

THIRD ISSUE

JUL-DEC 2017



PROMULGATION



COLLOQUIUM



PATHMAKER LEAGUE



TECHNOCRATZ



JUKE BOX

**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 step information guide on what's happening in our college & lots more!!!!!!

We are very excited to share that the success of "E-MECHZINE" has given birth to our NEWSLETTER which was published monthly & was highly appreciated.

Well for unleashing a person's creativity a proper medium is pre-requisite, 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 "JUKE 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"

Director's Message



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!!!!!!!!!!

Principal's Message



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.

Dr. V.K Chandna
Principal

"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!

***HOD'S MESSAGE***

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.



Dr. M.P Singh
HoD, Mechanical

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 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 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 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 lifeLong 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.

PROMULGATION

***“A
RHYTHM
OF
EVENTS”***

STUDENTS ACHIEVEMENTS

SEMESTER TOPPERS

<u>SEMESTER</u>	<u>SHIFT</u>	<u>NAME</u>	<u>%</u>
IV	I st	CHANDRA PRAKASH	79.9
	II nd	KRISHAN KANT GUPTA	80.4
VI	I st	YASH KUMAR GUPTA	79.5
	II nd	NEERAJ SHARMA	75.7
VIII	I st	HARSHVARDHAN ARYA	85.6
	II nd	RISHIL GUPTA	85.9

N K R C Virtual Round (July 8-9 2017)

“The Moto rids” is a group of 23 machine lovers who want to explore their field of interest practically as well as theoretically. These students registered themselves in a national level go kart event named “NKRC Season-4” in which 250 team registered for the event from different states. They went through round of this event on 8th- 9th July group of institutions, Indore in the virtual at Vikrant which students have to give presentation about what they are going to manufacture. It was a lifetime experience fighting for the 7 titles they have introduced in virtual round and because of the hard work and way of presenting students were awarded with the “Stig Award” and “Rs 10000” cash reward.



Moon Riders JECRC @ N K R C

A team of 18 students of Moonriders visited Radharamn Engg. College, Bhopal from 29/9/17-5/10/17



RTU Inter college Chess Tournament

Students of Mechanical Department participated in RTU Inter-College Chess Tournament Organised by Pacific Business School, Udaipur from 12-14 September 2017.

The tournament had 18 teams in total from which RTU main team was also selected in this team.

JECRC Chess team was runners up and Selected players were

Yeeshu Dwivedi - 3year, 5sem Mechanical

BITS Open Sports Meet 2017

The annual sports festival of BITS Pilani was organized from 21-25 September in which different sports events were organized and various countries participated, among all the participants Rajat Srivastav of 3rd Yr M.E participated in Swimming and won second position in 200m free style stroke. Manish, Hemant, Dhruv of 3rd Yr. M.E & Rajat, Shubham, Pankaj & Luvkesh of 2nd Yr M.E participated in Cricket tournament.

RTU Badminton Tournament

JECRC badminton team participated in RTU Inter University Badminton Tournament held between 02/09/2017 to 07/09/2017. Aditya Sharma & Sourabh Gupta participated in the event where Sourabh Gupta got the position of 1st runner up. Sourabh Gupta was also selected for All India University West Zone Tournament.



FACULTY ACHIEVEMENTS

Mobility Expert Talk (July 8 2017)

"IF YOU ARE WORKING ON SOMETHING THAT YOU REALLY CARE ABOUT, YOU DON'T HAVE TO BE PUSHED. THE VISION PULLS YOU."- STEVE JOBS

Dr. Manish Srivastava has participated one day seminar in **"MOBILITY EXPERT TALK"** at IIT Delhi on 08th Jul 2017. Event was organised by ISIE India. Intellectuals and various speakers from different parts of the country participated in the event



←
Dr. Manish Srivastava

QIP Short Term Course

on

"Enhancing Yield in Metal Casting" Attended by Er.Akhilesh Paliwal At IIT, Roorkee (July 10-14 2017)

A one Week QIP Sponsored Short Term Course on **"Enhancing Yield in Metal Casting Industries"** was organized by the Department of Mechanical and Industrial Engineering, Indian Institute of Technology, Roorkee during July 10-14, 2017. Twenty six Faculty members across the different states of India attended the course. It was focused on recent advancement and various defects in metal casting industry. We visited the different labs in department of mechanical and industrial engineering and prepared a job on investment casting.

Dr. D.B. Karunakar, IIT Roorkee, one of the coordinator of this course, talked about Overview of advanced casting processes and Selection and design of moulding

materials. Dr. D.K. Dwivedi, IIT Roorkee, another coordinator of this course, discussed about Melt treatment for sound castings, Grain refinement and modification of Al castings, Factors leading to various defects

ing - Enhancing yield properties through in-situ microwavcasting and present issue in industry.

Dr. A.M. Kuthe, Prof. & Head in CAD-CAM in NIT Nagpur, discussed about Design and analysis of castings with the help of computer assisted foundry and defect free design of casting.

Dr. Inderdeep Singh, IIT Roorkee, discussed about quality issue in processing of metal matrix composites. Dr. Pradeep Kumar, IIT Roorkee, discussed recent advances / applications in casting technology. Dr. S.R. Meka, IIT Roorkee, discussed about identification

and quantification of phases in microstructure by X- ray diffraction.

in casting. Dr. A.K. Sharma, IIT Roorkee, discussed about Factors leading to various defects in cast-



Sitting L - R : Ms. Khyati Tamta, Ms. Anagtha, Dr. Sudhir Kumar, Prof. D. K. Dwivedi (Course Coordinator), Prof. B. K. Gandhi (QIP Coordinator), Prof. Ashbir Singh, Dr. D. B. Karunakar (Course Coordinator), Dr. A. M. Kuthe (VNIT Nagapur), Dr. N. Yuvaraj
Standing L - R : Mr. K. Sri Ram Vikas, Mr. Balbir Singh Negi, Mr. Om Prakash Sahani, Mr. Vaibhav Gangwar, Mr. Vivek Kumar Pathak, Mr. Krishan Kumar Agarwal, Mr. Rajesh Kumar Patel, Mr. Kapil Kumar Patel, Mr. Mohan Maheshwari, Mr. Chandan Maity, Mr. Gyanendra Singh, Mr. Kunjee Lal Meena
Standing L - R : Mr. Shrawan Kumar, Mr. Rajesh Kumar Attri, Mr. Kunal Kishore, Mr. Tejendra Rawat, Mr. Shivansh Srivastava, Mr. Pankaj Kumar Rawat, Mr. Vaibhav Sharma, Mr. Shanti Parkash, Mr. Akhilesh Paliwal, Mr. V. Mallikajuna Kishan I, Mr. Vishwas Yadav, Mr. Sanjay Kumar, Mr. Amit Garg

Faculty Development Program (11–13 July 2017)

The faculty development program started with a brief Inaugural speech. The first session started with motivation of faculty members and to articulate about their expectations from the program.

The session helped to show the importance of understanding teach-

hence the expert showed the way to enhance the skills for drafting an impressive presentation. Time management is the most important aspect for anybody. Hence detailed deliberations were made for prioritizing and productive use of time as a measure of work life balance. The

titude with discussion on importance of aptitude topics in placements. The day ended with discussions about power writing with orientation on writing skills and focus on netiquettes plus effective email writing. The third day consist of an



ing as an art. It is a well-known thing that body language is a very important aspect of the personality of anybody. The expert tried to establish the importance of body language for the teachers as away to impression management in the work place. Presentation skill are very important aspects for professionals

session for the day ended with an interesting strategic game of the day.

The second day started with basic orientation, strategies, do's and don'ts for GD, Resume writing and PI. Which will continue to introduce the basics of Quant's/Logic /verbal for understanding the basics of ap-

orientation on face now portal for CBT. The session continued to highlight the roles of a mentor and mentees handling with orientation and guidelines to be a good mentor. The day and the Program ended with valediction speech and certificate distribution.

Short term course on “Applied Statistics for Experiments” attended by Er. Lalit kumar Sharma & Er. Nikhil Jain at MNIT Jaipur from 9-13 Oct. 2017

A short term course ASE-17 was organized by MNIT Jaipur from 9-13 October.

The course was started with inauguration by Dr. Uday Kumar Yaragatti Director MNIT. He explained the importance of Statistics in the area of Re-



search. Then Dr. Amar Patnaik gave the introduction about various statistical tools like Mat lab, SPSS, DOE, Excel, Six Sigma. The five-day course was addressed by dignitaries of educational institutes, industry experts, and experts from RSDO/IIT/Central universities. They gave an insight and shared their experience in the particular field. The course ended with certificate distribution by Dr. S.L. Soni.

Short Term Course in NITTR Chandigarh attended by Er. Satyendra Kumar from 6-10 Oct. 2017

A short term course was organized by NITTR, Chandigarh from 6-10 October. Mr. Satyendra Kumar from Mechanical Deptt. JECRC attended the course and has learnt new techniques in the field of FEM using ANSYS, DRINE TECHNOLOGY, 3D PRINTING, ADVANCE FEM AND MATHEMATICAL. Various experts gave their insights on these topics.



Best faculty Award

Four faculty members of the department received faculty appraisal from Dr. Vinay Kumar Chandna, Principal, JECRC on 01 Sep 2017.

DR. M. P. Singh (HoD ME) received the appraisal for his dedication towards the department.

Mr. Manish Jain received appraisal as a dedicated faculty member as well as for his extraordinary service in the department.

Mr. Kuldeep Sharma got appraisal as a dedicated and enthusiastic faculty member of the department as well as his contribution for placement.

Dr. Bhuvnesh Bharadwaj received the Faculty Appraisal for Best Faculty Award in M.E. Department.



SHORT TERM COURSE ON “PRODUCT DESIGN AND DEVELOPMENT” (7-11 NOV. 2016)

Department of Mechanical Engineering, JECRC, JAIPUR conducted a Short Term Course on “Product Design and Development” from 6 to 10 November 2017, in association with NITTTR Chandigarh. The entire program and the overall program was very satisfactory & learner-centric..

product Development. Mr. Manish Jain, Deputy Director JECRC, Jaipur, inaugurated the session & Addressed about importance of Short term courses and workshops in teaching and technical supporting staff at different levels covering new recruits as well as in-service

used on the practical knowledge in technical education , because it is the primary need of the industries . Dean I year Prof. U K pareek talked about technical knowledge and its importance rather than be the distinction in the UG programme .He talked about the importance of



The programme started with the lighting of the lamp by all the dignitaries who came in the inauguration ceremony of ICT based Short Term course on Product Design and Development.

First Dr. M. P. Singh , Head Department of Mechanical Engineering briefed about the short term course and talked about the objective of the STC and importance of STC . He discussed about the design and how the design can be improved ,what is the role of CAD and FEM in design and these are the design tool by using them design can be changed very easily. .Reverse Engineering and Rapid Prototyping are the key of

personnel. These are offered in a wide variety of areas subject matter updating, refresher courses, emerging rural and appropriate technologies, managerial expertise, Entrepreneurship development, research capability, emerging instructional systems, instructional materials development, multimedia development, laboratory experimentation and innovations, computer education, industry institute interaction, etc for enhancing competence of faculty members. HOD Physics Prof. R K Mangal fo-

classes and role of faculty in the class. Course coordinator Mr. VipinGoyal gave the vote of thanks to all the dignitaries , participants and students .



FACULTY PAPER PUBLICATIONS



1. Singh, M.P. and Pathak Priyanka, " Sustainable manufacturing concept: A Literature Review" International Journal of Engineering Technology and management research, Volume-4, Issue-6, July-2017, ISSN No.: 2454-1907. (IF:1745). [01-13]. (UGC Approved Journal)
2. Singh, M.P. and Saraf, Amit kumar "Effect of Dimple on Aerodynamic behavior of Airfoil" International Journal of Engineering and Technology, Volume-9, Issue-3, July-2017, ISSN No.: 2319-8613 [2268-2277]. (UGC Approved Journal)
3. Singh, M.P. and Panigrahi, Harekrishna "Studies on properties of polypropylene filled SEBS/MICA/SILICA blends for automotive applications" International Journal of Research in Engineering and Technology, Volume-5, Issue-7, July-2017, ISSN No.: 2347-8613 [27-30].
4. Dr. Bhuvnesh Bhardwaj attended Summer Internship Program entitled "Computational and Experimental Analysis in Industrial Applications in Mechanical Engineering" (May 22nd -July 5th, 2017) at MNIT, Jaipur (Raj.)
5. Dr. Bhuvnesh Bhardwaj got his Invention registered as Patent titled "APPARATUS AND METHOD FOR CLEANING INNER SURFACE OF HOLLOW OBJECT"
6. Research Paper entitled "Optimization of process parameter by using CNC Wire Electrical Discharge Machine through Taguchi Approach" has got selected in **World journal of Engineering and technology**.
7. Research Paper entitled "Study of wear characteristics of AISI D3 steel against AISI 1020 steel" got selected in International conference on emerging trends in engineering innovation and technology management, to be held on 16-18 Dec, 2017, NIT Hamirpur, Himachal Pradesh.
8. Research Paper entitled "An investigation on the sliding abrasive wear behavior of ultra high strength steel using RSM with BOX-COX transformation" got selected in International conference on emerging trends in engineering innovation and technology management, to be held on 16-18 Dec, 2017, NIT Hamirpur, Himachal Pradesh.
9. Dr. M.P Singh HoD M.E Deptt. Presented a paper entitled "**Aerodynamic analysis of NACA0012 Airfoil using CFD**" at ICMPE by World research forum for Engineers & Researchers.
10. Dr. M.P Singh HoD M.E Deptt. Attended an ICT based short term course organized by NITTTTR at JECRC from 18-22 Sept. 2017 .
11. Dr. Bhuvnesh Bhardwaj research paper entitled "**Development of empirical relationship for surface roughness during the machining of metal matrix composite**" got accepted at SRM University, International conference .
12. Dr. Bhuvnesh Bhardwaj & Mr. Nikhil Jain research paper entitled "**Effect of weight percentage of Titania in A380 alloy based MMC on mechanical properties**" accepted at IIT Rorkee.
13. Dr. Bhuvnesh Bhardwaj research paper entitled "**Study of sliding wear behavior of alumina oxide filled fiber composite using design of experiments**" got accepted at SRM University, International conference.
14. Dr. Bhuvnesh Bhardwaj & Mr. Nikhil Jain research paper entitled "**Effect of Al₂O₃ powder in deionized water on tool wear during electro discharge machining of AISI H11 die steel** " accepted at ICAME 2018.

18th Induction Ceremony

It was an unprecedented occasion for us as for the first time in history of JECRC, we hosted the Chairman AICTE, Dr. Anil Sahasrabudhe at our campus. Accompanying him was

ence of our aluminise who are doing wonders around the world and making us proud. Among these we had Ganesh Ram Jangir(2011 Batch - Information Technology). He is the

ogy). He is the Co-Founder of Thar Shipping lines situated in Bangalore. Winner of "Startup of the year - 2016, Best Young CEO award - 2016 by KPMG,NDTV and Aspire



Director AICTE, Dr. Manpreet Singh Manna.

The occasion was the 18th Induction Ceremony of JECRC as we welcomed Batch 2017-21. More than 1500, students, parents and faculty welcomed our dignitaries who spoke in length about the changing landscape of technical education in the country. The icing on the cake was the pres-

CEO of Newndra Innovations, Aditya J. Patwardhan(2011 Batch - Information Technology). Presently, he is the Director of Mithraspectt private Ltd., a film and media company based in Jaipur & Los Angeles, Vipul Saini (2010 Batch - Mechanical Engineering). Presently, he is posted as Assistant Commandant (DySP), Nishant Choradia (2007 Batch - Biotechnol-

gether, Akshay Jain(2004 batch - ECE). He is presently the Vice-President - Citibank India. .

On this occasion, certificates were distributed to meritorious students and awards were given to some of our colleagues recognizing their meritorious services.



Independence Day @JECRC

JECRC celebrated 71st Inde-

pendence Day with lot of zeal,

enthusiasm and patriotism in our hearts. The chief guest Prof. S.N Gupta Senior Advisor JECRC, hoisted the National

flag followed by the National Anthem. Chief guest than addressed the faculties & students with his kind words and the importance of freedom for up-coming generations and how

growth of our Country. After the speech patriotic songs were sung by the students and the function ended with a happy note.



One individual may die for an ideas, but that idea will, after his death, incarnate itself in a thousand lives.
-Netaji Subhash Chandra Bose

pendence Day with lot of zeal, enthusiasm and patriotism in our hearts. The chief guest Prof. S.N Gupta Senior Advisor JECRC, hoisted the National

flag followed by the National Anthem. Chief guest than addressed the faculties & students with his kind words and the importance of freedom for up-coming generations and how

growth of our Country. After the speech patriotic songs were sung by the students and the function ended with a happy note.

SPIC MACAY- A Door to Indian Culture

JECRC got the privilege to host an interactive session with PADAM SHREE Dr. KIRAN SETH Founder of SPIC MACAY on

started SPIC MACAY, a voluntary organization with the aim of promoting Indian classical music and culture

amongst youth. He was accompanied by Mr. Aniruddha Bhatt a JECRC alumna (CSE-2015). Dr. Kiran introduced us to the working process of SPIC MACAY. He told us about the yoga and its benefits and enlight-



ened the students on the science of Indian music and arts with the intellect level of individuals. His session



8 Sep 2017. Dr. Seth a well-known person in the field of arts is an Indian academician, Professor Emeritus in the department of mechanical engineering at the Indian Institute of Technology, Delhi. He



proved to be a doorstep for our students to the Indian music and culture.

Dr. Sanjeev Ohri, Vice Principal, Dudley College@JECRC



Dr. Sanjeev Ohri, Vice Principal, Dudley College, UK visited JECRC Foundation. He visited spiritual cell and also inaugurated

Mechanical Workshop.

He interacted with JECRC students and explored the possibilities in students and faculty exchange programme with Dudley college, UK.



SEMINAR on Sea & Beyond



A seminar was organized on 22nd September 2017 for the students of mechanical and electrical engineering department in JECRC Foundations.

The event was graced by the presence of the chief guest Mr. Tushar Sharma, The Deputy General Manager and the guest of honour Capt. Vichitra Kumar, Marine Superintendent of "Elegant Marine Services". The seminar was organised by Rajasthan Merchant Navy Officers Association and

Yuva Sathi Sangathan in association with Elegant Marine Services. The DGM and the Captain conducted a very interactive and enlightening session to create understanding in the minds of students regarding merchant navy as

tioning of the institution.

The students were made aware about the correct entry procedure and the ways to identify and avoid fraud marine institutes and hiring agents who often publish misleading advertisements in newspapers.

The students and staff of JECRC foundations were enriched and delighted by the words of wisdom from the esteemed guests. The Principal, HoD (ME), TPO (ME) & staff members were present in the seminar and motivated the students of various branches.



a career prospect. They threw light on the working process of the Merchant Navy, the different types of ships and the different departments involved in the smooth func-

JECRC @ VANDE MATARAM **8/12/17**

"Prosperity and strength of a nation is the outcome of its unity."

"Vande Matram" 2017 once again continues its legacy to unite the nation as more than 50000 people came together to proudly sing our national song.

JECRC believes in the national unity and proves this by its action as over 6000 students of JECRC Foundation along with 800+ faculty members marked their presence in this event.

Shri Amit Agrawal, Vice Chairperson JECRC Founda-

tion was the chief coordinator of Vande Mataram 2017 from Rajasthan Government side and has left no stone unturned for national unity.

JECRC Foundation thanked all the students and faculty members of entire JECRC Foundation for helping in making this event a massive success

**FREEDOM IN OUR
MINDS, FREEDOM
IN OUR WORDS,
PRIDE IN OUR
SOULS AND SA-
LUTE TO OUR
NATION!**





Swachhta Pakhwada @ JECRC

JECRC got the opportunity to organize "SWACHHTA PAKHWADA" an AICTE initiative. Several events were organized for 15 days, within the campus and near by places. Rallies were conducted during this week to create awareness among the students and faculties. Nearby hospitals was visited where maintenance of hygiene was checked and they were instructed on the

ways to maintain hygiene." Goner" village was visited on the 8th day of "Swachhta pakhwada" and hygiene related issues were taken into consideration. The orphanage " Apnagar" was visited on the 11th day , where our members spent a lovely time with the children there.

Contest like Essay writing, cleanest hostel room, and elocution were organized during the pakhwada weeks.

Goodies were distributed to all the participants and winners of the conducted events. We are really honoured to have such supportive departments who stood with us in every step of "SWACHHTA PAKHWADA".

These days passed within a wink of an eye, not only students participated with great enthusiasm but the faculties contributed their bit too.

"We can no more gain God's blessing with an unclean body than with an unclean mind. A clean body cannot reside in an unclean city." – Mahatma Gandhi





Dr. Niko Philips@JECRC

An international seminar cum interactive session was conducted on 1 Dec. 2017 by Dr.

JECRC. He visited Mechanical Dept. labs & appreciated the state of the art infrastructure.



Niko Philips, Group Director - International, Activate Learning, City of Oxford College.

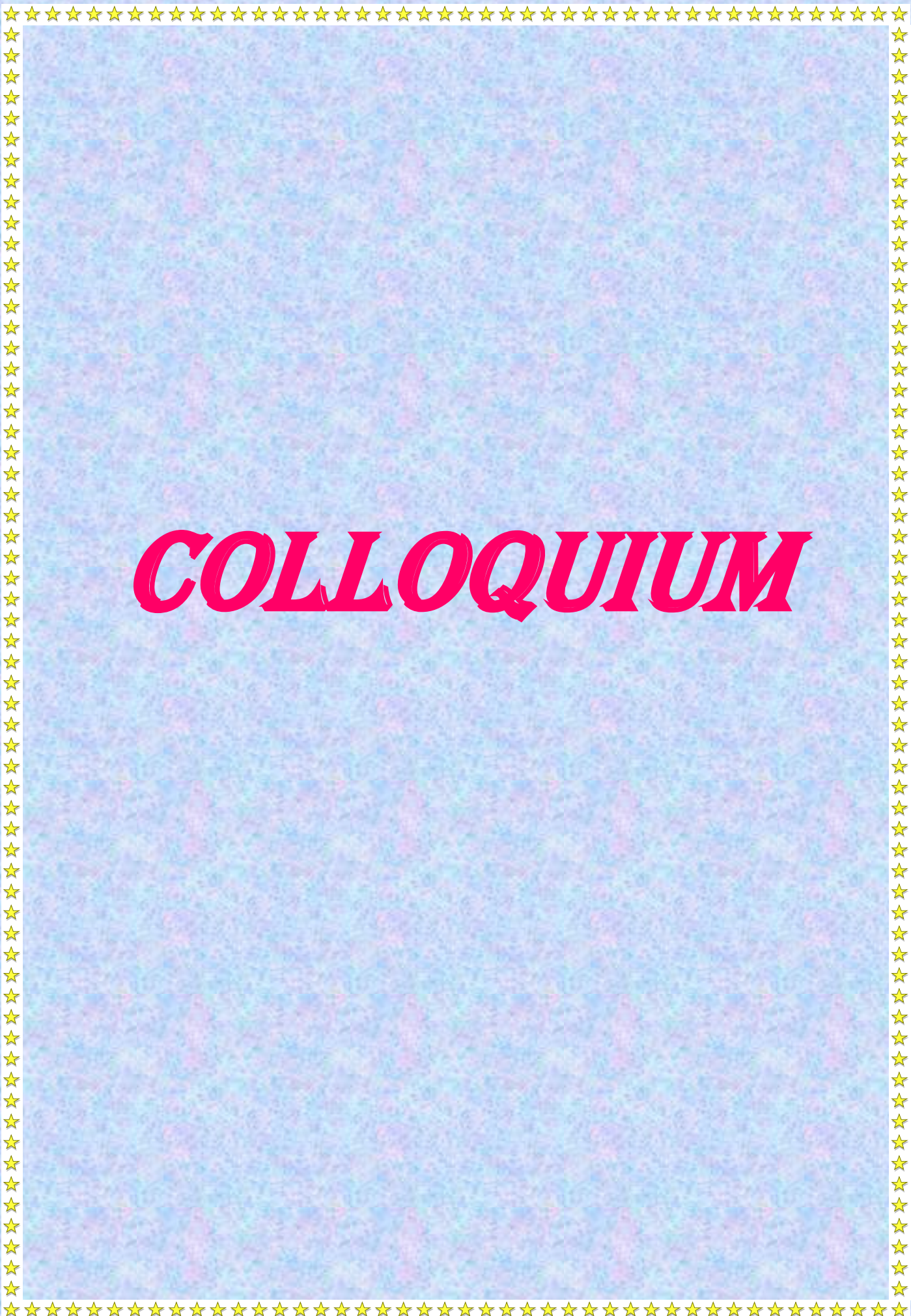
He was accompanied by Mr Amit Joshi, Advisor, GR Foundation. Prof Phillips delivered a lecture on Opportunities in Higher Education abroad. During the interaction, "JECRC-Hackathon" poster was also unveiled by dignitaries. Inspired by Smart India Hackathon, JECRC Hackathon will be conducted on 10th & 11th January 2018.



A MoU was also signed between Active Learning, City of Oxford College and JECRC for Long Term Relations as Franchisee, Technical Collaboration, Cultural Exchange

and Research Collaboration. Prof Phillips also inaugurated newly constructed academic block of





COLLOQUIUM

INDUSTRIAL VISIT at CIPET Ltd.

41 students of 3rd semester section C with two faculty members (Mr. Vipin Goyal and Mr. Akhilesh Paliwal) went on an industrial visit on 24-07-17. CIPET Members incharge of production received students at the entrance and gave a brief introduction of company and its product as well as safety tips.

It was an informative, interesting and a successful visit. As students of Mechanical Engineering, Students learned various process techniques and their products etc. Students expressed their thanks to the Principal and HOD who permitted them to go on the visit, the faculty mem-

bers who accompanied students and the officials who explained the various departments.

CIPET Centre in the state of Rajasthan was established in the year 2006 under the XIth Five year plan of Govt. of India with the 50:50 contributions from the Government of Ra-

jasthan and Central Government.

CIPET-Jaipur Centre is ISO 9001:2008 certified for Training and Technical Services and its Plastics Testing Centre is accredited by NABL for ISO 17025:2005 QMS & ISO 17020 and recognized by Bureau of Indian Standards (BIS).

CIPET-Jaipur is presently conducting short and Long Term Courses i.e Diploma in Plastics Testing & Quality Management (PGD-PTQM) also short duration operator training programmes in Plastics Processing / Injection Molding/ Extrusion/ CNC Milling /CNC Lathe etc. Also, CAD Department is conducting specialized training on various CAD software's AutoCAD/ Unigraphics / Creo /CATIA/Mold Flow etc. CIPET Centre at Jaipur is offering Techni-

cal Services in various disciplines of Design, Tooling, Processing, Testing & Inspection to the local Plastics Industries and playing a major role in the development of Plastic Industries in & around Rajasthan.



Expert Lecture by Engineers Academy

" We should not look to the technology to make teaching cheaper. We need to look

to it to make teaching better. We need to enhance, not replace, human interaction. We need to build on that which we already know to be effective. And we certainly must not allow the quest for efficiency to take the place of the quest

for excellence in our public educational system."

And for this an Expert lecture was organised on 11 Aug. for the students

IIT-Guwahati). In today's environment, hoarding knowledge ultimately erodes your power. If you know something very important, the way to get power is by actually sharing it. This lecture was one such occasion where our students were delighted with the knowledge shared.



of Vth Sem Mechanical Department on SOM by Mr. Abhishek Kumar from Engineers Academy Centre Head(B.tech

Guest Lecture by BABA Automobile

A Guest lecture on "RECENT INNOVATIONS IN AUTOMOBILE" was organised on 21 Aug.2017 for the students of Mechanical 3rd Sem.

BABA automobile is providing quality technical education facilities to every student, to develop professional skills that prepare them for immediate employment and for life-long learning in advanced areas of automobile and related field. To provide students

with a sound foundation in the automobile, scientific and engineering fundamentals

necessary to formulate, solve and analyses practical problems and to prepare them for training, to intro-

outside training programs, seminars, conferences, and workshop on continuous basis.



The experts from BABA Automobiles gave deep insights to students on the advancements in automobile sector and about the trainings they are offering to the engineering candidates to excel in their field.

duce them to professional ethics and codes of professional practice. Encourage organizing and participation of staff and students in-house and

Teachers Day in Mechanical Deptt.

In the honor of Birth Anniversary of second President of India, Dr. Sarvepalli Radhakrishnan, 5th Sept. is celebrated as Teacher's Day since 1962.

It creates a bond of faith between both the teachers and the students. The Teacher's Day was also celebrated in the Mechanical Engineering Department of JECRC

foundation. The students of 5th semester managed the event in a good manner. There was peace and pretty environment everywhere. All students welcome the teachers in a proper way. Welcome speech

was delivered by Pankaj Maharashi in honor of the teachers. The event started by cutting of cake. HoD Sir of ME Depart-

partment were also invited to deliver some thoughts, Mr. Kuldeep Sharma, Dr. Manish Shrivastva, Mr. Lalit Kumar

Sharma, Mr. Yogesh Dubey, Mr. Abhishek Kumar, Mr. Manmohan Siddh and many more teachers shared their experiences with the students and give them the



ment Dr. M.P. Singh was invited on the stage to share his experience on the event and to give the right direction for future of the students. They share their own experience of life to get succeed. Some more known personalities of de-

right path of success. The whole event was very exciting and the event was ended with some refreshment to faculty members and staff.



INDUSTRIAL VISIT

MICRO SMALL AND MEDIUM ENTERPRIZATION (MSME) JAIPUR

BY M.E DEPTT. JECRC ON 06-09-2017

B. Tech. III year, V sem. A section 45 students with three Faculty members of Mr. Vipin Goyal, Mr. Rajendra Kumar Gupta and Mr. Hukam Chand Nagar visited the MSME, 22 Godam, Jaipur .

(I) CNC lathe Machine Section

First students visited the CNC machine section where the very robust machine was there. Mr. Rakesh Bangha Superintendent told This machine is very useful for achieving the high accuracy and mass production

The machine model was PUSHKAR



200

(II) CNC Milling Machine Section

Then the student visits the CNC milling section where they saw the model VMC 400 of the CNC milling machine. This machine is used

works on the principle that when even low current is fluctuated through the conductor, a very high heat is generated. That heat is used to cut the sheet metal by giving motion to the wire.

(IV) Surface grinding and finishing section

Then students visited the surface grinding and finishing section where there were many machine for grinding and finishing different tools and workpiece.

(V) CAD- CAM lab

Then the students went to CAD lab. The instructor there told the students about different designing, modeling and simulation software and basic of all of them.



mainly for high accuracy moulds and casting processes.

(III) EDM wire cut machine

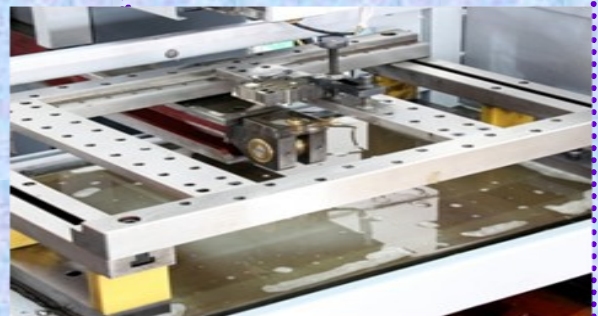
EDM stands for electric discharge machine. EDM wire cut

(VI) 3-D scanner and printer

Then students saw a 3-d printer and scanner. The 3-d printer works on additive technology. It is a new technology. In the 3-D printing the product is made by layer by layer by adding layers one after one over each other.

(VII) Solar cell section

Then students visit the solar cell section. The MSME trains the student and various small industries about the solar



cell maintenance and installment so that they can help in growth of renewable energy.

Visit to Mahatma Gandhi Hospital to Study About Biomedical Waste Management

Students of Mechanical Illrd year visited Mahatma Gandhi Hospital on 14th Sept. 2017 during Swachhta Pakhwada campaign

Members Mr. Ravi Yadav and Mr, Shashank Shekhar Singh to study about the complete biomedical waste management process . The

and gradually move towards a sustainable sustainable system in order to achieve a healthier environment, mind and body.

It's the time that our youth should take a lead in this vital area of health care. Students were very happy to be a part of this campaign and learning about different ways of



@JECRC along with two faculty aim was to make improvements waste management .

Engineers Day @ JECRC M.E Deptt.

The Engineering Community across India celebrates Engineers Day on 15 September every year as a tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya.

As is our custom, this year too, this day was celebrated with great enthusiasm and zeal across all the departments of JECRC. In Mechanical Department various activities were conducted which attracted a lot of student-teacher participation. Technical Dumb Charades was a fun activity which was well responded by

students. Poster Designing Competition, Quiz cheer and motivate the participants. The events and Extempore were another events organised were graced by the presence of our Director,

Arpit Agrawal sir, Principal, Dr. V.K. Chandana sir, Vice Chairman, M.L.Sharma sir and Director Social Initiative, O.P.Jain sir.



in which winners were awarded prizes. Mr. Hemant Bansal and Mr. Shrikant Bansal were the program coordinators. Most of the faculty members of Mechanical Dept. including our HOD, Dr. M.P. Singh were also present to



3-D Printing Workshop by SKYFI labs

A workshop on 3-D printing was organized by Mechanical department for final year students on 25-26 October -



File (AMF) file. Stereolithography (STL) is one of the most common file types that 3D printers can read. Thus, unlike material removed from the stock in the conventional

ing used in popular vernacular to encompass a wider variety of additive manufacturing techniques. United States and global technical standards use the official term additive manufacturing for this broader sense. In this workshop students learned application/use of 3D printing and machine code (M/G codes). Students also developed the new 3D printer in the department.

machining proc-



tober in association with SKYFI Labs (Bangalore). The faculty in-charge was Mr. Satyendra Kumar. 3D printing, also known as additive manufacturing (AM), refers to processes used to create a three-dimensional object in which layers of material are formed under computer control to create an object. Objects can be of almost any shape or geometry and typically are produced using digital model data from a 3D model or another electronic data source such as an Additive Manufacturing

ess, 3D printing or AM builds a three-dimensional object from computer-aided design (CAD) model or AMF file by successively adding material layer by layer.

The term "3D printing" originally referred to a process that deposits a binder material onto a powder bed with inkjet printer heads layer by layer. More recently, the term is be-



Workshop by BAJA TUTOR
@
JECRC



A workshop by BAJA tutor was organised in JECRC on 1-2 Dec 2017 for Mechanical Engineering students in which they taught students about assembling & disassembling of the automobiles.

The workshop was of two days with different sessions, students got to know about complete knowledge of the automobiles. Students were thankful to HOD Mechanical Dr. M.P Sing & Mr. Kuldeep for organising such innovating workshops.



MECHANICAL

Pre-Placement Mock Drill July 20-5 Aug. 2017

THE FUTURE BELONGS TO THOSE WHO BELIEVE IN THE BEAUTY OF THEIR DREAMS"

And to help them achieve their dreams, A Pre-placement mock drill was organized for the students of Mechanical final year to prepare them for the up-



FACE which is placement prep organisation has come to JECRC during the period and the faculties from FACE guided our students and prepared them for different tests during the placement.



coming placements. Different rounds were held for which faculties of the department were appointed to take the Technical, HR and Group discussions. Students were given grading accordingly and were told about the improvements needed.



Face Special Lecture on 18 Aug.2017

FACE is a placement preparation institute providing assistance to the students in getting through the placements, Connect

and aptitude questions. Take mock tests. Move closer to your dream job. One such special lec-

ture from FACE have come to the JECRC campus and gave the students tips & techniques for Aptitude, Reasoning, G.D



with a pool of experts and students across India. Get detailed information about the latest recruitment patterns of top Companies. Share campus interview experiences

ture was organised for the students of Mechanical final year to help them crack the different tests in the placement procedures. Different Experts

& H.R rounds.

Alumni Session on 24TH Aug.& 27TH Aug.2017

Alumni sessions were organized by mechanical department on 24 Aug & 27 Aug for the students eligible for upcoming placement drive of Accenture.

Two sessions were organized in this session and our Alumni of 2017 batch were among the motivational speakers. In first session Mr. Rishil Gupta (got selected in Accenture & TTL) motivated the students and gave them the tips & techniques to get through the placements.

The second session on 27 Aug. was given by Mr. Anurag Verma who got

placed in Accenture & Mr. Anshul Khandelwal who got selected in Accenture & TTL. Our Alumni shared their experience of getting placed & the beautiful journey they had in JECRC and told the to believe in yourself and to remember if the situation is not going according to you than pick yourself up, remind yourself why you're amazing, and try again for a new role.

Students were really thankful to Mechanical Dept. and specially to Mr. Kuldeep Sharma & Mr. Akhil

Vijay for organising such motivational sessions.



Pre-Placement Interdepartmental Training on 8TH&9TH AUG. 2017

A Pre-placement drill was organised on 8–9 Aug 2017 following

In this the departments were inter-changed and Different rounds were

needed. These kind of activities have helped student in knowing their weak



the previous mock drill to get through the students with actual placement procedures.

held for which faculties of the department were appointed to take the Technical, HR and Group discussions.

and strong points and how to workout on them.

Students were given grading accordingly and were told about the improvements

Special pre placement lecture for Pinnacle Info Tech Ltd. by Mr.Shrikant Bansal & Mr. Nitin Chhabra

A special lecture was organized by Mechanical Deptt. On 10 sept.2017

cle Infotech. The topic was basics of “Engineering Drawing” and it helped

Bansal & Mr. Nitin chhabra for their valuable time & knowledge.



for students of M.E, E.E & Civil for their upcoming placement of Pinna-

students a lot in their placement. Students were thankful to Mr. Shrikant

PLACEMENT

OUR STAR ACHIEVERS



On 2 Sept. 2017 Placement drive was conducted at JECRC by **Accenture** in which following students from M.E were selected .

Shubhank Sharma
Shahjade Alam
Aishwarya Johari
Dhruv Ladha
Mayank Sharma

Another Placement drive was conducted at JECRC by **Pinnacle Info tech Ltd.** On 11 Sept. 2017 in which 25 students got selected from M.E

Akshay Galav

Anmol Rajawat
Arpit Gupta
Nayan Singh
Pallav Pandey
Piyush Kataria
Rahul Gupta
Satyam Jain
Sourabh Mangal
Shobhit Yadav
Shubham Garg
Shubham khandelwal
Shubham Rathi
Vaibhav kumar Garg
Vinod Kumar Patel

Vishal Sharma
Vivek Sharma
Vivek Soni
Yash Kumar Gupta
Akshay Darshan Singh
Vaibhav Mishra
Arun Shringi
Harshit Sharma
Mohit Pareek
Simran Susana

Students were thankful to all the efforts done by college, HOD Dr. M.P Singh & Training Placement officer of M.E Deptt. Mr. Kuldeep Sharma & Mr. Akhil Vijay

**STAR ACHIEVERS
MECHANICAL
PLACEMENT 2017-2018**

Mechanical final Year students got placed renowned companies in campus interview in the month of September, October & November.

- Arpit Natani- Apeal group
- Mahak goyal-Apeal group
- Chirag Solanki- Capital Trust
- Om prakash yadav- Capital Trust
- Akshay pal- Capital Trust
- Gaurav lodha- Capital Trust
- Himanshu acharya- Capital Trust
- Harichand goswami- Capital Trust
- Devesh purohit-JPPL
- Shivam rawat-JPPL
- Rajat karwa-Just Dial
- Akhil kuldeep -Just Dial
- Yash verma-Just Dial
- Vijay kumar Sharma-Just Dial
- Mudit garg-Just Dial
- Anirudh kumar jain-Just Dial
- Anuj yadav-Just Dial
- Dhruv khandelwal-Just Dial
- Pankaj Sharma-Just Dial
- Chandra pratap-Just Dial
- Ankur kumar pareek.-Just Dial

PATHMAKER



LEAGUE

Joy of Giving by Zarurat @ JECRC

The greatest joy lies in bringing happiness to others' lives. Every little effort that goes into this noble cause is commendable.

This "Daan Utsav - Joy of Giving Week"

in the lives of the toddlers who would become the better future of the Nation, the third act of giving consisted of a Spiritual session for the kids at the Spiritual Cell of JECRC Foundation.

their creative skills as well as spreading awareness about environmental issues .

Day 7-final chapter of the Joy of Giving Week saw the Goodie bags being distributed among the toddlers, spreading de-



was celebrated by Team Zarurat with full zeal and zest in JECRC Foundation from 4th to 10th October 2017.

Day 1- To inculcate the same values in those young spirits, the first chapter of The Joy Of Giving Week initiated with a Sports Day celebration, spreading out the joyous laughter on those most innocent faces.

Day 2- The second chapter of the "Joy of Giving Week" continued with a movie session to inculcate these virtues in the kids.

Day 3-Building the same moral values

Day 4- The fourth day of The "Joy of Giving Week" was dedicated to this delicacy, as the kids enjoyed their bowl of yummy & tasty Maggi.

Day 5- The fifth day of the Joy of Giving Week was a special one as the kids visited BM Birla Planetarium & learned about the solar system & outer space explorations .

Day 6- Keeping this in mind, Day 6 of the Joy of Giving Week was about 'Best out of Waste' activity in which the kids were taught how to make paper bags using simple & easily available materials. Thus, enhancing

lightful smiles on their innocent faces.





Childrens Day by ZARURAT

Children are the most carefree creature of all.

Some are shy, some bold, some are active while others little quiet. But these are the ones who live their lives to the fullest.

Team Zarurat celebrated Childrens Day on 14/11/2017 as It is the day of celebrating all these peculiarity that come along with childhood. The day when all grown-ups dive into nostalgia. Here are some glimpses of the day



“6 years of ZARURAT”

20th November

A journey is not just about destination. It's more about milestones that come across.

6 years ago, a very beautiful journey began with nothing but only hope & devotion, when the foundation stone to this noble endeavour was laid. With each passing year, Zarurat have added more and more accomplishments and have seen great heights.



BLOOD DONATION@JECRC



*A journey to save some lives
Helping smiles thrive
Each blood drop is elixir
Like gems that are rare
Let this chain go till infinity
Let blood bind us till eternity*

Aashayein-The Life Saviours organized a Blood Donation Drive on October 11th, 2017 in JECRC Campus, JECRC University and JECRC UDML. The day long blood donation camp was organised with a prime motive to unfurl awareness and enhance smiles of the one's in need. The youth showed active participation with high spirits and enthusiasm. A healthy atmosphere and a positive energy proliferated the ambience. The camp was devoted to all the girl donors, who besides all the fears and myths came forward to break the stereotype and was a massive success with a total of 1427 blood units collected. The event was graced by auspicious presence of Dr.Naveen Jain (M.D., National Health Mission), Mr. Arun Gautam (General Major), Mr. Uday Kumar R Yaargati (Director,MNIT) and Mr.Alok Mishra (ACP , Traffic police). Donors were awarded certificates of appreciation and thank you cards as a token of remembrance. The blood units collected would be of immense help to the patients of various blood related diseases.

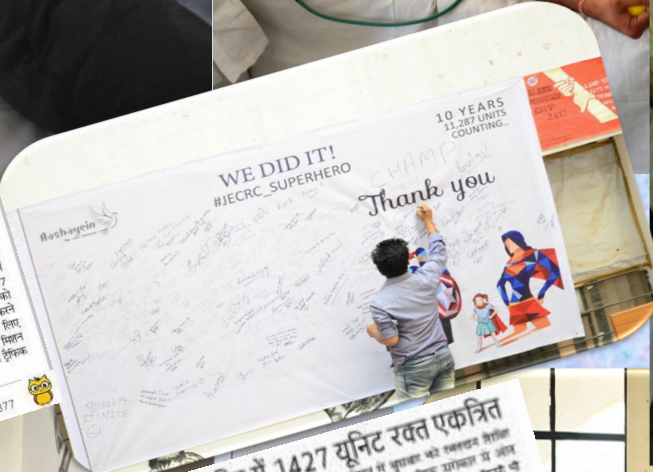




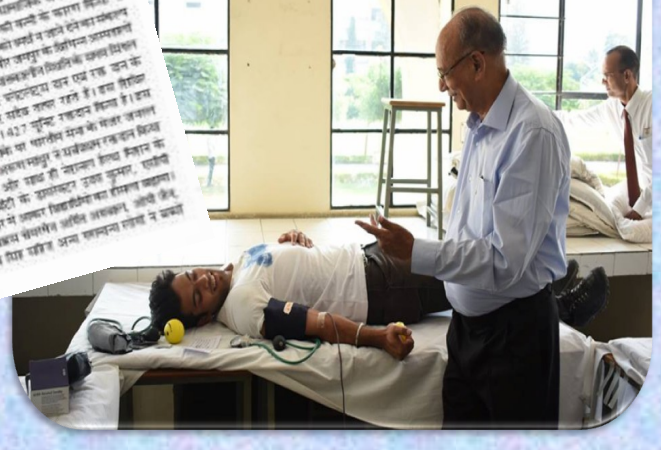
ब्लड की कमी से नहीं जाने देंगे किसी की जान
 शिविर-मंडल | जेईसीआरसी फाउंडेशन की ओर से रविवार को शिविर, 15000 यूनिट रक्त एकत्रित, 1 लाख रक्तदाताओं में टिका जवाब
 40 यूनिट से एक लीटर है। एक यूनिट में औसत 200 मिलीलीटर है।
 शिविर-मंडल | जेईसीआरसी फाउंडेशन की ओर से रविवार को शिविर, 15000 यूनिट रक्त एकत्रित, 1 लाख रक्तदाताओं में टिका जवाब
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स्टूडेंट्स ने बड़-बड़ कर किया रक्तदान
 जेईसीआरसी फाउंडेशन में कुम्हार को रक्तदान शिविर का आयोजन किया गया। जेईसीआरसी फाउंडेशन का आयोजन किया गया। जेईसीआरसी फाउंडेशन का आयोजन किया गया।
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 Thu, 12 October 2017
 paper.dailymirror360.com/c/22860877



शिविर में 1427 यूनिट रक्त एकत्रित
 जेईसीआरसी फाउंडेशन में कुम्हार को रक्तदान शिविर का आयोजन किया गया। जेईसीआरसी फाउंडेशन का आयोजन किया गया।
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FELICITATION OF TEAM AASHAYEIN

BY Sh. Kalicharan Saraf
@ SMS Hospital, Jaipur

On the foundation day of SMS hospital blood bank. Mr. Kuldeep Sharma

Mechanical deptt. Faculty coordinator Team Aashayein was felicitated by Sh. Kalicharan saraf Honourable Health Minister Rajasthan for their tremendous work in blood donation.





TECHNOCRATZ

CHINESE STARTUP UNVEILS 'CAR OF FUTURE' FOR \$45,000



The electric-powered concept car shown by Byton at the Consumer Electronics Show in Las Vegas is touted as a computing device on wheels, equipped with a "digital" lounge featuring a panoramic display acting as a hub for navigation, entertainment and even monitoring the health of its occupants

LAS VEGAS, UNITED STATES: A Chinese startup unveiled its vision for the automobile of the future Sunday, promising to deliver an "intuitive and intelligent" car to global markets starting next year from around \$45,000.

The electric-powered concept car shown by Byton at the Consumer Electronics Show in Las Vegas is touted as a computing device on wheels, equipped with a "digital" lounge featuring a panoramic display acting as a hub for navigation, entertainment and even monitoring the health of its occupants.



THE E-SHOWER

Speaking of water, the Hamwell's e-shower could potentially help alleviate the world's water crisis. The shower will recycle the water you're using in real time, meaning you use a much smaller amount, and is commercially available next year. The water is caught in a tray, filtered with UV light, and then poured back over your head. Trust us, your great grandchildren will thank you.

Private Company Cleared for Moon landing in end of 2017

Government approves robot mission for Moon Express, which wants to mine our satellite, whilst commercial trips to the moon may be another few years off, the first private company has permission to land on the moon in end of 2017. The Moon Express will launch its lunar landing next year, with permission from the US Government.

For the first time ever, a private company has permission to land on the moon. The U.S. government has officially approved the planned 2017 robotic lunar landing of California-based Moon Express, which aims to fly commercial missions to Earth's nearest neighbor and help exploit its resources, company representatives announced today



JUKEBOX



VIPUL SAINI(2006-2010)

First of all i would like to thank Arpit Sir, you and all the JECRC family for considering me capable enough for such a prestigious award. My name is Vipul Saini. I'm from Jaipur Rajasthan I did my B Tech. from JECRC (2010 Batch Mechanical) Presently I'm posted as Assistant Commandant (DySP) at Bangalore Airport and working for MHA. Before this i was posted at Vikram Sarabhai Space Centre, Trivandrum- Department of Space. During my college days i got a chance to represent JECRC in Bodybuilding and Power lifting at National Level and won awards at BOSM (BITS Open Sports Meet) MST (MNIT Sports Meet) and various other events. The most interesting thing about studying in JECRC and i think everyone must agree is that it provides you freedom to express yourself unlike other colleges where you don't get such liberty. I got Campus placed in Surya Roshni Ltd in 2010. That was an year of recession and getting campus placed was a privilege in itself. I was fortunate though that my joining was the earliest in our batch. There I worked as a Production Engineer and was posted at Anjar near Bhuj (Gujarat). There I felt a need to broaden my horizon and become a Civil Servant (Since my Elder brother is already RAS). So I resigned from my job in 2011 and went Delhi to prepare for Civil Services after working for an year. I prepared from Delhi for 2 yrs and got selected through UPSC in 2013. Got trained in 2014 from Police Academy in Hyderabad. Thereafter I did Commando Course twice, once Short Commando and second time Special Task Force Commando, Basic Fire Safety Course, Special Tactics Course and various other courses in such a short span of 4 yrs. Of my major Security Assignments till date I was in Madras High Court during the time of agitation of Lawyers, part of Defence Expo (GOA), Security Expo (Delhi), Aero Show (Bangalore), etc

PARTH MISHRA(2008-

With due respect and honour, I extend my deepest gratitude to you for providing such a solid foundation and creative environment at JECRC which helped me to pursue my Bachelors in Mechanical Engineering with HONOURS alongside placements in two leading companies ie. TCS & BGR Energy in year 2012. It gives me immense pleasure to share the news that after successfully completing Bachelors at JECRC and thereafter working as a Commissioning Engineer at BGR Energy, I have been selected for the MSc. Renewable Energy Engineering & Management program at UNIVERSITY OF FREIBURG, which is one of the 100th best in the world, 3rd best in Germany and having one of the world's best MSc Renewable Energy program



ICONIC PERSONALITIES

ARDESHIR GODREJ (1868 – 1936)

Ardeshir Godrej started out by studying law but didn't find much success as a lawyer. So, he went to Bombay and worked as an assistant to a chemist. Because of his great business sense of business, he saw everything as a business opportunity.

Taking a loan from his father's friend he started to manufacture medical equipment used in surgery, such as scalpels, surgeon's scissors, forceps, etc. When he was satisfied that the quality of his equipment was world-class, he approached the boss of the company he was working for. His



boss thought the equipment was great, but rejected the "Made in India" label, believing it wouldn't be marketable. Ardeshir wouldn't budge and the venture never materialized.

Later, one morning he read in the newspaper that burglary rates in Bombay were increasing and that locks weren't working as well as they should. He saw that as a business opportunity and started to research lock making. This venture was so successful he is now known as the lockmaster of India.

Then he also made the first soap ever without animal fat: Cinthol, which is still used by millions of people.

The locks made his company famous and now the Godrej group has diversified itself in the business of real estate, appliances, security, FMCG products, etc.

ICONIC PERSONALITIES

MOKSHAGUNDAM VISVESVARAYA(1860-1962)

Born on 15 September 1860, Sir Mokshagundam Visvesvaraya was a notable Indian engineer, scholar, statesman and the Diwan of Mysore during 1912 to 1918. He was a recipient of the Indian Republic's highest honour, the Bharat Ratna.

Sir M V suggested that India try to be at par with industrialized nations as he believed that India can become developed through industries.

He has the credit of inventing 'automatic sluice gates' and 'block irrigation system' which are still considered to be marvels in engineering. Each year, his birthday 15 September is celebrated as Engineer's Day in India. Since river beds were costly, he came up with an efficient way of filtering water through 'Collector Wells' in 1895

which was rarely seen anywhere in the world. Architect of Krishnarajasagar Dam devised steel doors to stop the wasteful flow of water in dams; honored with Bharat Ratna. Sir Mokshagundam Visvesvaraya was an eminent engineer and statesman and played a key role in building of modern India. Sir M. Visvesvaraya was born on September 15, 1860 in Muddehalli village in the Kolar district of the erstwhile princely state of Mysore (present day Karnataka). His father Srinivasa Sastry was a Sanskrit scholar and Ayurvedic practitioner. His mother Venkachamma was a religious lady. He lost his father when he was only 15 years old. Visvesvaraya completed his early education in Chikkaballapur and then went to Bangalore for higher education.

He cleared his B.A. Examination in 1881. He got some assistance from the Government of Mysore and joined the Science College in Poona to study Engineering. In 1883 he ranked first in the L.C.E. and the F.C.E. Examinations (equivalent to B.E. Examination of today). When Sir M. Visvesvaraya cleared his engineering, Government of Bombay offered him a job and appointed him Assistant Engineer at Nasik. As an engineer, he achieved some marvelous feats. He planned a way of supplying water from the river Sindhu to a town called Sukkur. He devised a new irrigation system called the Block System. He devised steel doors to stop the wasteful flow of water in dams. He was the architect of the Krishnaraja Sagara dam in Mysore. The list is endless. Sir M. Visvesvaraya lead a very simple life. He was a strict vegetarian and a teetotaler. He was known for his honesty and integrity. In 1912, Maharaja of Mysore appointed Visvesvaraya as his Dewan. Before accepting the position of Dewan of Mysore, he invited all his relatives for dinner. He told them very clearly that he would accept the prestigious office on the condition that none of them would approach him for favours.

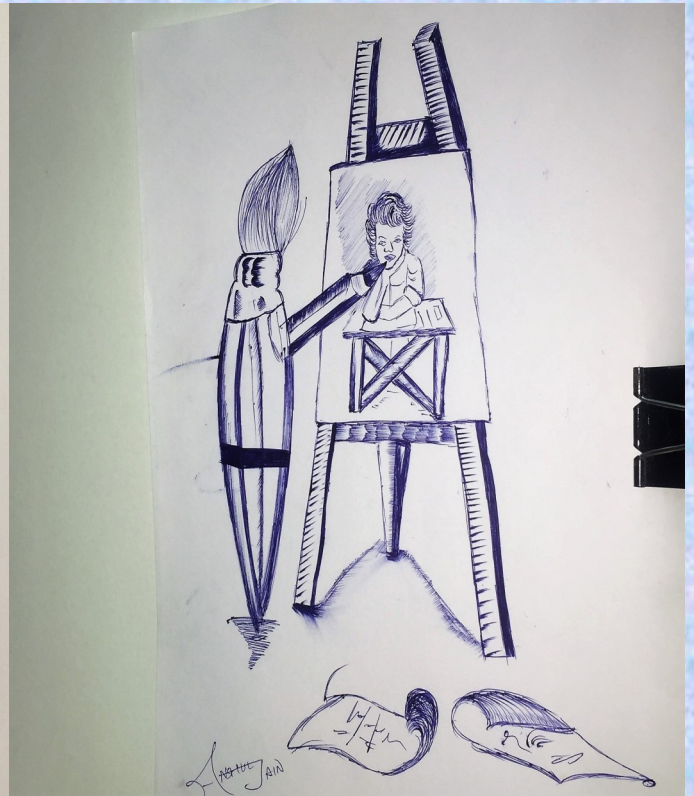
As Dewan of Mysore, he worked tirelessly for educational and industrial development of the state. When he was the Dewan many new industries came up. The Sandal Oil Factory, the Soap Factory, the Metals Factory, the Chrome Tanning Factory, were some of them. Of the many factories he started the most important is the Bhadravati Iron and Steel Works. Sir M. Visvesvaraya voluntarily retired as Dewan of Mysore in 1918.

He worked actively even after his retirement. Sir M. Visvesvaraya was honored with Bharat Ratna in 1955 for his invaluable contribution to the nation. When he reached the age of 100, the Government of India brought out a stamp in his honor. Sir Visvesvaraya passed away on April 14, 1962 at the age of 101.



ARTISTS COLUMN

Anshul Jain(VIII-A)





FROM THE DIARY.....

WHO WAS HE???

Shubhank (VIII-B)

When I leave my home for my office every day the first thing that scares me is the rush of the local which is just like being dead for some time with the smells of the armpits of peoples of different genres. Some of them looked like don't even bath daily and smells like a rotten mango. Well it has been my daily routine so it does not affect a lot because by now its has been my daily routine. Well after winning that war of standing in a battle field of local when I reach my office my life becomes normal. All day boring work of office, attending clients and all the same stuff after which I have to leave for home every day. But that evening of December 16 was a bit different. A foggy night with a shivering weather which left a question for rest of my life. That day when I left my office I was late from my daily schedule. The last local would have left if I haven't rushed to it with my best speed. As I entered from the gate of the last coach I felt like I have won an Olympic race. I could hardly find anyone in the compartment except a man sitting on a single seat on the opposite side of the motion of the train. A man wearing a shall looked a bit suspicious to me. But as I do for the others I ignored him. Tired from the day's work soon felt asleep. Suddenly I could see the man coming to me and talking to me about the current politics and sports. I realized that he was overfriendly with me but for passing my way I also started talking to him. Once he gained confidence in me he started telling me about his life and how his daughter was raped and was murdered in a local train when returning from office. It seemed like he still could not forget the pain that the police gave him by interrogating him instead of the culprits who were the brothers of a local Bahubali. After talking to him for so long I realize that how worst our system has become that one could not seek for help no matter by which condition the victim has went through. May be because of this attitude of our police we have lost the trust on our system. I think that this is the reason why a common man still fears to go to a police station to file his complaint. That's why the police man are still abused by people because they are made to work for all the societies of a country but they work only for some particular societies who can bribe them. Our system has become so corrupt that even I child of five know what to offer to an official to get his work done. Well I could only see pain on his face which reflected his incapability of fighting the system. Suddenly I could feel a jerk which broke my sleep. I was surprised, shocked and even scared as I could not see that man anywhere in the compartment. I looked here and there but could not locate him from my naked eyes. Train reached my station and I left for my home, scared all the way. The next morning was same although my mind was still in a state of illusion of what happened with me last night. I didn't discussed anything from my wife and left for my office as of my daily routine. When I reached the station I could find some of my colleges standing at the station waiting for the 8.45 local. I went to them and talked about my last night illusion. After listening to me they all looked towards each other and had a totally miserable expression on their face. On asking why they were having such an expression one of them said, "YOU ARE THE FIRST ONE WHO SURVIVED". He continued, five year ago on 16 December a girl around 24 was raped and murdered in the same local by the a group of drunk boys, out of them one was the brother of the local bahubali. When his father filed a complaint against him, instead of arresting the culprit, he was threatened by the police as well as by the people of that bahubali. Suffering from all these life threatening's he committed suicide by hanging himself from a tree in front of the house of the culprit. From that day he comes to the same local on every 16 December in search of those boys and whoever seen by him in that compartment is found murdered. After completing this he said "BE THANKFUL TO YOUR GOD WHO HAS SAVED YOU". Listening to this I could not utter a word. The train arrived and we left for our office.

It has been five years to all this but still I do not bored that last local on December 16. I still could not find answers to my question that why he didn't kill me? What he wanted from me? Do I have any link to what happened to his daughter? Till when our system will remain as it is where a common man could not hope for justice? Till when the power of such bahubalies will rule our system? And till when such fathers will commit suicide in urge for justice? TILL WHEN?

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From Left : Akshay Darshan Sing, Satyendra Kumar, Yogesh Dubey, Palak Jindal, Lalit Kumar Sharma, Inzamam Ul Haque, Shubhank Sharma, ,

