalit kumar Sharma from Mechanical department were the coordinators of the different sessions conducted at ICETEAS 2018.



## ALUMNI START UP MEET 2018

JECRC witnesses a historical event of the first ever alumni meet on 15 February 2018.

The day that ignited hopes in hundreds of hearts with their stories of the roads less travelled by, leading their paths towards a successful career. The JECRC trailblazers and JECRC achievers, who

at some point of time in their lives, refused to fit in the boxes, making a dent in the conventional employment ecosystem of the society and now, are roaring with success! JECRC is always a step ahead creating legacies and leaving trails for others to follow,. JECRC has set a

benchmark for an ecosystem of start-ups with an astounding 150+start ups, and 50+ selected start ups became the part of the first ever Alumni Start Up meet. 4 of the JECRC Alumni who recently got selected for RAS also shared their experiences.



## ICICT 2018 @ BRUNEL UNIVERSITY, LONDON

JECRC Foundation organized "International Conference on Information and Communication Technologies" at Brunel University, London (UK) on Feb. 27-28, 2018 in association with GR Foundation, City of Oxford College, London (UK), Springer and IEEE with an aim to provide opportunities for the Researchers, Academicians, Industry persons and students to interact and exchange ideas, experience and expertise in the current trend and strategies for Information and Communication Technologies. Research Scholars of 36 countries i.e. UK, USA, Japan, Germany, Russia, Australia, Thailand, China, South Africa, India, Pakistan, Netherlands, etc. will be participating in this conference. The Conference Chairs were Mr. Arpit Agarwal (Director, JECRC) along with Prof Cheri Fletcher, Executive Director and Head of College, City of Oxford College, Oxford (UK), Prof. Amy Neustein, Linguistic Technology Systems, NJ (USA), Simon James Fong, University of Macau, Macau. As organizers of the Conference, JECRC delegation of Dr. Vinay Kumar Chandna and Dr. Vijay Singh Rathore presented an address on this occasion.

JECRC Foundation was also conferred with an award of appreciation for its role in setting up this conference. The congress was concluded on 28th February.



# RENAISSANCE

The National level techno Cultural Fest of JECRC, Renaissance has made a niche for itself among all colleges in the region. It's the second largest fest of Rajasthan. It provides a versatile platform for all students to learn and explore the various dimensions of their personality and to showcase their talent. Renaissance also provides unmatchable learning and exposure to the organizing team of students in the form of team work, pressure handling and product sale and promotion.

JECRC RENAISSANCE 18 was inaugurated by Shri Arpit Agrawal, Director JECRC, Mr. Manish Jain, Deputy Director JECRC & Dr. V.K. Chandna Principal JECRC.



It was an interesting affair with the commencement of all Technical and Cultural events . Mechanical Engineering Department organized various technical events under Renaissance 18 to bring out various hidden talents in our budding engineers. The glimpses of which will be seen in pages ahead.



Fests and Fairs used to be the biggest attraction when we were kids. The aroma of cotton candy, the thrill of a merry-go-round. Everything attracted us in a way that can't be found in any other thing nowadays. The Bal Mahotsav was an opportunity to bring back those memories. The event that sees an annual footfall of more than 2500 students allowed all to dive into the nostalgia of childhood. An extravaganza of food and games that were enjoyed by all kids. The droplets of innocence once again drenched everyone at JECRC Foundation in 7th edition of "Zarurat- Celebrating Innocence".

We extend our heartiest gratitude towards our guests of honour, Ms. Sudha Varghese and Dr. S.B. Jhawar for gracing the occasion and making the day even more beautiful.



## R18 MECHANICAL ENGINEERING DEPARTMENT

### EMBRYO

This event aimed to tap the minds of budding mechanical engineers. The events was like a paper presentation in the symposium which helped students to think and come up with innovative ideas, also enhancing the on stage skills of the students. The topic given to students for the event was "Recent Trends in Mechanical Engineering". At first stage abstracts were submitted by students and were scrutinized by Faculty Coordinators. The papers were judged on the basis of their innovation, in depth knowledge of the field and presentation skills. The Faculty coordinators for the event were  
 Dr. Manish Shrivastava  
 Dr. Bhuvnesh Bhardwaj  
 Mr. Nikhil Jain  
 Md. Inzamam-ul-haq



### CADD MANIA

his event was organized to examine the soft skills of students .In this event participant were challenged to design 3D object on AutoCAD. The event was conducted into two parts. Quiz and 2D-drawing. The student who qualifies 1st stage was moved to the second stage. Contestants were given a 3D drawing and its all three views (F.V., T.V, and S.V.) were drawn with dimensions. Faculty Coordinators were  
 Mr. Lalit Kumar Sharma  
 Mr. Satyendra Kumar  
 Mr. Yogesh Dubey



## MIGHTY THROTTLE

for RC Car racers. The participants were instructed to build a Remote Controlled IC engine powered car to traverse a race track in the minimum possible time. The time track was composed of several turns with increasing difficulty levels. The problem statement was to "Build a Remote Controlled IC engine powered car to traverse a race track in the minimum possible time. The teams with the top best time to lap this track qualify for racing."

Faculty Coordinators were

Mr. Akhil Vijay

Mr. Tej Bhadur Singh

Mr. Virendra kumar Panday



## FORK LIFTER

ork lifter was about building a crane using wooden material suitable enough to place the given weights on a platform using only hydraulic mechanism.

In First round points were given to each crane on the basis of maximum weight it can lift for 5 sec. Points of this round were added in the final score. In second round

teams were given a task to perform, the task was of picking up blocks and placing them on the specified location. The qualified teams reach the final and in final round selected teams will have to build a building with blocks in given time. Points were given on basis of height and stability of building. Faculty Coordinators were

Mr. Satya Prakash Saini

Mr. Abhishek Kumar.

Mr. Manmohan Siddh



## PROPELLO

Propello was an event of making propulsion device with the use of compressed air. Material for construction was provided on the spot. Participants constructed the device within time limits. Propulsion rocket were powered with the help of pressurized water. Judging was done on the basis of time of flight, distance of path covered and trajectory of the device. Faculty Coordinators were

Mr. Ravi Yadav  
Mr. Nitin Chhabra Jain  
Mr. Dilip Prajapati



## CUT 2 DESIGN

Cut2design has the main motto to understand the Machine Drawing . In this regard, we have enclosed this event with 2 rounds. First round is for checking the theoretical knowledge about Machine drawing basics.

Then after second round about making three dimensional object of given 2D view. Faculty Coordinators were

Mr. Rajendra Kumar Gupta  
Mr. Gaurav Jain  
Ms. Palak Jindal



## R-MECH OLYMPIAD

A real test of engineering aptitude for the Mechanical Engineering students. The event was for JECRC students only. In first round 50 Basic Mechanical Engineering questions were answered in 60 minutes. Students who qualified first round were eligible for second round. Faculty Coordinators were

Mr. Vipin Goyal

Mr. Akhilesh Paliwal

Mr. Hukum Chand Nagar

Mr. Rohit Goyal



## BRAIN QUEST

A test of knowledge, exclusively in Mechanical Engineering discipline as a competition between Individuals and Teams as a form of awareness. It was comprised of different round question answer round, Dumb Charades round and last was the Buzzer round. Faculty coordinators were

Mr. Vipin Goyal

Mr. Akhilesh Paliwal

Mr. Hukum Chand Nagar

Mr. Rohit Goyal





THE BIGGEST OPEN INNOVATION MODEL  
**SMART INDIA  
 HACKATHON 2018**

Organizers: MHRD, PERSISTENT, RAKSHA BHAKTI, myGOV, NIC

**SMART INDIA  
 HACKATHON 2018**

JECRC was privileged enough to host SMART INDIA HACKATHON 2018 for the second year in a row. All the participants were excited at the time for the inauguration of the world's biggest Hackathon event, in JECRC campus Jaipur. All the dignitaries were also present to motivate the students.

The ceremony was witnessed by our esteemed chief guest Prof. A. P. Mittal, Member Secretary AICTE who motivated the participants to give their best shot. Honourable Minister Shri Prakash Javadekar addresses all the participants across the nation and declares the Smart India Hackathon 2018 ON!

Smart India Hackathon is the world's biggest digital innovation model of Govt. of India. We extend our heartfelt gratitude to Shri Prakash Javadekar, Ministry of Human Resource Development, Government of India for giving wings to the "Digital India" dream of honorable Prime Minister of India, Shri Narendra Modi. Our esteemed guest for the Valedictory Ceremony Col. Rajyavardhan Rathore's of Smart India Hackathon 2018 gave his remarkable presence by showering blessings on the participants and wishing them luck for their near future. He said, nowadays Information Technology reaches every field of today's scenario. Col. Rajyavardhan Rathore's gives a message "Necessity is the mother of invention." to all. He appreciated every single participant of SIH2018 and made them realize that winning is not important, instead coming out of the comfort zone and taking up real life problems is. At last, he proudly exclaimed, "India is in safe hands!"



Adding to this, the work by the student volunteers at JECRC was highly embraced by all. The collective efforts of all the members is the driving force for SIH 2018 to be a huge success! It was indeed a memorable experience for all of us.

The government of India gave the responsibility of hosting the biggest innovation model to JECRC for the second time in a row. JECRC remained in the limelight for the entire event SIH2018. Various leading newspapers covered the event. JECRC would like to thank all the print media for the great coverage of World's Biggest Hackathon. The Mega event SmartIndiaHackathon2018 was a huge success. JECRC is highly obliged by the immense support of all the judges and faculty leaders for their encouragement and resolute assistance to all the dedicated participants throughout the event



## ISRO @JECRC

"Knowledge teaches to walk but imagination gives you wings to fly."

ISRO Science Exhibition was organised in JECRC, university on 19 and 20 April 2018 in JECRC University, Jaipur for the second time in a row.s.

Students from more than 200 schools arrived at JECRC University for the two-day grand event i.e. ISRO National Science Exhibition. The enthusiastic students and visitors were very excited to see the amazing world of ISRO through the display of their scaled models. There was the National Science Quiz Competition organized by ISRO at JECRC University. The most interesting segment i.e. exhibition was going on at Auditorium with the dummy of three Launching Vehicles that is PSLV, GSLV, GSLV-3, five Satellite are INSAT-3D, IRNSS, ASTROSAT, GSAT, RESOURCESAT, INSAT-3D which are personally explained by Sh. BR Guruprashad to the student of CSE Department, Mars Orbital Mission and 29 Panel boards about the story of ISRO.

There was a 'Popular Lecture' on ISRO went into the Seminar hall having hundreds of students. This segment was organized by JU volunteers under the supervision of Ms. Ritu Sisodiya, Prof. Sapna Sharma, and Dr. Seema Bhadriya. The lecture was taken by the Dean of JU and ex-scientist of ISRO Prof. Ram Rattan, Dr. Guru Prasad (Scientist of ISRO) and HK Dawe. They all talked about the 'Mankind Contribution of ISRO'. Today's was also a session on 'Career Development and Internship opportunities in ISRO and Sac-navigation Satellite' by Prof. Ram Rattan and Sh. Neelesh Desai (Deputy Director of Communication Area SAC, Ahmedabad).





JAN-JUN 2018

# COLLOQUIUM

## CADD SEMINAR @ JECRC

CADD seminar was organised in Mechanical department on 19 January 2018 the seminar was taken by Mr. Rajeev Bhargava (Director , CADD centre, rajapark) talked the students of 2nd /3rd year about latest development in CADD technology, 3d printing, 3d scanner, Artificial intelligence in mechanical domain. He also added the use of CADD software like ANSYS, SOLID WORKS, HYPERMESH, CATIA . In the mechanical engineering and real word simulations. Students were thankful to HOD Sir & Mr. Satyendra for organising such technical sessions.



## SEMINAR BY ENGINEERS ACADEMY

A seminar was organized on 20 January 2018. The topic was “career options after B.tech”. In this session discussion about various career options were discussed by Mr. Sumit Gupta from Engineers Academy. He gave a PowerPoint presentation on different exams like GATE/IES/PSU'S JEN etc . At the end of the session he also discussed how students can become an Entrepreneur .



## INDUSTRIAL VISIT BY FACULTIES

Faculties of Mechanical department Mr.Vipin Goyal, Mr. Yogesh Dubey. Visited various Industries in & around Rajasthan for a special interaction with them & making sound technical relations which will help students in their training as well as upcoming placements.

1. Nitin Spinners, Bhilwara
2. RSWML Mayur Suitings Ltd , Gulabpura
3. Relience Chemotech, Udaipur
4. Wonder Cement, Udaipur



## INDUSTRIAL VISITS BY FACULTIES



Faculties of Mechanical department Mr.Vipin Goyal, Mr. Yogesh Dubey, Mr.Satya Prakash Saini, Mr. Akhil Vijay & Mr. Hemant Bansal visited various Industries in & around Rajasthan for a special interaction with them & making sound technical relations which will help students in their training as well as upcoming placements.



## GUEST LECTURE IN M.E DEPARTMENT

An expert lecture was organized by Engineers Academy on 3/2/18 @ Mechanical Department JECRC for the students of IV sem.



## RITDME 2018

International conferences have been organized on April 6-7, 2018 at Jaipur Engineering College and Research Center, Jaipur. The idea was to provide a common platform for researchers to learn and explore different dimensions with the motive to find solutions for the common good of the society. India is a country of traditions. Following the culture and rituals, the conference was inaugurated with the lightening of the lamp to seek blessings from goddess Saraswati.



The event was graced by the presence of Prof. (Dr.) Noe. G. Alba-Baena from University of Texas; Shri GunjanSaxena, General Manager in BSNL, Jaipur; Prof. (Dr.) Deepak Garg from Bennett University; Prof. (Dr.) Rajesh Kumar Tiwari from RVS College of Engg and Technology, Jamshedpur; Prof. (Dr.) Peeyush Chandra Retd. Professor of Mathematics from IIT Kanpur.



Prof. (Dr.) Meghanshu Vashista from Department of Mechanical Engg, IIT BHU; Prof. (Dr.) Purshotam Chaturani, Retd. Professor of Mathematics from IIT Bombay, along with Mr. Amit and Arpit Agrawal Director JECRC foundation and Prof V.K.Chandna, Principal JECRC, Jaipur. A video talk was also delivered by Prof. (Dr.) Paulo Haufs.



Prof. Noe G Alba Baena from UACJ Mexico, implanted the idea of changing the mindset of the youth from why to how. He emphasized on the fact that one should think overall changes that happen around him and should find reason on "how" it happens. He admired India a lot and told that we are fortunate to be in this country at this very crucial point of time as all advancement and technological development in each and every field are taking place in our nation. India is today the fastest developing nation with a huge number of young minds that can think beyond and bring change in the world. He praised the cultural diversity that our nation has and was moved by the hospitality that is embedded in our culture which he had found common all throughout the country.

The two day conference was divided into six technical sessions.



## Session- I and II

### Keynote Speech

RITDME started with the keynote speeches by Prof. Noé G. Alba Beana (UACJ, Mexico) and Dr. Meghanshu Vashista(IIT BHU, India).

Prof. Noé G Alba Baena has a Ph.D. from the University of Texas in Material Science and Engineering. He holds specialization in aluminum alloys, nano composites, Ultrasonic Treatment, Product design and Manufacturing Process. He delivered a keynote speech on the topic Advancement in Metal Matrix Nano Composite Processing. He told the session about the manufacturing, uses, and application on Nano composites. He focused on the future of Nano particles and what development can be done using this technology. This topic is a hot potato in today's world as each and every object is to be made as small as possible. This is a field that will have great applications in the near future. He persuaded the students to think over this topic and work in the field of Nano technology to bring innovative ideas and discover new dimensions.

**Session Chair****Session –III****Keynote Speech**

The third session started with the keynote speech by Dr. M L Meena. He is an Associate Professor. In Mechanical Engineering Department at Malviya National Institute of Technology, Jaipur. He delivered his speech on Ergonomics Strategies for Prevention of Musculoskeletal Disorders.

**Session IV(Day two)****Keynote Speech**

The day two of the international conference brought with it the Fourth technical session that was addressed by Dr. Ashok Kumar Sharma Head Department of Mechanical Engineering at Manipal University, Jaipur. He gave his keynote speech on Development of Performance Measurement Metric Framework to verify effectiveness of education and training pillar of Total Productive Maintenance. Session Chair

The session Chair for the fourth session was Dr. B K Sharma. He is currently the IFO Chairperson, Rajasthan Chapter. He had a rich experience of teaching and administration.

**Session-V****Keynote**

Dr. Varun Sharma from the National Institute of Technology, Jalandhar delivered the keynote speech.....

**Session Chair**

Dr. Vijay Sharma from Anand International College was the session Chair.

The session had a total of eight papers presented out of the eighteen papers that were registered. The session chair praised the efforts put in by the researchers and provided the valuable insights on how they can improve their research and proceed further with their work.

**Session VI****Keynote**

Dr. Jinesh Kumar Jain from Government Engineering College, Ajmer delivered the keynote speech on the topic Supply Chain Management.

**Session Chair**

Dr. Ravi Goyal from Bhartiya Skill Development University, Jaipur was the Session Chair for the sixth and the final session of RITDME.

The conference was a grand success and it was an abundance of knowledge and innovative idea.



## FDP ON “MATHEMATICAL MODELING & OPTIMIZATION OF INDUSTRIAL PROBLEMS”

Rajasthan Technical University, Kota and Jaipur Engineering College and Research Centre, Jaipur organized RTU (ATU) TEQIP-III sponsored FDP on “**Mathematical Modeling and Optimization of Industrial Problems**” from 01 May to 05 May, 2018. The aim of this FDP was to impart knowledge and training on different mathematical modeling and optimization techniques and their applications in various fields of Engineering and sciences.

The Real life problems are usually complex to solve because of multifaceted nature, large size, element of uncertainty and changes with respect to time and space. Moreover, they may have more than one solution to choose from. Such situations frequently arise in scientific applications and research which invite the use of techniques capable of handling real life situations. Many analytical tools of mathematical modeling and optimization are required for carrying out research and similar studies in engineering and technology. These techniques are useful in the industry for prediction, optimum use of resources, manpower planning and as an aid to six-sigma applications.

The FDP based on mathematical modeling and optimization of industrial problems, is of an interdisciplinary nature and aimed to equip the participants with the concepts of techniques and their applicability in various disciplines, through interaction with experts in this field. Faculty, researchers, research scholars and industry personnel interested in applying these techniques in their area of interest shall be benefited by participation. The objective of this FDP was also to provide a platform for interaction and exchange of ideas on recent trends in the field of mathematical modeling and optimization, and its applications in various fields of engineering and sciences.



Day 1, very first session was given by, **Prof. Jagdish Prasad Sharma** Retired Professor (Rajasthan University). He discussed on basic of statistical methodology useful for the development of mathematical models.

On the second day, **Dr. Amar Pathnaik, MNIT** delivered knowledge about importance of mathematical modelling and optimization using design of experiments followed by Taguchi methodology. In the second session, **Dr. M.L. Mittal, MNIT** discussed about the regression analysis and analysis of variance. In the final session of the day an extensive hands on training conducted on Mini Tab software for solving the problems based on Taguchi methodology by **Dr. Anand pandey**, Manipal University.

On the third day, **Dr. Bhuvnesh Bhardwaj** provided basic information about the response surface methodology followed by an extensive hand on training on design expert software for solving the problems based on Response surface methodology.

In the second session, **Dr. Jagdev singh** JECRC University discussed about the new methodology for mathematically modeling. In the final session of the day, extensive hands on training is done on design Expert software for solving the problems based on Response surface methodology by **Dr. Bhuvnesh Bhardwaj**.

On the fourth day, the first session started with the interactive lecture of **Mr. Satyendra Kumar**, JECRC on the basics of MATLAB programming which continued to the second session. The third session started with an extensive hands on training on MATLAB software for the implementation of optimization algorithm solving the by **Dr. Amit shrivastava** JECRC. He gave demonstration about the optimization tool box in MATLAB.

**Dr. Rajesh Kumar, Associate Professor** delivered lecture on the introduction and application of different nature inspired optimization algorithms for solving the complex optimization problems. He continued his lecture in second session.

**Dr. M.P Singh**, HoD M.E . extended his deep sense of gratefulness and profuse thanks to the Honourable Vice Chancellor **Prof. N.P. Kaushik**, Director of the JECRC Foundation **Mr. Arpit Agarwal**, Principal of JECRC College, **Prof. V.K. Chandna**, for their illuminating guidance, gifted approach, productive assessment and eternal support. He also thanked all the faculty and staff members of the Mechanical Engineering Department who provided support, talked things over, read, offered comments.



# PATHMAKER LEAGUE



## ***PLACEMENTS 2018***

NAME OF COMPANY	NO. OF STUDENTS	CTC
Accenture	5	3.8
TCS	1	3.6
Pinnecle	25	2.4
LiuGong India Pvt Ltd.	1	2.5
RMC switch Gears	3	2.2
Mira EVENT	1	3.5
Zucus	1	5.75
FEV	7	3.84
Sky way	1	2.2
APEAL Group	2	2.5
JUST DIAL	11	2.53
Capital Trust	6	1.8
Royal Enfield	1	4.5
JPL	2	1.95
Kapiashwar Infracon Ltd	13	3

## ALUMNI SPEAKS

### **KARTIKA MALPANI (2006-2010)**

I started with my academic journey at JECRC where I meritoriously graduated to be the only girl Mechanical Engineer of class in 2010. Soon after I joined HONDA, a prime automotive company in the world, working for their Research & Development division where I undertook myriads of projects in the field of automotive research, product innovation, sustainable technology & testing collaborating with teams in Thailand & Japan. I was fortunate to represent India at the Honda NHC World Convention in 2011 in Vietnam.

In the midst of my stint at Honda, I tuned into my passion for Creativity & Design Thinking and got selected in India's first & foremost design college, National Institute of Design to pursue my Masters in Strategic Design Management. This course resided at the intersection where Design learning honed at NID blends with strategic planning & management skill instilled at IIM Ahmadabad creating future leaders & business transformer.

In 2014 after completing my course, I worked for many leading product design houses and corporate such as Bosch and Info edge. Also worked as a Lead Designer and Strategist at naukri.com. India's top job portal, developing high impact websites & mobile apps. My expertise lie in the field of User Experience Design, Brand Development, Trend forecasting, Product Innovation & Design Management.

I extend my deepest gratitude to Arpit Sir & all the faculties of Mechanical Department for providing such a solid foundation and creative environment at JECRC.

All the Best!!!!!!!!!!!!

## FELICITATION DAY AASHAYEIN

Aashayein-The Life Saviours organised Felicitation ceremony at JECRC Foundation campus on 21st February, 2018 & felicitated all SDP donors and female blood donors,

Dr. Samit Sharma, Director, Social Justice and Empowerment, Rajasthan and Sh. Girish Sharma, Asian Paralympics gold medallist 2008 ignited the event as the guests of honour. The ceremony initiated with the lightening of lamp in reverence of goddess Saraswati, symbolising

the enlightenment in darkness and was illuminated with the benign presence of Sh. Amit Agrawal, Vice Chairman, JECRC Foundation, Sh. O.P. Jain, Senior Advisor, JECRC, Sh. Manish Jain, Dy. Director, Special Projects, JECRC and various other dignitaries.

A deep emotion reflected in everyone's eyes when beneficiaries shared their heartfelt experiences. More than 150 SDP donors and around 60 female donors were



felicitated by esteemed guests and dignitaries. Dr. Samit Sharma motivated the budding minds for keeping up this incentive of contributing to the society. Sh. Girish Sharma induced young donors to keep up their positive spirits and not let any difficulties or disabilities weigh oneself down. The ceremony culminated with a vote of thanks from Sh. Kuldeep Sharma, Faculty Coordinator, Aashayein-The Life Saviours and the vow to continue this humanitarian service to aid the society.



## HEALTH CHECK UP CAMP

*Bubbles of joy floating in the air  
Celebrating the innocence of kids  
Depicting a scene that is rare*



**Aashayein-The Life Saviours** in coordination with team Zarurat organised a health check up camp for the 300 children , who attended the Balmahotsav event of Zarurat creating an aura full of innocence and charming smiles at JECRC foundation campus.

A team of doctors from Mahatma Gandhi Hospital geared up the spirit in the successful accomplishment of the event. The children were teamed up in various groups and checked one by one . Each one of the children got his height and weight measured and along with this any special symptoms if present , were diagnosed by the doctors. A seminar was also conducted in order to guide children with their diet plan and propel both their physical and mental health. The health check up camp can be considered as a medium to spread awareness among the little kids and help bloom their laughter and endless fun . The event summed up with a positive response from the doctors and a lot of hopes for the innocent faces to build bright future in the upcoming years.



## 'ZARURAT- CELEBRATING INNOCENCE'

The droplets of innocence once again drenched everyone at JECRC Foundation the 7th edition of 'Zarurat- Celebrating Innocence' was celebrated on 24 March 2018.

The guests of honour were Ms. Sudha Varghese and Dr. S.B. Jhawar there presence graced the occasion and made the day even more beautiful.





JAN-JUN 2018

TECHNOCRATZ

## NEW PORTABLE BLOOD ANALYZER COULD IMPROVE ANEMIA DETECTION WORLDWIDE

Mr.Satyendra Kumar

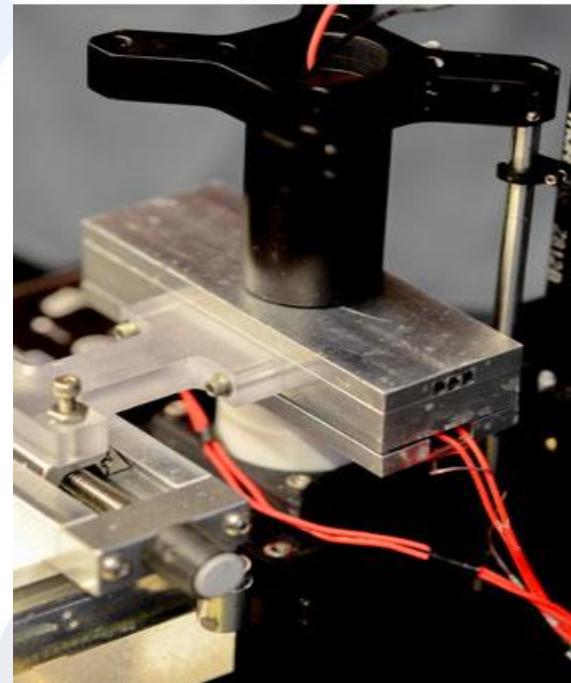
Mechanical Engineering researchers at the University of Washington developed a device smaller than a toaster that can detect the level of hemoglobin in whole blood samples using optical absorbance

"The most exciting aspect to this analyzer is that it uses whole blood and does not require the additional steps and reagents to prepare a sample," said author Nathan Sniadecki, Associate Professor in Mechanical Engineering at the University of Washington.

The analyzer takes advantage of the optical properties of blood, such as absorption and scattering, to measure hemoglobin concentration. Anemic blood transmits more light compared to normal blood, so the severity of anemia can be measured as a ratio of transmitted to original light intensity.

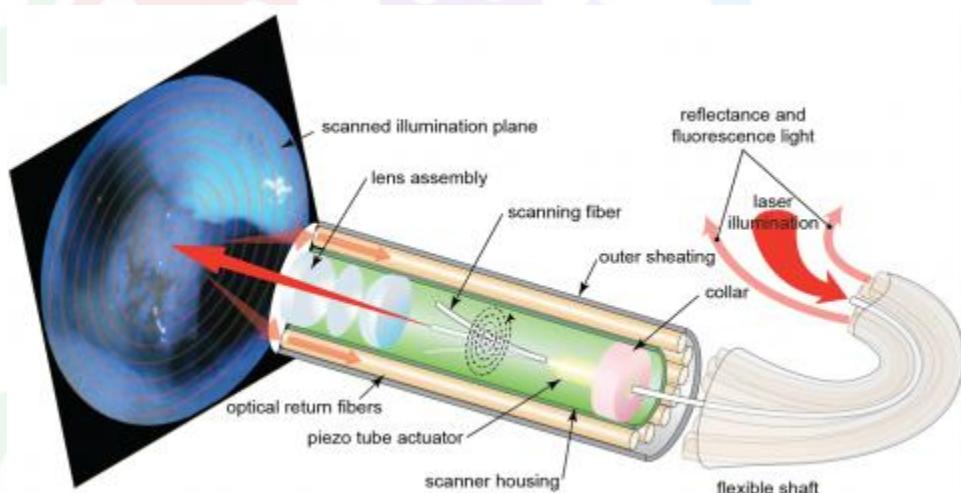
To simulate anemia, the researchers diluted blood samples with a buffer solution. The blood analyzer was effective at predicting cases of moderate to severe anemia, defined as less than 10 grams per deciliter of hemoglobin in a sample. The analyzer did not produce any false negative results.

The optical density of samples did not increase linearly, so a higher concentration of hemoglobin defines the upper limit of detection for the device.



## LASER-BASED CAMERA DEVELOPED AT UW IMPROVES VIEW OF THE CAROTID ARTERY TO ASSESS STROKE AND HEART ATTACK RISK

Mr.Satyendra Kumar



A unique application of a medical camera, developed by ME research professor Eric Seibel, could help physicians know who is at risk for a stroke or heart attack by providing a better view of potential problem areas. Seibel originally designed the scanning fiber endoscope for early cancer detection, and University of Michigan researchers have now used it to acquire high-quality images of possible stroke-causing regions of the carotid artery.

"The camera actually goes inside the vessels," says first author Luis Savastano, a Michigan Medicine resident neurosurgeon. "We can see with very high resolution the surface of the vessels and any lesions, such as a ruptured plaque, that could cause a stroke. This technology could possibly find the 'smoking gun' lesion in patients with strokes of unknown cause, and may even be able to show which silent, but at-risk, plaques may cause a cardiovascular event in the future."

The scanning fiber endoscope, or SFE, used in the study was invented and developed by co-author and UW mechanical engineering research professor Eric Seibel. He originally designed it for early cancer detection to clearly image cancer cells that are currently invisible with clinical endoscopes.



# *JUKE BOX*



## ICONIC PERSONALITIES

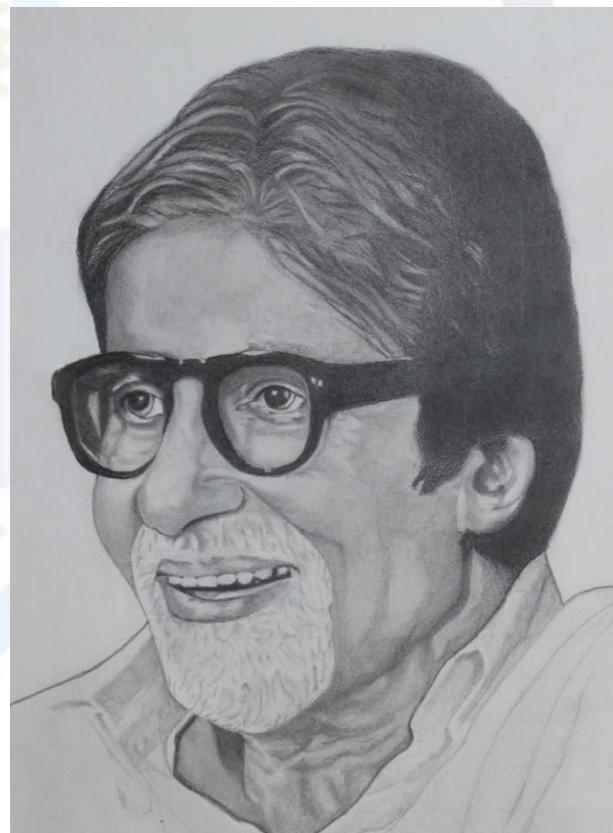
### *Shri Amitabh Bachchan*

**Sh. Amitabh Bachchan** is well known personality in India he is an Indian film actor, producer, television host, and former politician. He was born on October 11, 1942, to eminent poet Harivansh Rai Bachchan and Teji Bachchan.

He completed his education from Uttar Pradesh and moved to Bombay to find work as a film star, He first gained popularity in the early 1970s for films such as *Zanjeer*, *Deewaar* and *Sholay*, and was dubbed India's angry young man for his on-screen roles in Bollywood.

Referred to as the Shahenshah of Bollywood, Star of the Millennium, or Big B he has since appeared in over 190 Indian films in a career spanning almost five decades. He is well-known internationally, active in helping out in social issues and also connects well with the masses. His appearance on the TV show 'Kaun Banega Crorepati', gave a new lease of life to his career and helped him earn more fame. He is generally regarded as the star of the Millennium or the megastar.

**Sh. Amitabh Bachchan** is the first living Asian whose statue was modelled in London's Madame Tussauds Wax Museum. The Government of India honoured Bachchan with Padma Shri in 1984, the Padma Bhushan in 2001 and the Padma Vibhushan in 2015 for his contributions to the arts. Bachchan is an evergreen versatile actor. He has acted in movies like "Pink" and "Piku" which have contributed towards the betterment of the society. He was nominated for the Filmfare best actor award for "Pink" which was immensely influential. He has also narrated several films in his career. Though he played the role of the angry young man to perfection, he excelled in all types of roles whether romantic or comic. In 1984, he joined politics and was elected to the Parliament from Allahabad. He did not complete his tenure and resigned from his seat. He won the National Award for his role in 'Agneepath' (1990). He also acted in the Hollywood movie 'The Great Gatsby' (released in 2013).



## ICONIC PERSONALITIES

### Mr. Steve Jobs (1955-2011)

**Steven Paul** Jobs was an American inventor, designer and entrepreneur who was the co-founder, chief executive and chairman of Apple Computer. Apple's revolutionary products, which include the iPod, iPhone and iPad, are now seen as dictating the evolution of modern technology.

Born in 1955 to Two University of Wisconsin graduate students who gave him up for adoption, Jobs was smart but directionless, dropping out of college and experimenting with different pursuits before co-founding Apple with Steve Wozniak in 1976.

Jobs left the company in 1985, launching Pixar Animation Studios, then returned to Apple more than a decade laterly. In 2011, *Forbes* estimated the majority of Steve Jobs' net worth at around \$6.5 billion to \$7 billion from his sale of Pixar to the Walt Disney Company in 2006.

However if Jobs had not sold his Apple shares in 1985, when he left the company he founded for over a decade, his net worth would have been a staggering \$36 billion. Steve Jobs and Laurene Powell married on March 18, 1991.

The pair met in the early 1990s at Stanford business school, where Powell was an MBA student. They lived together in Palo Alto, California, with their three children. Although he remained a private man who rarely disclosed information about his family, it is known that Jobs fathered a daughter, Lisa, with girlfriend Chrisann Brennan when he was 23. Jobs died in 2011 following a long battle with pancreatic cancer.



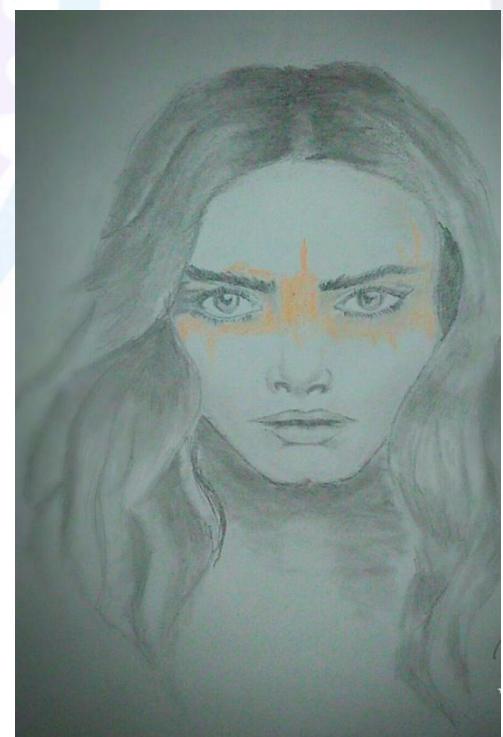
## ARTISTS COLUMN

Yash Jaitawat(Vth B)



## ARTISTS COLUMN

Udaishaya Sharma(Vth B)



## FROM THE DIARY.....

Shreekant Gautam

बाहर निकल के देख कहीं सवेरा तो नहीं,  
हवाओं की दोस्ती पक्षियों का पहरा तो नहीं,  
कहीं झरनों से पानी बह रहा तो नहीं,  
उमंग की दासतां कोई कह रहा तो नहीं,  
बाहर निकल के देख कहीं सवेरा तो नहीं।

समय बदल देगा हर मौसम ,  
कभी राहों को देख तो कभी सुन दिल की  
धड़कन ,  
मिल रहा होगा तुझे कोई न कोई सन्देश ,  
बस कर तू वही जो कह रहा है तेरा मन ,  
हर नयी शुरुआत का कहीं ये चेहरा तो नहीं,  
बाहर निकल के देख कहीं सवेरा तो नहीं।

## FROM THE DIARY.....

*HE WAS GOING TO BE ALL THAT A MORTAL COULD  
BE...TOMORROW.*

*NONE SHOULD BE STRONGER OR BRAVER THAN HE...TOMORROW.*

*A FRIEND WHO WAS TROUBLED AND WEARY HE KNEW,  
WHO'D BE GLAD OF A LIFT AND WHO NEEDED IT, TOO,  
ON HIM HE WOULD CALL TO SEE WHAT HE COULD  
DO...TOMORROW.*

*EACH MORNING HE'D STACK UP THE LETTERS HE'D  
WRITE...TOMORROW.*

*AND HE THOUGHT OF THE FRIENDS HE WOULD FILL WITH  
DELIGHT...TOMORROW.*

*IT WAS TOO BAD INDEED; HE WAS BUSY EACH DAY,  
AND HADN'T A MINUTE TO STOP ON HIS WAY;  
"MORE TIME I'LL GIVE TO OTHERS," HE'D SAY... "TOMORROW."  
THE GREATEST OF WORKERS THIS MAN WOULD HAVE  
BEEN...TOMORROW.*

*THE WORLD WOULD HAVE KNOWN HIM, HAD HE EVER  
SEEN...TOMORROW.*

*BUT THE FACT IS HE DIED, AND FADED FROM VIEW,  
AND ALL THAT HE LEFT HERE WHEN LIVING WAS THROUGH  
WAS A MOUNTAIN OF THINGS HE INTENDED TO DO...TOMORROW.*

# FACULTY PROFILE

## DEPARTMENT OF MECHANICAL ENGINEERING



Dr Mahendra Pratap Singh  
Professor, HoD



Mr Manish Jain  
Associate Professor



Dr Bhuvnesh Bhardwaj  
Associate Professor



Dr Manish Srivastava  
Associate Professor



Mr Kuldeep Sharma  
Assistant Professor (Dy. HoD)



Mr Lalit Kumar Sharma  
Assistant Professor



Mr Dayal Singh Rathore  
Assistant Professor



Mr Tejendra Singh  
Assistant Professor



Mr Satya Prakash Saini  
Assistant Professor



Mr Satyendra Kumar  
Assistant Professor



Mr Rajendra Kumar Gupta  
Assistant Professor



Mr Nikhil Jain  
Assistant Professor



Mr Shrikant Bansal  
Assistant Professor



Mr Nitin Chhabra  
Assistant Professor



Mr Akhil Vijay  
Assistant Professor



Mr Dilip Kumar Prajapati  
Assistant Professor



Mr Veerendra Kumar  
Assistant Professor



Mr Jitendra Kumar Gupta  
Assistant Professor



Mr Ravi Kumar Jangid  
Assistant Professor



Mr Aashish Nagpal  
Assistant Professor



Mr Ravi Yadav  
Assistant Professor



Mr Hemant Bansal  
Assistant Professor



Mr Hukum Chand Nagar  
Assistant Professor



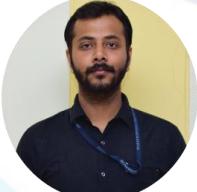
Mr Abhishek Kumar  
Assistant Professor



**Mrs Palak Jindal**  
Assistant Professor



**Mr Yogesh Dubey**  
Assistant Professor



**Mr Shashank Shekhar Singh**  
Assistant Professor



**Mr Gaurav Kumar Jain**  
Assistant Professor



**Mr Man Mohan Siddh**  
Assistant Professor



**Mrs Priti Pramod Bodkhe**  
Assistant Professor



**Mr Akhilesh Paliwal**  
Assistant Professor



**Mr Tejaram Saini**  
Assistant Professor



**Mr Tej Bahadur Singh**  
Assistant Professor



**Mr Rajendra Singh Naruka**  
Sr Lab Instructor



**Mr Hanuman Prasad Saini**  
Sr Lab Instructor



**Mr Hemant Naiwal**  
Lab Instructor



**Mr Sandeep Sharma**  
Lab Instructor



**Mr Anil Prajapati**  
Lab Instructor



**Mr Narendra Singh**  
Lab Instructor



**Mr Sunil Kumar Yadav**  
Lab Instructor



**Mr Birsingh Sirowa**  
Lab Instructor

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