



Jaipur Engineering College & Research  
Centre, Jaipur



DEPARTMENT OF  
INFORMATION TECHNOLOGY

# IT Newsletter

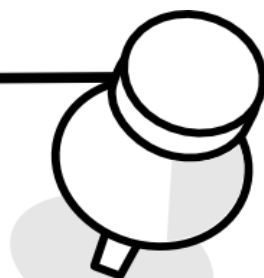
September 2017 edition

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## *Vision & Mission of Jaipur Engineering College & Research Centre, Jaipur*



### **VISION**

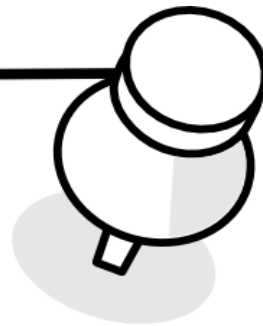
To become a renowned centre of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

### **MISSION**

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



## *Vision & Mission of Department of Information Technology*



### **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 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

## IT Hackathon

Programming is the 21st century's new literacy. It is not limited to the confines of engineering, but extends to how we solve problems in the future. It embodies creativity and critical thinking. IT department believes that all students should equip themselves with development skills to facilitate with their future education and career development.

Hacking is an unorthodox way to solve problems, however, it is most often perceived negatively in the public. A Hackathon is an event that gathers programmers with different skill sets to "hack", or work collaboratively, on a software project.



**IT Hackathon 2017**

6th Sept.  
9:00Am-3:00Pm  
IT Department

Faculty Coordinator  
Preeti Sharma  
SDO  
IT Department  
8696939346

Registration Fee: 100/-  
Contact Us:  
Naman Jain : 7733842339  
Garvit Mathur : 8233955987

IT department organized Hackathon for the very first time on 6<sup>th</sup> September 2017 from 9 A.M. to 3 P.M.. It was a 6 hours competition in which the theme was given on the spot. Students were free to choose the platform and internet facility for the development according to the theme given.

Theme of the IT Hackathon was "Social Cause". According to the theme there were 8 topics as follows

1. Child Labour
2. Teenage Crime
3. Blood Donation
4. Illiteracy
5. Women Empowerment
6. Alcoholism

## IT Hackathon

7. Dowry System

8. Sanitation and Cleanliness

Students participated in the team of 2 members. Total 47 teams participated in the event. Both the members worked collaboratively and many creative outputs were given.

The judgement round started at 2pm. Every team showed their talent and the solution to the problem in a creative way.

After the judgement round, 3 teams were selected for the final presentation where they had to present it in front of every participant.

The prize for the "best idea" was given to Mr. Deepen Bhavsar and Mr. Nayaran Devprua from 2nd year.

Mementos were given as a token of affection to the judges- Mr. Abhishek Chandra and Mr. Naveen Kedia.



# IT Newsletter

## IT Hackathon

Certificates were distributed to all the participants, student coordinators and faculty coordinator at the end of the event.

Our faculty coordinator Ms. Preeti Sharma helped and guided us throughout this event to make it a successful one





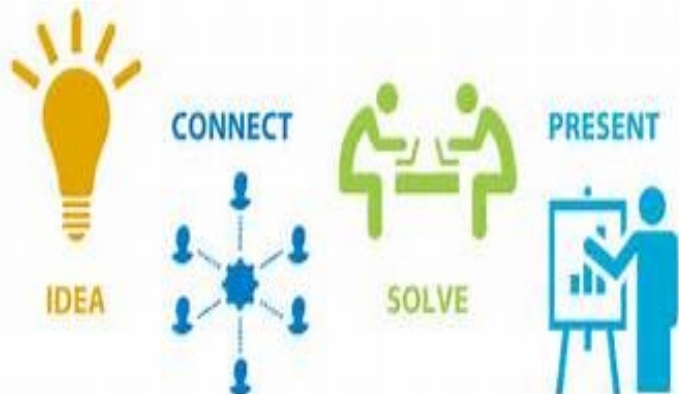
## IT Hackathon

After this round, the winners were selected and the teams which secured the positions are as follows-

**Winner- Mr.Ujjwal Gupta and Mr. Vatsal**

**1st Runner up - Mr. Avish Jain and Mr. Anant Upadhyay**

**2nd Runners up - Mr. Siddharth Jain and Mr.Siddharth Singh Tomar**



## Interview Experience of CauseCode



Mr. Aditya Gujjar recently got placed in a highly reputed company: CauseCode.

CodeCause is a Pune based company in which hiring is done through Google Hangouts Interviews.

There are three rounds involved:

HR

Semi-Technical

Technical

The interviews are quite casual and one can expect to have a lot more HR questions in technical rounds and vice versa.

### MR. Aditya Gujjar

The company basically looks to hire people with prior experience and good number of skillset. Primary focus is on the number of projects you've done, your past experiences

with any startups/companies if any is a great plus.

Excerpts from his interview...

#### (HR round)

1. Tell me something about yourself.

Ans- Name.

Technical background (Android, iOS and AngularJS Development).

Explanation about the projects I've worked on.

My live apps on the store and the number of downloads.

Past achievements.

2. So it looks like you've done most of your work in android development but we need someone who can do Web apps. How comfortable are you doing that?

Ans - Explained with the reason that I've also have three projects in AngularJS which are currently live.

#### (Semi-tech round)

1. Tell me about yourself.

Ans- Same as above but this time I focused more on my past experience with companies.

## Interview Experience of CauseCode

2. You seem to have a lot of industrial experience. Did vDrone(The last company he worked with) not offer you a PPO?

Ans - Yes.

3. Why didn't you join them?

Ans- Reason given.

4. Also you mentioned about one of your app crossing 100 thousand downloads on the play store. Was it for a company or personal app?

Ans- Yes. Truelancer.

5. Did they not offer you a PPO?

Ans- No.

Explained with the reason that being a freelancing platform they look to hire freelancers for maintaining their app.

6. One thing you'd like to change about yourself.

7. Why do you want to work for CodeCause?

8. What is enum in CPP?

9. Difference between lists and queue.

### (Technical round)

This round was taken by the CEO himself and included sharing of my laptop screen so that they can review the code. Company has pretty high standards about the coding conventions and best practices

1. Show me one app/project you're really proud of in terms of code quality and usability.

Ans- Shown them the code for couple of my projects.

2. Okay so do you feel you could've improved anything with this project (Project in question was an android app he did for Truelancer)?

Ans- Definitely Yes sir. The code is pretty neat but I feel the project organisation could've been better. I took this app over from another guy once it was 40% finished so couldn't have rolled back and rewrite it according to MVC.

## Interview Experience of CauseCode

3. While looking at the code he saw a thread. He asked me what it was about and what was the use of the synchronized block inside the thread.

Ans-Explained.

4. So you work with native android and iOS apps most of the times while our company deals in ionic. Will you be able to cope up?

Ans- Explained with why I wanted to work with JS and ionic.



## Swachhta Pakhwada

Mahatma Gandhi ji communicated a quintessential message to the nation through his efforts to educate people around him about cleanliness. To work seriously towards this vision of Gandhiji, Prime Minister Shri Narendra Modi launched Swachh Bharat Abhiyan. One of the aspects of this mission is "Swachhta Pakhwada" which was initiated by AICTE in JECRC foundation from 1-15 September, 2017.

On the 14th day of Swachhta Pakhwada, IT Department conducted "ELOCUTION DAY" to bring behavioural and attitudinal change among the students through innovative activities so that the ultimate goals of the "Swachh Bharat AbhiyaA creative and collaborative platform was provided by the department to make the event a resounding success.

This platform brought together the collective thoughts of teachers as well as students towards the mission with the help of their speeches.

Through the elocution, everyone learnt that this mission is not just about cleaning surroundings but also seeking the participation of people in planting trees, creating trash-free environment, providing sanitation facilities and then paving a way for "Swachh Bharat" eventually.

A "Clean India" is of utmost importance for promoting the nation as an ideal destination for tourists from across the world. The event ended with the prize distribution to the winners and a conclusion that this campaign will not only help citizens to adopt good habits of cleanliness but also boost our image as a nation, sincerely working towards cleanliness.n" could be achieved and sustained.

## Engineer's Day

"Engineering is not merely knowing and being knowledgeable; engineering is not merely analysis; engineering is not merely the possession of the capacity to get elegant solutions to non-existent engineering problems; it is practicing the art of the organized forcing of technological change."

This quote clearly signifies the hard work done by all the engineers and to identify these works, each year 15th September is celebrated as "Engineer's Day" to commemorate the birthday of the legendary engineer, Sir Mokshagundam Visvesvaraya.

On this occasion, all the departments of JECRC foundation organized various technical and non-technical events. IT department conducted a technical quiz as well as a LAN gaming event for it's students.

Both the competitions witnessed a decent number of participation and were highly appreciated by all the staff members and students.

The winners were -

Abhijeet Raj, Gagan Baheti, Anmol Saxsena, Arpit Kulshreshta, Tanmay Sharma



## Engineer's DayA





## Editorial Board



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IV Year



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IV Year



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IV Year



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Mr. Sunil Kumar Jangir  
HOD, IT



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II Year



Ms. Ritisha Kothari  
II year

