



# The Mechanical News

## MECHANICAL ENGINEERING DEPTT.

### JECRC, JAIPUR

#### VISSION AND MISSION OF COLLEGE

*"Press for-* VISSION OF COLLEGE

*ward. Do not* □ TO BECOME A RENOWNED CENTRE OF OUTCOME BASED LEARNING AND WORK TOWARDS, ACADEMIC, PROFESSIONAL AND SOCIAL ENRICHMENT OF THE LIVES OF INDIVIDUALS AND COMMUNITIES.

*stop, do not* MISSION OF COLLEGE

*linger in*

□ FOCUS ON EVALUATION OF LEARNING OUTCOMES & MOTIVATE STUDENTS TO INCULCATE RESEARCH APTITUDE BY PROJECT BASED LEARNING.

*your journey,*

□ IDENTIFY, BASED ON INFORMED PERCEPTION OF INDIAN, REGIONAL & GLOBAL NEEDS, THE AREAS OF FOCUS & PROVIDE PLATFORM TO GAIN KNOWLEDGE & SOLUTIONS.

*but strive for*

□ OFFER OPPORTUNITIES FOR INTERACTION BETWEEN ACADEMIA AND INDUSTRY.

*the mark set*

□ DEVELOP HUMAN POTENTIAL TO ITS FULLEST EXTENT SO THAT INTELLECTUALLY CAPABLE & IMAGINATIVELY GIFTED LEADERS MAY EMERGE.

*before you."*

#### VISSION AND MISSION OF MECHANICAL DEPTT.

#### SPECIAL POINTS OF INTEREST:

- FDP@JU
- FDP in M.E Deptt.
- Ill rd Sem Induction
- Digifest Bikaner
- Placement Trainings

#### 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.

## PROGRAMME OUTCOMES

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **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.
4. **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.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **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.
7. **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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **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.
11. **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.
12. **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.

## FACULTY DEVELOPMENT PROGRAM @ JECRC UNIVERSITY (JULY 3-5 2018)

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 teaching as an art.

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

will continue to introduce the basics of Quant's/Logic /verbal for understanding the basics of aptitude 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



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 hence the expert showed the way to enhance the skills for drafting an impressive



The second day started with basic orientation, strategies, resume writing and PI. Which

The day and the Program ended with valediction speech and certificate distribution.

writing. The third day consist of an 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.

## **FDP @ MECHANICAL DEPARTMENT ON “EFFECTIVE LABORATORY SKILLS FOR TECHNICIANS” (JULY 3-5 2018)**

An interactive FDP program was organized by Mechanical Department for the technical staff on “Effective Laboratory Skills” where the faculty incharge of different labs share there knowledge of different experiments. It was highly informative & full of knowledge session which is going to benefit one & all in their respective areas.





## III RD SEMESTER INDUCTION PROGRAM (2-15 JULY)

A 15 day Induction program was carried out by Mechanical Deptt. For the 3rd semester students to welcome them in Mechanical Deptt and prepare them for their new role. Induction program included development of theoretical and practical skills & also meet interaction needs that exist among the students.

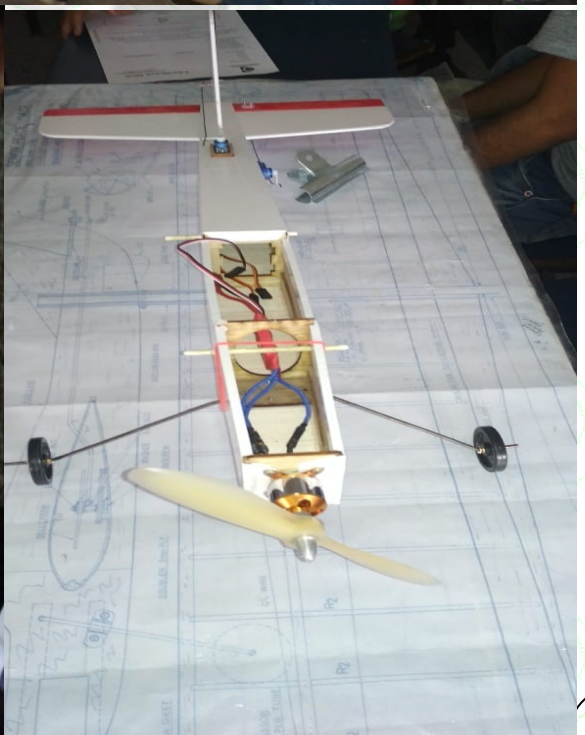
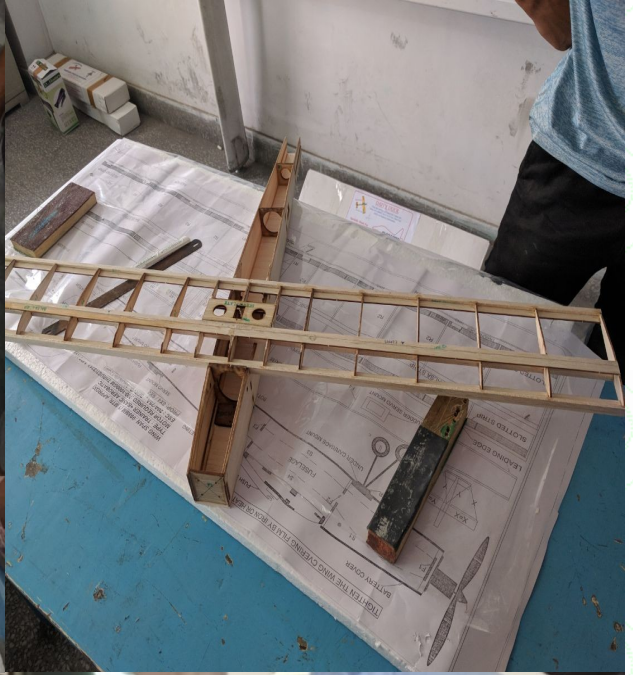
An induction programme is part of an organisations knowledge management process and is intended to enable the new students to become a useful, integrated member of the department, rather than being "thrown in at the deep end" without understanding how they fits in with the rest of the department.

Different Activities were carried out during the program.

- Industrial visit
- Aeromodeling workshop
- Seminars
- CADD workshops
- Guest lectures
- BAJA TUTOR Workshop









## FACE TRAINING & PRE PLACEMENT MOCKDRILL @ JECRC

FACE is a placement preparation institute providing assistance to the students in getting through the placements, Connect with a pool of experts and students across India. Get detailed information about the latest recruitment patterns of top Companies. Share campus interview experiences and aptitude questions. Take mock tests. Move closer to your dream job. One such special lecture was



organised for the students of Mechanical final year to help them crack the different tests in the placement procedures. Different Experts from FACE have come to the JECRC campus and gave the students tips & techniques for

the placement procedures. Different Experts from FACE have come to the JECRC campus and gave the students tips & techniques for



tance to the students in getting through the placements, Connect with a pool of experts and students across India. Get detailed information about the latest recruitment patterns of top Companies. Share campus interview experiences and aptitude questions. Take mock tests. Move closer to your dream job. One such special lecture was



Move closer to your dream job. One such special lecture was

Aptitude, Reasoning, G.D & H.R rounds.

placement procedures. In this the departments 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. These kind of activities have helped student in knowing their weak and strong points and

## DIGIFEST @ BIKANER (26 JULY 2018)

Pankaj Maharshi from Mechanical Department participated in Rajasthan Digifest 2018 in Job Fair event. He got Selected in 3 IT companies in the same event. This is the highest selection of the event. He was in-



vited to the stage to share the stage with CM Rajasthan-

han Smt. Vasundhara Raje. He also discussed about his previous projects to Vasundhara mam and the audience of 10 thousand.

## HACKATHON 5.0@DIGIFEST BIKANER

A Non-stop 24 hour programming event was held by the govt. of Rajasthan during Digifest at Bikaner. Students from all over the India participated with their innovative ideas. The CM of Rajasthan Smt. Vasundhara Raje inaugurated the Bhamasha ATM's for villagers. An IT expo was conducted to show the performance of Rajasthan at digital level. Along with various teams from JECRC three students from Mechanical Deptt also participated in the Event. Ekant Labana - Vth Sem  
Ompuri- Vth Sem  
Venkatesh - III rd Sem



## FACE TRAINING & PRE PLACEMENT MOCKDRILL @ JECRC

FACE is a placement preparation different tests in the placement pro- the departments different rounds were  
cedures. Different  
Experts from  
FACE have come  
to the JECRC  
campus and  
gave the stu-  
dents tips &  
techniques for  
Aptitude, Rea-  
soning, G.D &  
H.R rounds.  
A Pre-placement



institute providing assistance to the students in getting through the placements, Connect with a pool of experts and students across India. Get detailed information about the latest recruitment patterns of top Companies. Share campus interview experiences and aptitude questions. Take mock tests. Move closer to your dream job. One such special lecture was organised for the students of Mechanical final year to help them crack the



drill was organised on 9-30 July 2018 to get through the students with actual placement procedures. In this

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. These kind of activities have helped student in knowing their weak and strong points and how to workout on them.

## MOONRIDERS

Team Moonriders from Mechanical Department JECRC got selected for Virtual BAJA round at National level



## WORKSHOP CUM CONFERENCE @ VIT VELLORE

BY - MR. ROHIT GOYAL

Mr. Rohit Goyal lecturer Mechanical Department attended a conference on "BioMET" at VIT University, Vellore Tamilnadu, India .

The aim of this conference was an attempt to bring in leading scientists of various fields, clinicians and delegates from healthcare industry together on a single platform. Scientists, clinicians and engineers, from all around the world, hav-

ing varied research interests like biomaterials, nanotechnology, tissue engineering, stem cells, molecular biology, drug delivery and gene therapy are invited to critically discuss the challenges and options in clinical theranostics.

The conference was consist of two days pre-conference workshop (24<sup>th</sup>-25<sup>th</sup> July 2018) followed by the three days (26<sup>th</sup>-28<sup>th</sup> July 2018) conference that in-

cludes- keynote and plenary sessions, brain-storming panel discussions by invited speakers, oral and poster presentation by participants.



JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

JECRC Campus, Shri Ram Ki Nangal, via Sitapura RIICO, Tonk Road, Jaipur, 302022

Contact No. : 0141 2770232, 0141 5133338/39

Website : [www.jecrcfoundation.com](http://www.jecrcfoundation.com)

E-mail Id. : [info@jecrcmail.com](mailto:info@jecrcmail.com)