



JECRC Foundation



I.T. EDIFIER

Let's Innovate

Department of Information Technology
EDITION 5.0

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Director's Desk



I cordially congratulate department of Information technology, as director of Jaipur Engineering College and Research Centre for their departmental magazine. JECRC has emerged as one of the front ranking colleges within a short span of time. The Institute is well known for various initiatives in professional education. Recognizing the impact of input on the students, leading organizations have visited the campus for enriching the competitive skills of higher organizational performance.

The Institute has always seen quality education as first priority, thus, ensuring the academic rigor, institute industry interface and overall personality development of the students. Consistent efforts are made for bringing in refinement in everything that concerns the Institution. It is believed that generation of knowledge enriches us with freshness and empowers each individual to overcome obsolescence.

However, since there is always scope for continuous improvement and IT EDIFIER is one of the most commendable steps for department of information technology in the journey towards excellence.

Mr Arpit Agrawal
Director, JECRC Foundation



Principals's Desk

It is a great pleasure to see the creative expressions of the students who are contributing to IT Edifier.

JECRC gives the students an edge over their counter parts in enabling them to prepare themselves for a world that is yet to be created, for jobs yet to be invented, and technologies yet undreamed. The objectives of imparting education, combined with creation are being met in an integrated form to create a synergetic impact. The JECRC Foundation has established itself as one of the leading self-financed colleges in north India. This has been primarily due to the large significance that the College puts on the teaching-learning process. Speakers from Corporate world and academicians and thought leaders regularly visit JECRC to interact with the students.

I am happy to know that department of Information Technology is bringing out its departmental magazine again. The magazine demonstrates the communication skills, poetic prowess, imagination and creativity, humour and humanism, technical competence, and patriotism of the contributors.

I wish this maiden attempt all the success and set a bench mark for coming departmental magazines of the college.

*Dr V.K Chandna
Principal, JECRC*

HOD's Desk



It is often said that "The journey of a thousand miles begins with a single step." and I strongly believe IT EDIFIER is the same. A magazine carries the contributions reflecting ethos and aspirations of the students, faculty and other team members of an institution.

This magazine is presenting a glimpse of the growth of the department on many fronts. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff.

This magazine has recorded achievements such as: conferences attended by staff members and students, competitions won by the hugely talented students, innovative projects carried out by students with the guidance of staff, and others. They stand as a witness to the monumental efforts taken to make the department at its excellence.

I am confident that with the concerted efforts of team EDIFIER, the department will scale to greater heights of excellence and at last I wish the IT EDIFIER team for all the success in their future endeavours.

*Mr Sunil Kumar Jangir
Head of Department
Information Technology
JECRC, Jaipur*



Vision & Mission Jaipur Engineering College & Research center

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 emerge in a range of professions.



Vision & Mission 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

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



JECRC HACKATHON 1.0

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.



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

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.

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.

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.

Your 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



»
PROUD
TO BE AN
INDIAN
«

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.

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

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 March 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!"*

SIG GROUPS

SIG GROUPS



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.

SIG GROUPS

Python



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



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



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.

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.

STARTUP MEET



"CONNECT TODAY, TRANSFORM TOMORROW, IT'S NOT JUST OUR MISSION, IT'S OUR WISH FOR YOU"

Keeping this thought in mind, the alumni of JECRC came to attend its first Alumni start-up meet on 15th Feb, 2018 organised in JECRC college campus.

This Alumni Meet brought a chance for all the alumni to reconnect with their Alma Mater. They relived the carefree days of their college lives as they got a chance to visit all the locations they once frequented.

We were glad to know that we have 90+ start-ups from all the campuses of JECRC and we invited selected 50 start-ups to this exclusive event.

It was the first phase of alumni meet this year and a lot of sessions were organised with the motive of bringing students and alumni together. One of the major take aways of this meet was that our existing students got a chance to hear their success stories and drew some inspiration to become Entrepreneurs instead of looking to be hired.

Students from any class and any course were allowed to attend this wonderful event.

The day was divided into 3 sessions with different motives and ideas. The first session was named "out of the box" and 30 students were allowed to attend this in CP-04. It observed a full participation and all the students got an opportunity to listen to the wonderful views of their seniors.

STARTUP MEET



The second session was named "Innovators" with a capacity of 30 students and was held in the conference hall. This session was all about the innovations done by our alumni and they taught students that how to achieve heights of success.

The third session was organised in IBM lab and its name was "technology hunters". 30 selected students attended this and learnt about the stories of the start-ups started by their successful seniors.

Attendees learnt about the following-

- Networking
- Idea Sharing
- Success stories about their start ups from the Alumni.
- How to turn your idea into a successful start up.
- What are the challenges that one faces and how to overcome that.

The day ended and it was the time to bid good bye to our alumni, everyone wished that as the years pass by and winds of change keep blowing, the Alumni Meet too shall keep evolving with the pace of time, hoping to bring to the alumni and students an experience that they may cherish all their lives.

ZARURAT-CELEBRATING INNOCENCE

Zumba:

To give an enthusiastic start to the event, a Zumba session is organized. An amazing Zumba instructor Ms. Shefali Jain will be conducting aerobics session for the kids which will be a blend of music with exercise.

Prastuti:

An event in which kids from various NGOs will showcase their talent in singing, dancing, skit and fancy dress and will fill the atmosphere with the zeal and charisma.

Jharokha:

Tales have always fascinated the kids. The famous story teller Ms. Shivangi Sharma will be narrating amazing stories to the kids.

Kalakriti - "A Creative Endeavor"

This session is a creative round that provides a platform to the participants to go beyond the ordinary and create their own masterpiece. This session focuses to bring out the artistic creativity of the kids. This year the kids will decorate photo frames which will be displayed in the A-Block to make a photo wall.

Parivartan: Inspired from the "Swachch Bharat Abhiyaan" this session will emphasize on making kids aware of the benefits of clean and hygeinic surrounding.

Hungama: Something new in the lives of these kids always make them delighted. Keeping this in mind, we have planned to organize a puppet show for the kids.

ZARURAT-CELEBRATING INNOCENCE



Limca Book of Records' Assembling:

This session will include a record building where 25000 origami flowers will be assembled to make the biggest origami flower basket.

Bal Mahotsav: This session is for the kids to enjoy the fun and frolic of childhood. There are stalls and games of various kinds for the children. The sole purpose is to make the kids enjoy the brighter colors of the life.

Parting goodies:

The whole day event will come to an end with distribution of goodie bags and flying of gas balloons. The kids part their ways carrying a big bright smile on their faces and their eyes promising to meet again next year.



ANDROID APP

Students of JECRC Foundation recently made an android app 'RAIL HEALTH KOTA' for Middle West Railways.

It was launched by the General Manager of Jabalpur Zone – Girish Pillai. It is the first app of medical services in Indian Railways.

Trains passing through the Kota region will now be able to provide emergency medical services to the passengers. By using the 'Emergency' button provided in the app, passengers will be able to get medical services on the next station.

Sumit Mittal, Pankaj Maheshwari and Diksha Lath of JECRC Foundation made this app. It will also be launched in Bhopal and Jabalpur zone once it gets successful. More options like PNR, Ticket Number and Class will also be provided in the future.



MBA SESSIONS

A session on pursuing MBA as a career option after B.tech was held by Panacea Institute for Excellence on February 21, 2018.

Students of 4th and 6th semester of IT Branch attended the session.

The session began with a simple question on "What is MBA". Afterwards, it proceeded with the lifestyle in B-schools, the rigorous training given and how much broader the opportunities become after pursuing MBA.

Students were also told about the streams in this course and the best institutes in India to pursue MBA. They were also told about the various examinations to get into the best management institutes. At last, students were provided with brochures of their institute.

The interaction program was enjoyed by all the students.

SOCH- KUCH KAR DIKHANE KI

SOCH an acronym for the social welfare, after organising 'VASTRA SAMMAN' and 'SWACCH JECRC' successfully moved towards their next event 'OCIP' (ORPHANAGE CHILDREN INTERACTIVE PROGRAM) in JECRC Foundation, Jaipur.

OCIP is an event where the team SOCH spends a full day with the orphanage children and conduct various activities like playing, dancing and have lots of fun together. The objective of this event is to inculcate some sense of social responsibility and have perception for the talented but underprivileged ones. There is a sense of happiness in everyone who serve those children and a connection between the two sides brings up the best of humanity.

SETTING UP FOR OCIP

The preparation went on for a month before the event to outflow any challenges and making the event a big success. The plan was set out and everyone started working. Creation cell made the posters, artifacts for the event and to maintain the decorum of the stage and event was all up to them. Promotion team promoted the event to the fullest and collected donation for the event. The content writers covered up their part and made out the itinerary for the event as well as the contents for the day and posts. This time SOCH invited 'SHREE SUKH SEVA SANSTHAN' and 'ASHARYA CARE' orphanages to become a part of this event.

THE EVENT DAY

Finally the day came, 12th February 2018 which was thrilled with the preconceived thoughts of enjoyment, members of SOCH started preparing early in the morning for the event.

Finally the children arrived, they were served breakfast and were accompanied to GH lawn where they were heartily welcomed. A lot of performances were organised for the children. A play area was created for a session of playing and enjoying.

HIGHLIGHTS OF EVENT

After having a healthy and yummy lunch an open painting competition was organised to bring out the hidden talents and to let their imaginations flow through their brushes and crayons. They were given colours and sheets and the winners were awarded with goodies.

Then came the most interesting part, dancing and singing performances by the children and college students.

The children came up and took up the stage to show their talents. They all performed very well and some of them were awarded with prizes. College students gave their performances which were extremely mesmerising for the gathering. A complete fun dance session was organised where everybody moved on the beats. It was finally the time for band performance and it rocked the stage, everyone was amazed by their performance. The children were given goodies and gifts. Everyone had an inner satisfaction and happiness to see real smiles on those cute faces.





Microsoft Imagine Cup



JECRC always try to take educational initiative for the benefits of the students so this is one of them.

This event is organized to spread awareness towards Microsoft Imagine Cup and Microsoft Azure Cloud, completely driven by Microsoft Professionals.

It was conducted by Venkatesh Sarvasiddhi And Vibhor Shrivastava.

There was also a hand-on-session on Microsoft Azure.



Imagine Cup is considered as “Olympics of Technology” by computer science and engineering and is considered one of the top competitions and awards related to technology and software design. All Imagine Cup competitors create projects that address the Imagine Cup theme: “Imagine a world where technology helps solve the toughest problems.”

It is a global competition that empowers the next generation of computer science students to team up and use their creativity, passion, and knowledge of technology to create applications that shape how we live, work and play. Every year tens of thousands of students from across the globe compete for cash, travel, and prizes and for the honor of taking home the Imagine Cup!

It is hosted by Microsoft Corp, which brings together student developers to help resolve some of the world’s toughest challenges

The program concluded with the distribution of sweets.

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It's fine to celebrate success but it is more important to heed the lessons of failure.

Bill Gates

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The advance of technology is based on making it fit in so that you don't really even notice it, so it's part of everyday life.

Bill Gates

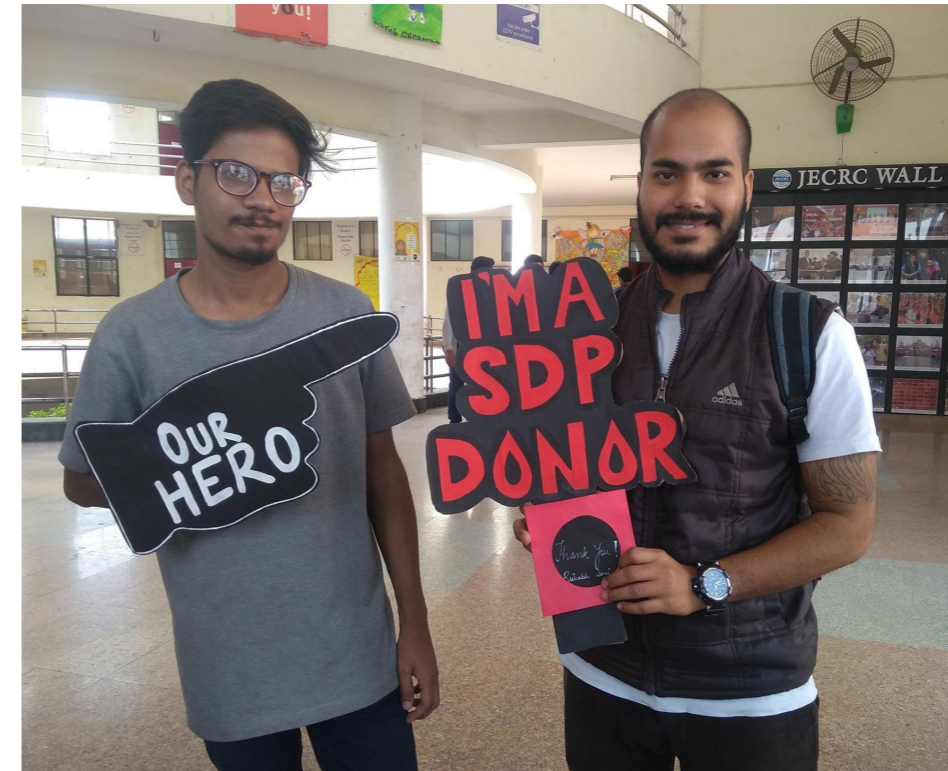
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Aashayein



Aashayein - The Life Saviours, an aristocratic student initiative of JECRC consistently working to fulfill the growing demands of fresh SDP's . Cherishing and celebrating all our SDP donors and female blood donors, team Aashayein organized Felicitation ceremony at JECRC Foundation campus on 21st February, 2018. Dr. Samit Sharma, Director, Social Justice and Empowerment, Rajasthan and Sh. Girish Sharma, Asian Paralympics gold medallist 2008 ignited the event as the guests of honour.

The ceremony initiated with the lightening of lamp in reverence of goddess Saraswati, symbolising the enlightenment in darkness and was illuminated with the benign presence of Sh. Amit Agrawal, Vice Chairman, JECRC Foundation, Sh. O.P. Jain, Senior Advisor, JECRC, Sh. Manish Jain, Dy. Director, Special Projects, JECRC and various other dignitaries.



A deep emotion reflected in everyone's eyes when beneficiaries shared their heartfelt experiences. More than 150 SDP donors and around 60 female donors were felicitated by esteemed guests and dignitaries. Dr. Samit Sharma motivated the budding minds for keeping up this incentive of contributing to the society. Sh. Girish Sharma induced young donors to keep up their positive spirits and not let any difficulties or disabilities weigh oneself down. The ceremony culminated with a vote of thanks from Sh. Kuldeep Sharma, Faculty Coordinator, Aashayein-The Life Saviours and the vow to continue this humanitarian service to aid the society.



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"Blood Donation Will Cost You Nothing But It Will Save A Life!" "If You're A Blood Donor, You're A Hero To Someone, Somewhere, Who Received Your Gracious Gift Of Life." "A Life May Depend On A Gesture From You, A Bottle Of Blood." "The Finest Gesture One Can Make Is To Save Life By Donating Blood"

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A life may depend on a gesture from you, a bottle of Blood.

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MICROSOFT WOMEN'S DAY



March 8 is celebrated as International Women day. As it is wisely said “What better way to celebrate it than to shine light on ladies who have contributed to society with their talent , perseverance , and timeless wisdom.”

So with this motive of empowering women , Microsoft chooses Jecrc Foundation for conducting Indias Largest Diversity Camp.

On 8 March 2018 , Microsoft arrived at Jecrc to hold a special program for the girls and for disabled students.This was one of its kind in India to promote diversity today and girls from all over the Jaipur came together to celebrate this International Womens day at Jecrc.

The two day diversity camp begins by lamp lightning by special keynote speaker Annie Mathew Ma'am ,Sr. Director Microsoft addresses all the womens and all the physcially disabled students and shared her story of maintaing both work and home life. She was accompanied by Venkatesh Sarvasiddhi , Head academics Initiatie , Vibhor Shrivastava , Msp program manager and Imagine cup world finalist Osheen Chavhan .

MICROSOFT WOMEN'S DAY

The event took off with some tricky qusetions by Vibhor Shrivastva and the students were awarded with the lot of goodies.

Later the event proceeded with the hands on session by Osheen Chawal and Deepshikha Parakash ,the hands on session include working on Microsoft Azure .

The two days event was a huge success and to conclude the two days event All the students were provided with the certificate.



J-TECHTRIX 3.0



"Starting something new and great requires effort, persistence and motivation. You should focus on doing your best and celebrate each and every step of the way."

J-Techtrix 3.0 took its first step when honourable Director sir, Shri Arpit Agarwal alongwith respected teachers launched the poster. The journey started and by a lots of zeal in the students, it became a grand success. Students flaunted their technical skills on 17th March, 2018. Under the coordination of Mr. Naveen Kedia, IT department managed 23 participations from our which was the highest among all the other departments.

J-TECHTRIX 3.0



With an endeavor to promote scientific attitude among the fanatic young minds, this project exhibition focused on encouraging the innovations within them. The key objective was to bring out the hidden talents and inculcate technical knowledge in the students. By forming a group of 4, students were allowed to showcase their scientific fervor in many ways and the best ones won exciting prizes department wise.

IT department invited 3 of its alumni to judge the scientific fervor and evaluate the projects presented by the students. These three highly talented girls got their name in the RTU MERIT LIST and made the department as well the college proud of them. Ms. Priya, currently working in Metacube, Ms. Palak, currently working in Appirio and Ms. Garima, working in Accenture evaluated the projects and shared their experiences.

RAJASTHAN IT DAY



The theme of Rajasthan #Digifest – ‘Improving Today Inventing Tomorrow’ is symbolic of how in a technology driven world, change leads to growth

Vasundhara Raje, Chief Minister, Rajasthan says, “Our vision is to digitally empower every citizen of the state to enhance their quality of life and become innovation and knowledge hub of the country.”

Continuing with its commitment to support and strengthen the technological ecosystem of the state, the Department of Information Technology and Communications under the Government of Rajasthan has organised the third edition of the Rajasthan IT Day from March 18-21 at Jaipur.

This year’s theme for the IT Day celebration revolves around providing a platform to e-mitras, education providers, students as well as startups. The four-day event aims to provide the participants an opportunity to portray their out-of-the-box products and services and seek support from the government.

RAJASTHAN IT DAY



There was intensive panel discussions by reputed speakers across the nation, exhibitions on the latest innovations in the field of IT & e-Governance, along with workshops for tech wizards and emerging startups.

The event was witnessed by eminent leaders from various fields, dignitaries of Government of India and Government of Rajasthan, IT industrialists and business tycoons.

Many students from the college participated in this event and as always the IT dept. Students showed their participations in the 36 hour Hackathon and many more other events.

The total of 8 Team from IT dept. has participated in this four day event.



ATHLON 2K18



Athlon 2018, the annual sports fest of JECRC, awaited it's sporting prodigies to raise the bar once again and filled the ever expanding canvas with new fervour and flavour. It was a call to all those who are always ready to leave their fear behind and breathe their passion in.

The sports club at JECRC provides platform to all the young enthusiasts who have interests in various games. Not being limited to just 1 or 2 games, it widens the thought of sports. From 19th March, 2018 onwards, all the JECRCians were ready to sweat it out for glory.

From Basketball to Volleyball, athletics to fun games, and carom to arm wrestling, sports club provides all the opportunities to the youngsters to nurture their physical health and lead towards a peaceful mind.



ATHLON 2K18



Athlon'18 was held for 3 days and became a great success only because the support and guidance of the college administration and staff. Apart from enduring events, fun events were also organized so that everyone can enjoy and refresh their minds. Not only students, even teachers also participated in the fun games and enjoyed a lot.

The event concluded with Prize Distribution followed by appraising words from Director Sir, and Principal sir.

ZARURAT-CELEBRATING INNOCENCE



Zarurat

Fests and Fairs used to be the biggest attraction when we were kids. The aroma of cotton candy, the thrill of a merry-go-round. Everything attracted us in a way that can't be found in any other thing nowadays. The Bal Mahotsav brought by team Zarurat before every Renaissance is an opportunity to bring back those memories. The event that sees an annual footfall of more than 2500 students allows you to dive into the nostalgia of childhood. An extravaganza of food and games that each and everyone in JECRC enjoys a lot.

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





ZARURAT-CELEBRATING INNOCENCE

The guests of honour were Ms. Sudha Varghese and Dr. S.B. Jhawar for gracing the occasion and making the day even more beautiful. This endeavor wouldn't have been possible with the support of Sri Arpit Agarwa, Directo, Jecrc.

Everyone who was there dived into endless joy and enthusiasm and celebrated innocence. This wonderful fiesta brought countless smiles on everyone's faces. Be it the innocent faces of small kids, the volunteers escorting them or the teachers who were highly engrossed in watching those wonderful children.

In seven long years, team Zarurat has brought innumerable smiles and endless moments of reliving childhood. Zarurat - Celebrating Innocence has always been a chance to content everyone in the most optimistic way and spend a quality time with more than 300 cute toddlers spreading the cutest smiles all around.



REN 18

RENAISSANCE 2K18

Renaissance'18

About Renaissance

Renaissance, the annual techno-cultural festival of JECRC college is one of the largest in India. Held in march every year, it attracts a massive crowd of students from a lot of colleges nationwide. It creates a mesmerizing experience for all its attendees, simultaneously providing unique opportunities to the students for showcasing their talents in front of extremely large audiences and top-notch judges.

Continuing the legacy, Renaissance'18 made the four days of the lives of the attendees the most happier and delightful ones.



REN 18

RENAISSANCE 2K18

About Technical events

With the motive of encouraging technology and scientific thinking, JECRC College conducts various technical events in its annual fest. The technology enthusiasts showcased their intelligence and inventiveness on a massive platform in the events organised by all the departments of the college.

Last year in Ren'17, we had 43 technical events and this time in Ren'18 with more scientific minds and advanced technologies, we had 50 events. The events that were conducted by INFORMATION TECHNOLOGY department are described below-

SUBITO

In Renaissance 2018, a mini Hackathon type event SUBITO was organised by IT department on 28th March, 2018. It is a technical theme based event for web, mobile app development. Participants prepared the app/webpage in given time and showcased their work in the front of panel of judges. There were two competitions in this event each having it's own winning prize.

Front-End Ninja(For Front end only Time: 3hrs)

Full-Stack Ninja(For Front and Back end both Time:6hrs)

Productivity is never an accident. It always the result of a commitment to excellence, intellegent planning , focused effort.

Paul J. Meyer

REN 18

RENAISSANCE 2K18



JUST C

Just C was an event based on C programming language which featured cash prizes worth over Rs. 30,000. It was organised on 27th March, 2018. It consisted of two rounds – a Quiz as well as a Competitive Programming round – which tested their understanding of the C programming language, Computer Science fundamentals as well as the ability to creatively put it all together to write programs which solve problems inspired by real life situations. five Runner ups were awarded prizes of Rs.2,000 each and cash consolation prizes were given to the next 20 contestants.

REN 18

RENAISSANCE 2K18

Java lets

Java let's is a technical event which tested the abilities of students to code in JAVA. The team consisted of two members and the event observed a massive participation. The event was organised on 25th March, 2018. Students from different colleges also took part in this event.



Embryo

A national level paper presentation contest where different Scientific and Technical researches ignited with innovative ideas meet under the same shade. It was organised on 25th March, 2018.

The participants gathered their research, proliferated their energies and geared up with full enthusiasm to present their paper in this event. The first winner was given Rs. 2100 and top 10 were awarded consolation prizes of Rs. 500 each.

REN 18

RENAISSANCE 2K18

New venture

It is the annual Business Plan competition organized by E-Cell JECRC. It was a programming competition which was aimed towards testing interest and skills of students in business plan. A huge number of participation of students from different colleges was recorded. Each year in Renaissance, the event seeks to identify budding entrepreneurs that may have the potential to contribute the buzzing economy in the coming future. The first winner was awarded with Rs. 21000 and 10 consolation prizes of Rs. 500 were given.

all level paper presentation contest where different Scientific and Technical researches ignited with innovative ideas meet under the same shade. It was organised on 25th March, 2018.

The participants gathered their research, proliferated their energies and geared up with full enthusiasm to present their paper in this event. The first winner was given Rs. 2100 and top 10 were awarded consolation prizes of Rs. 500 each.



REN 18

RENAISSANCE 2K18

Reverse Engineering

It is a unique competition for the students to display and enhance their skills in PC assembling with great precision and speed. Participants had to demonstrate their abilities to follow instructions to put together a CPU using the right components and tools. It was organised on 26th March, 2018. Two participants per team were allowed to assemble the components of CPU given to them. Teams which took the least amount of time were awarded with great cash prizes. The first, second and third winners were given Rs. 11,000, Rs. 6000 and Rs. 4000 respectively.



REN 18

RENAISSANCE 2K18

Tech Probe

On 26th March, 2018, a battle of brains was organised by IT department.

It was a quiz competition with a lot of technical as well as fun questions. The students grabbed the opportunity and showcased their talent by taking part in this quiz.

Consisting of three rounds, this competition observed a massive participation from all the departments of our college. The winners were awarded with cash prizes and the event ended up with lots of memories for the participants.



SIH 2K18

Our Hon'ble Prime Minister, Shri Narendra Modi, envisages a Digital India to bridge the digital divide in our country and further promote digital literacy in order to make development a comprehensive mass movement and put governance within everyone's reach in India. In order to work towards our PM's vision, MHRD, All India Council for Technical Education (AICTE), Inter Institutional Inclusive Innovation Center (i4C), and Persistent Systems organized Smart India Hackathon 2017, a unique initiative to identify new and disruptive digital technology innovations for solving the challenges faced by our country

To reiterate the efforts towards our PM's vision, MHRD, AICTE, i4C, and Persistent Systems proposed the 2nd edition of this initiative – Smart India Hackathon 2018. 45+ union ministries and departments and 18 state governments joined this grand initiative, making it much bigger than the previous edition.



SIH 2K18

Through this initiative, govt. departments directly engaged with thousands of technical students and challenged them to build digital solutions to improve their efficiency, plug revenue leakages and corruption.

Smart India Hackathon 2018 was a non-stop digital product development competition, where problems were posed to technology students for innovative solutions

The SOFTWARE and HARDWARE edition were as follows-

- Software Edition was a 36 hour software product development competition, similar in concept to Smart India Hackathon 2017
- The new Hardware Edition was a hackathon where teams worked for 5 straight days and made their hardware solutions. This competition was limited to only 5 nodal centers with 20-25 teams each.



SIH 2K18

The government of India gave the responsibility of hosting the biggest innovation model to JECRC for the second time in a row. Shri Narendra Modi was LIVE at JECRC "ONCE AGAIN" on 30th March, 2018 at 08:00 pm to address the young innovators of SmartIndiaHackathon2018.



SIH 2K18

Our esteemed guest for the Valedictory Ceremony of Smart India Hackathon 2018 was Col. Rajyavardhan Rathore, Minister of State for Ministry of Information & Broadcasting, Minister of State for youth affairs & Sports, Government of India who made his presence to energize the participants of Smart India Hackathon 2018 at JECRC Foundation. He said that nowadays Information Technology reaches every field of today's scenario. He appreciated every single participant of SIH2018 and made them realize that winning is not important, instead coming out of the comfort zone and taking up real life problems is. At last, he proudly exclaimed, "India is in safe hands!"

JECRC remained in the limelight for the entire event SIH2018 and various leading newspapers covered the event



International Conference on Information Technology and Digital Applications (ICITDA-2018)

International Conference on Information Technology and Digital Applications (ICITDA-2018) was organized by Department of Information Technology JECRC Jaipur, in association with Springer Nature- BJIT, IJETAE, IJCEA on 6th-7th April 2018 .

Inaugural session was organized on 6th April, 2018. In session, dignitaries from various institutes were present Prof. (Dr.) Noe. G. Alba-Baena from University of Texas; Shri Gunjan Saxena, General Manager in BSNL, Jaipur; Prof. (Dr.) Deepak Garg from Bennett University; Prof. (Dr.) Rajesh Kumar Tiwar from RVS College of Engg and Technology, Jamshedpur; Prof. (Dr.) Peeyush Chandra Retd. Professor of Mathematics from IIT Kanpur; Prof. (Dr.) Meghanshu Vashista from Department of Mechanical Engg, IIT BHU; Prof. (Dr.) Purshotam Chaturani, Retd. Professor of Mathematics from IIT Bombay. A video talk was also delivered by Prof. (Dr.) Paulo Haufs.

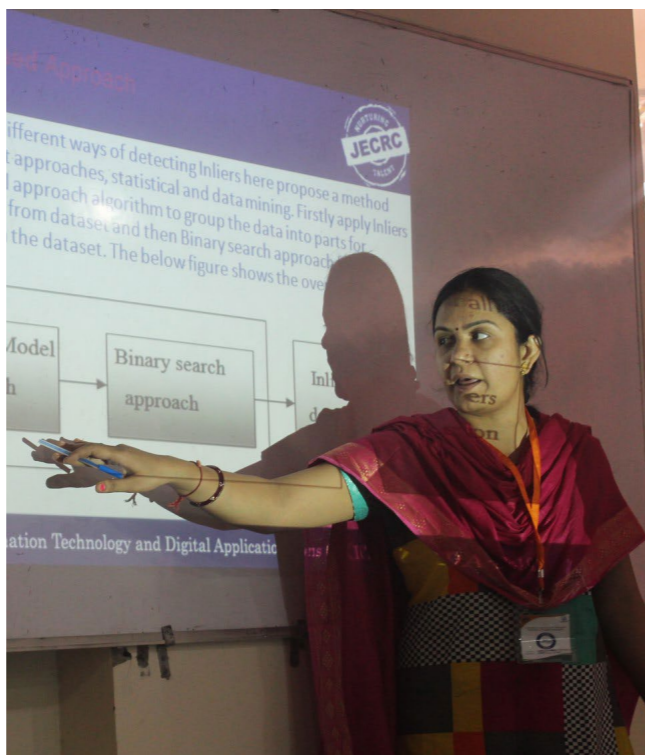
The conference was designed to meet and discuss with the academicians and researchers to meet the practical solutions, scientific results and technological developments in solving various problems with people who are actively involved in emerging research fields. We are happy and proud to share with you that 313 research papers from various researchers uploaded on easy chair portal for ICITDA-2018, 104 research papers were finally selected after going through 2 levels of peer review process. 80 authors presented their innovative ideas through research paper on 6th - 7th April 2018.

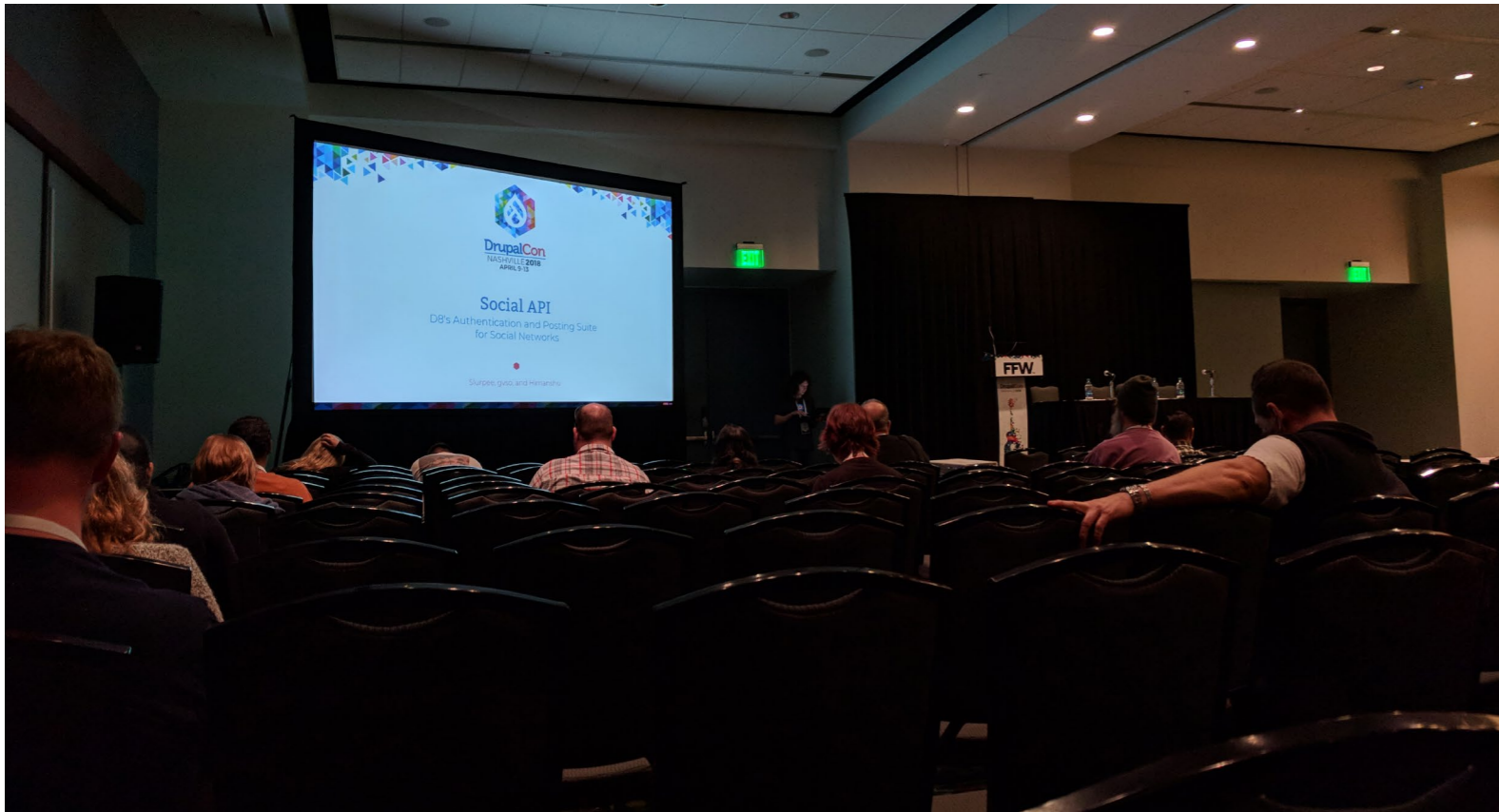


We were also honored to have Prof.(Dr.) Deepak Garg from Benett University Greater Noida, Prof.(Dr.) Rajesh Tiwari from RVS college of engineering and technology Jamshedpur, Prof.(Dr.) Kamal Kant Hiran from Aalborg University Denmark, Prof.(Dr.) Durgesh Kumar Mishra from Sri Aurobindo Institute of Technology Indore, Prof.(Dr.) Rajesh Laskary from Nsearch Global Singapore, Dr. kailash mehaswari from Saudi Electronic University, Riyadh as keynote speakers.

To guide the authors & fertilize the raw brains of young talents with their experience we invited to chair the session Prof.(Dr.) Deepak Garg from Benett University Greater Noida, Prof.(Dr.) Rajesh Tiwari from RVS college of engineering and technology Jamshedpur, Prof.(Dr.) Sandeep Kumar Poonia from Amity University Jaipur, Prof.(Dr.) Naveen Hemarajani from Jecrc University Jaipur, Prof. (Dr.) Deepak Dembla from Jecrc University Jaipur, Prof.(Dr.) Surendra Yadav from Career Point University Jaipur, Prof.(Dr.) Vikas Gupta from VCET Mumbai, Prof.(Dr.) Akash Saxena from Compucom Institute of Information Technology and Management. We were honored to have such eminent personalities as our session chairs. After presentation each author was awarded certificate of participation from our eminent academicians/ session chairs.

We hope that the conference has significantly contributed to the society by serving the engineering community thereby providing innovative results.





Drupalcon 2017

Mr. Himanshu Dixit of 3rd year (IT) was invited to speak on his project at Drupalcon 2017. The project that he worked on during last summer is 'Social API' which is used by more than 1,00,000 websites.

He talked about his journey and how he implemented the project. He shared the stage with his mentors - Valentin Sanchez and Matthew Lechledier.

The conference was the biggest annual conference in Drupal with the single ticket of event costing 600\$. The conference was organised in Nashville on April 9th and 10th.

His hotel, travel and food expenses were covered by Drupal.

He said that he was lucky to talk about his project and interact with experts in the same domain during the Drupalcon.

He is currently looking forward to continue his journey by mentoring in Google Summer Of Code.



Ted talk

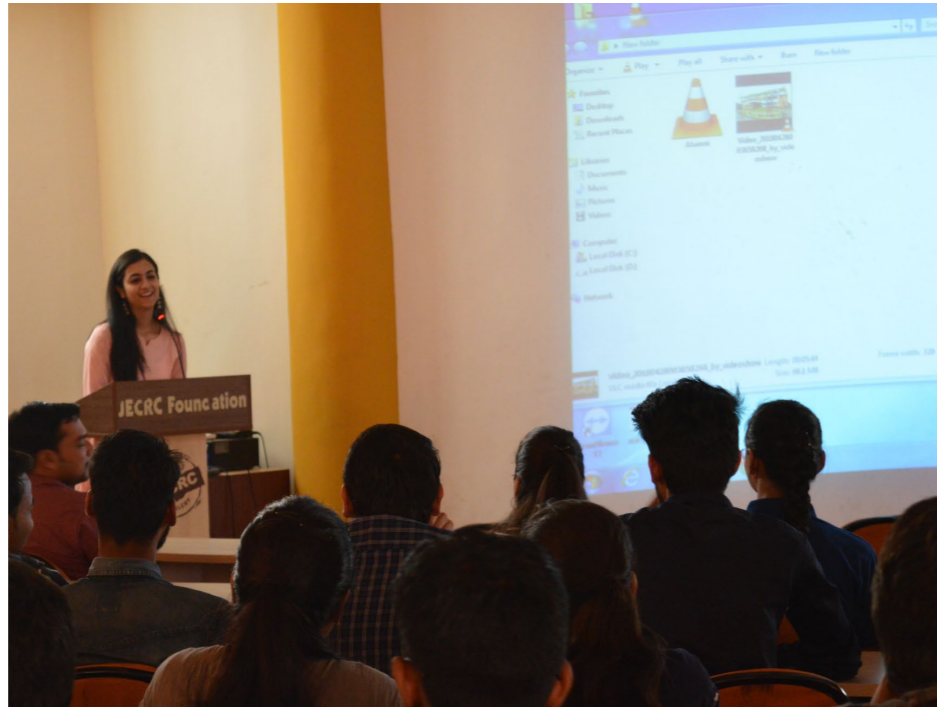
Mr. Shrey Mishra, 2010-JECRC-IT pass out got a chance to deliver his first TEDx Talk and it was about how games can be used to solve real world problems.

His talk covered how technology now enables a lot of game based techniques to make mundane processes more fun, engaging and efficient.

He said that it was a great opportunity to interact with industry leaders and discuss about how ideas shape the world which was also the core theme.



FAREWELL 2K18



They started here together and they are leaving the same way.

The day finally came, when 4th year students had to bid goodbye to the college, to the department and more than anything: to each other. It was "The Farewell" for the class of 2018.

The day began with all the students sitting in the Seminar Hall together for the one last time. A slideshow of all their memories since the last 4 years combined, containing each and every person from the department was enough to bring back all the flashbacks. A combined effort of the juniors was fruitful and they all felt nostalgic.

Then, moving forward were the experiences of last 4 years shared by some of the students, including each and everything be it bunking classes or end moment completion of the assignments. The experiences as narrated were like a time lapse, revisiting each and everything they lived in the past 4 years.

After this, it was the time for memento distribution. Each and every student was presented a memento by the IT Department, with their names on each individual memento. It felt so special to everyone, receiving the memento from their dear teachers who were always there as a constant support throughout and helped them in the best possible way they could.

The session continued by the Alumni videos which highlighted the essence of college life and best wishes for their future. The faculty members then appreciated each and everyone and extended their heartfelt gratitude and warm wishes for the students.

The day ended with a beautiful poem which is as follows:

College the place where it all started.

There would be no classes,
Was just a myth

It was shocking when the reality hit.

Sitting at last skipping the lecture speech,

To calling a friend before exam just to teach.

It all started here.
From regular class to bunk in mass

It all started here.
Faculties becoming friends
To friends becoming faculties,
Learning from friends to
Faculties telling you stories.
It all started here.
I came with a aim,
To learn different technologies,
But now when asked to code,
I ask for apologies.

From being strangers to friends,
From a smile to pranks,
From taking suplimentries to
leaving copies blank,

From borrowing assignment to
saying a thanks.

It all started here.
4 years passed just in a span,
This day would be marked as this
journey ends.

From building new hopes , to
building it all

Let's start a new journey to build
our careers,

Don't shed any tears,
Forget all your fears,
As now we'll be called
Engineers.

By: Chetan Rajoria



After the Farewell, group photo sessions were there, and the shirt signing where each one of them left a mark of their presence on the shirts and promised to stay in touch. As they parted, it was an outpour of emotions for the students.







KNOW OUR TEAM



Mr. HarshVardhan Binyala
IV Year



Ms. Divya Asija
IV Year



Mr. Ankitesh Arora
IV Year



Ms. Neha Gupta
III Year



Ms. Diksha Lath
II Year



Sourabh Agrawal
II Year



Ms. SIMRAN
II year



Ms. Ritisha Kothari
II year

Mr. Sunil Jangir
Head of Department
Department of Information Technology



Mrs. Shikha Shrivastava
Assistant Professor
Department of Information Technology



Ms. Shweta Saxena
Assistant Professor
Department of Information Technology





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