



# IT NEWSLETTER

JANUARY 2018



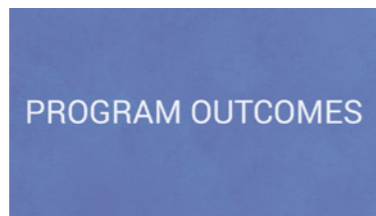
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## VISION AND MISSION

# Vision & Mission of Jaipur Engineering College & Research Centre



## VISION

To become a renowned center 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



## VISION AND MISSION

# Vision & Mission of Department of Information Technology, Jaipur



## VISION

To establish outcome based excellence in teaching, Learning and commitment to support IT Industry.

## MISSION

- To provide outcome based education.
- To provide fundamental & intellectual knowledge with essential skills to meet current and future need of IT Industry across the globe.
- To inculcate the philosophy of continues learning, ethical values & social responsibility.

# PROGRAM OUTCOMES (POs)

## 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 interpre-

tation 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



## JECRC HACKATHON 1.0



**THE IDEA OF JECRC HACKATHON 1.0 CAME INTO ACTION 3 MONTHS AGO AND PROPER PLANNING, RIGOROUS MENTORING, HARD WORK, TEAM WORK AND SUCCESSFUL EXECUTION HAS FINALLY MADE THIS DREAM TRUE.**

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.

### MILESTONES

**300 registration**

**2 levels of mentor scrutiny**

**152** teams

**768 students**

**12 judges and 123 mentors**

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.

In the midnight journey of 10th Jan, 2018 we kept a special program for all the students and mentors so that they get refreshed and start boosting their minds again with a great energy level. The program started in the midnight with a bonfire and everyone enjoyed the ambience of the environment. Snacks and songs made everyone energetic again and the coders were awake for the whole night making their projects perfect.



## JECRC HACKATHON 1.0



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.



*"Talk is cheap. Show me the code."*

Linus Torvalds



SEMINAR

# HANDS ON TRAINING ON LINUX

An educative initiative was taken by our college and supported by our department by giving Linux training on Redhat enterprises Linux version 7 (RHEL 7) for students to enroll into the basics of real world scenario of working on companies through Linux and using it to do assigned work . This session was conducted by Mr. Alok Shrivastava (RHCSA, RHCE and RHCA)

Through this training students were able to configure servers, understand permissions working on remote logins and many more stuff. While doing these they were also encouraged to give the RHCSA exam through college collaborations at a very cheap cost along with original study material and a very parameterized way of learning Linux. The 15 day training program was very effective and at the end of the day students were updated with a new skill that will meet today's industrial demands.

SEMINAR

# CAREER IN PSUs

“The best way to predict a future is to create one.”

The goal of a student is to build a better future. And to accomplish this goal of students of JECRC, an interactive session was conducted by the team of Engineer's Academy. The academy aims at preparing students for further competitive exams after graduation. And helps the aspirants to fly high in their careers. The session conducted, helped the students to have a wide view of future opportunities.

The students were made aware about the various scopes of career after graduation. Categorizing the scenarios, differences between Jobs and higher education were elaborated and how one can get higher packages. Mr. Sumit, in his inspiring presentation told about various exams such as GATE, CAT, GRE, etc. And how one can persuade his higher education in top institutes such as IITs, NITs and IIMs through these exams. Also, that the career range for an engineering graduates can range from esteemed IES to jobs in Public Sector Units (PSU). One can apply also apply in Banking Sector and Defence Services. The young innovative minds were also made aware of how they can commence their own creative startups by making good Public Relations and a small amount of investment, and become very successful Entrepreneurs. It is the responsibility of the youth to serve nation in different sectors and along with that can build galvanizing future for themselves.



## SEMINAR

# BODHI AI

Founder - Mr. Prashant Pandey and Mr. Gaurav Sanghi

**Bodhi AI is an education-technology startup. It is a dynamic platform which evolves with students to give them unique learning experience created with the help of most advanced Artificial Intelligence system.**

This eliminates every hindrance that a student traditionally faces while creating interest towards the subject. Educational institutes can especially take advantage of this platform because traditionally schools adapt one-size-fits-all approach to teaching. But students learn at different pace and have different progress rates. Teachers find it difficult to identify and deal with educational needs of large number of students. Bodhi AI helps teachers to find gaps in their teaching and point to where students are struggling with subject matter.

The main feature of Bodhi AI is that it works on both the languages English as well as in Hindi. It consist of two panels, i.e., teacher and student .Teachers can create test, finalize question paper, evaluate the performance of students and help them out in all possible ways .Whereas, in student panel it can upgrade the performances by providing regular tests and analyzing their performance by marks and graph.

This can enhance student's performances and their skills as aptitude reasoning is the only common thing in private jobs as well as in government jobs .The interaction program was enjoyed by all the students.

**Y**our work is going to fill a large part of your life, and the only way to be truly satisfied is to do what you believe is great work. And the only way to do great work is to love what you do.

— Steve Jobs,  
Co-Founder,  
Chairman and  
CEO, Apple







# 69th REPUBLIC DAY



‘Freedom has its life in the hearts, the actions, the spirit of men.’

On the morning of 26th January 2018, 69th Republic Day, all the teachers and students had congregated to celebrate the event with great fervour of patriotism.

Everyone gathered for morning assembly at the college porch. The Chief Guest Prof. (Dr.) VK Chandna was accorded a warm welcome by the college members.

The function commenced with the unfurling of the Tri colour amidst the shower of flower petals followed by National Anthem. The Chief Guest motivated all the students with his speech. Our young patriots presented patriotic songs highlighting national strength and unity.

The program concluded with the distribution of sweets.

**“As We Match Out  
In The Spirit Of Brotherhood  
And Nationhood,  
Let Us Not Forget To Defend  
The Colors Of Our Flag With  
All We Have.**

**Happy Republic Day!”**

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**PROUD  
TO BE AN  
INDIAN**

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SIG GROUPS

# SIG GROUPS

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# Python



Department of IT has always taken initiatives to enhance the technical skills of the students. In this series we are pleased to inform you that the department has formed a “Special Interest Group” (SIG) and “Organization Of Student Developer” (OSD).

There are two SIGs- one for Python and the other one for Android Application development.

### About the group :

The SIG for Python is a group of students for the students. The motto of the group is to promote students to take up Python as their preferred programming language so that they can show their metal in competitive programming and in the placements as well.

### About Python :

Python is a multi-paradigm, interpreted, high-level programming language for general purpose programming. Python is gaining popularity in the domain of Computer Science, thanks to its features like- easy to learn, open source, tons of libraries for almost any purpose etc. Python can be used as a scripting language also.

### About the Mentor :

The mentor for the SIG for Python will be Mr. Harshvardhan Binyala, a final year student of Dept. of IT. He did his internship from Indian Space Research Organisation (ISRO) in Sentiment analysis of crowdsourced data. His areas of interest are Natural Language Processing and Sentiment Analysis. He is campus placed in Newgen Softwares. Newgen Software is a leading provider of Business Process Management (BPM), Enterprise Content Management (ECM), CCM, DMS, Workflow and Process Automation.





SIG GROUPS

# Organization Of Student Developer

SIG GROUPS

## About the group :

The aim of this OSD is to facilitate the development of their skill set while working on the project. The students enrolled in this program are able to form startups which solve a real-world problem or provide a stepping stone for these students to get into big companies like Google, Flipkart, etc.

## About :

Web Development- Web development is the segment of the software engineering that deals with creating application/website that is accessible through HTTP protocol. The web development is majorly driven by two components mainly Frontend and backend API.

## About the Mentor :

The mentor for the OSD will be Mr.Himanshu Dixit, a senior year student of Dept. of IT. He had previously been a

Project Leader at Oppia, and Core Developer at Drupal. He is currently involved with New Delhi based startup as the co-founder.



SIG GROUPS

# Android Application Development

SIG GROUPS

## About the group :

The aim of this SIG is to motivate the students to take up Application Developmental skills which will be fruitful in their placements and will add an extra skill in their resume.

The motto of the group is to promote students to walk away with fully ready to build Android applications so that they can show their metal in several Hackathons and in the placements as well.

## About Android :

Android is an open source project of the Open Handset Alliance that has revolutionised the user experience of a mobile device. With Android, it is a fact that mobile devices will have more user-friendly applications than ever before and putting the internet in the handsets of many, many people around the world.

The biggest advantage is that the success of Android depends on the availability of unique and engaging user applications created by developers just like you. Practically anyone can contribute applications to the Android community, making it more possible for the world to experience your innovative ideas.

## About the Mentor :

The mentor for the SIG for Android Application Development will be Mr. Lokesh Soni and Ms. Asmita Goswami, third year students of Dept. of IT.

Mr. Lokesh Soni did his internship from CodeJocks Technologies and Cocoa Pay in Mobile Application Development. His areas of interests are Machine Learning, Data Science and Mobile application Development.

Ms. Asmita Goswami did her internship from CodeJocks Technologies in Mobile Application Development. Her areas of interests are Machine Learning, Data Science and Mobile application Development.



## Student Coordinator



Mr. HarshVardhan Binyala  
IV Year



Ms. Divya Asija  
IV Year



Mr. Ankitesh Arora  
IV Year



Ms. Neha Gupta  
III Year



Ms. Ritisha Kothari  
II year



Ms. Diksha Lath  
II Year



Ms. SIMRAN  
II year

## Teacher Coordinator



Mr. Piyush Gautam  
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Department of Information Technology



Ms. Shweta Saxena  
Assistant Professor  
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Mr. Sunil Jangir  
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