IT NEWSLETTER

MARCH 2018

Department of Information Technology

JECRC\IT\NL\03\2018

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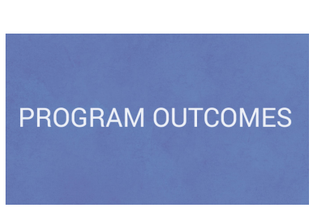

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VISION AND MISSION

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

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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 AND MISSION

Vision & Mission of Department of Information Technology

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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.

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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

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 .

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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.

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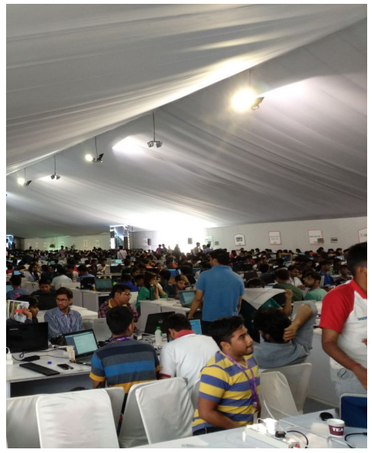
RAJASTHAN IT DAY

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 organisied the third edition of the Rajasthan IT Day from March 18-21 at Jaipur.

This year's theme for the Rajasthan 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.



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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 particpations in the 36 hour Hackahton and many more other events.

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

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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 to 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.

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ZARURAT-CELEBRATING INNOCENCE

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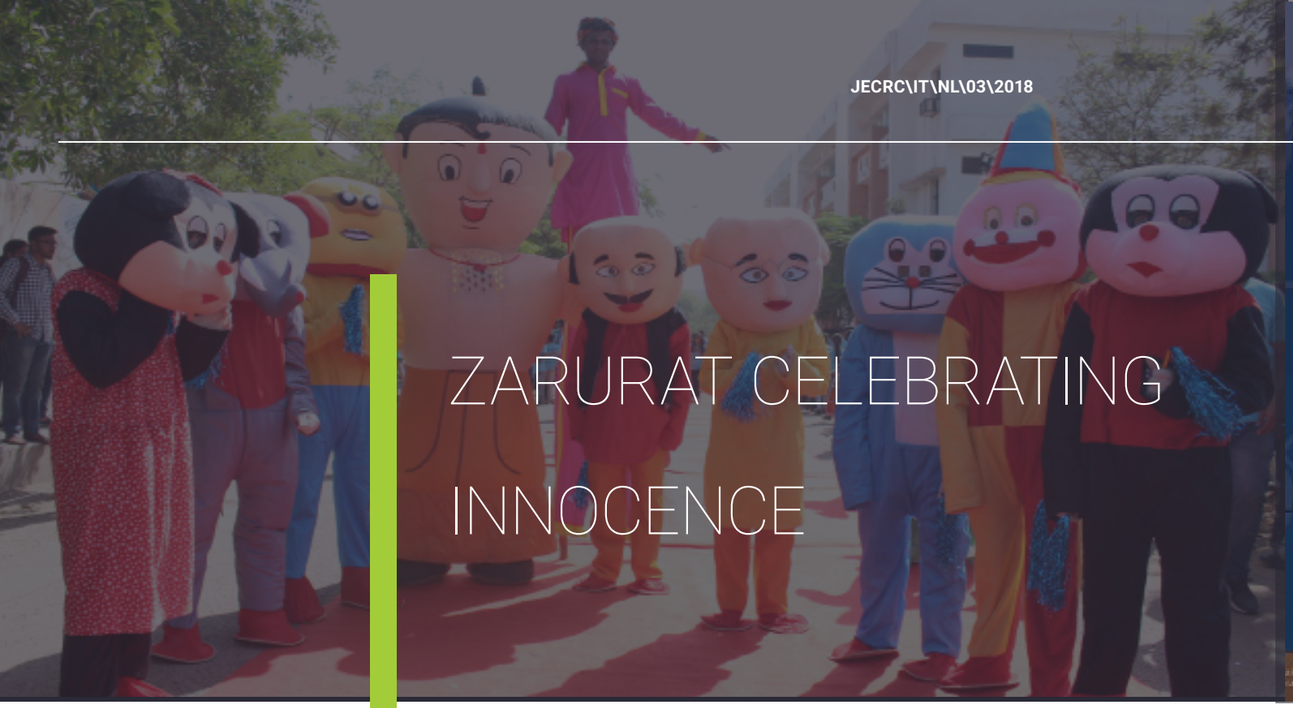

ZARURAT CELEBRATING INNOCENCE

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 endeavour wouldn't have been possible with the support of Shri Arpit Agarwal, Director, 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.

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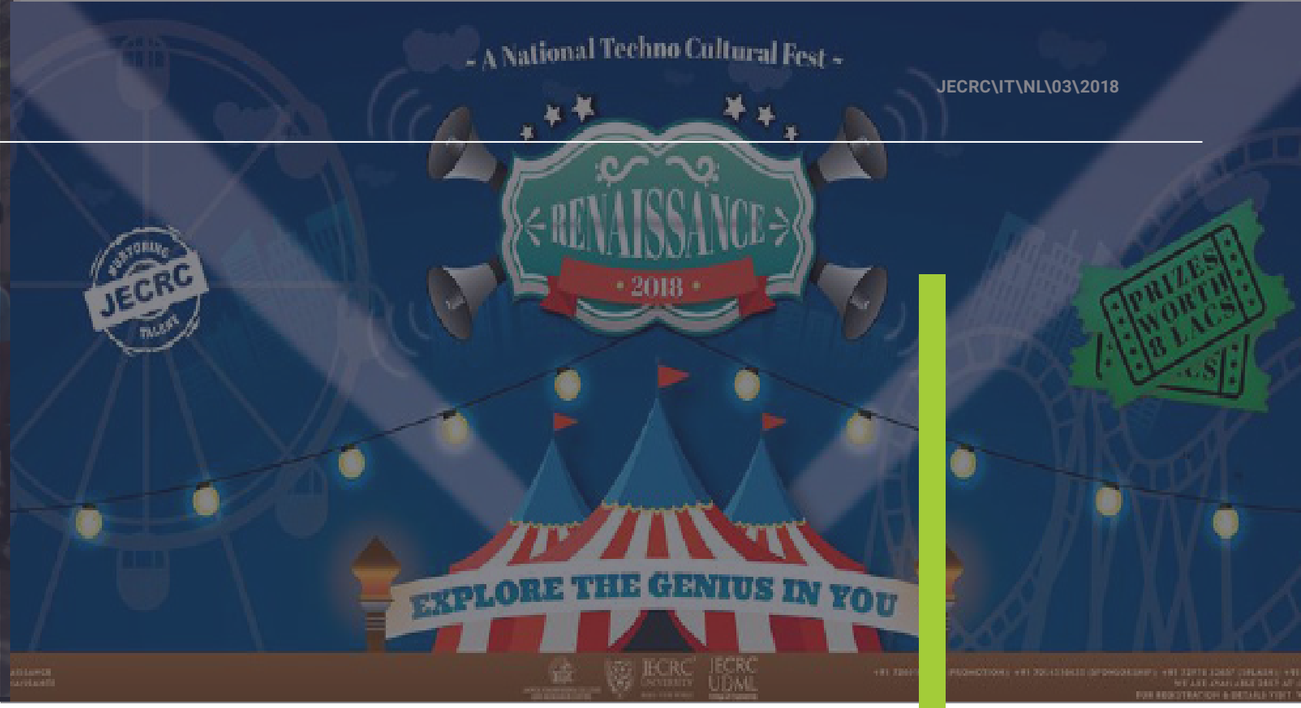

Renaissance'18

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.

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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 wining prize.

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

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

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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.

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.

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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.

al 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.

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.

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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.

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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.

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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.

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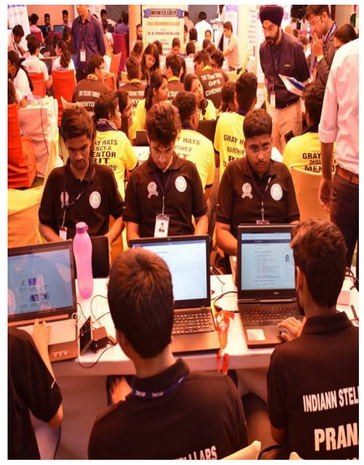
SIH 2K18

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

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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.SIMRAN
II year

Ms. Diksha Lath
II Year

Mr. Sourabh Agrawal
II Year

Teacher Coordinator

Mr. Piyush Gautam
Assistant Professor
Department of Information Technology

Ms. Shweta Saxena
Assistant Professor
Department of Information Technology

Mr. Sunil Jangir
Head of Department
Department of Information Technology

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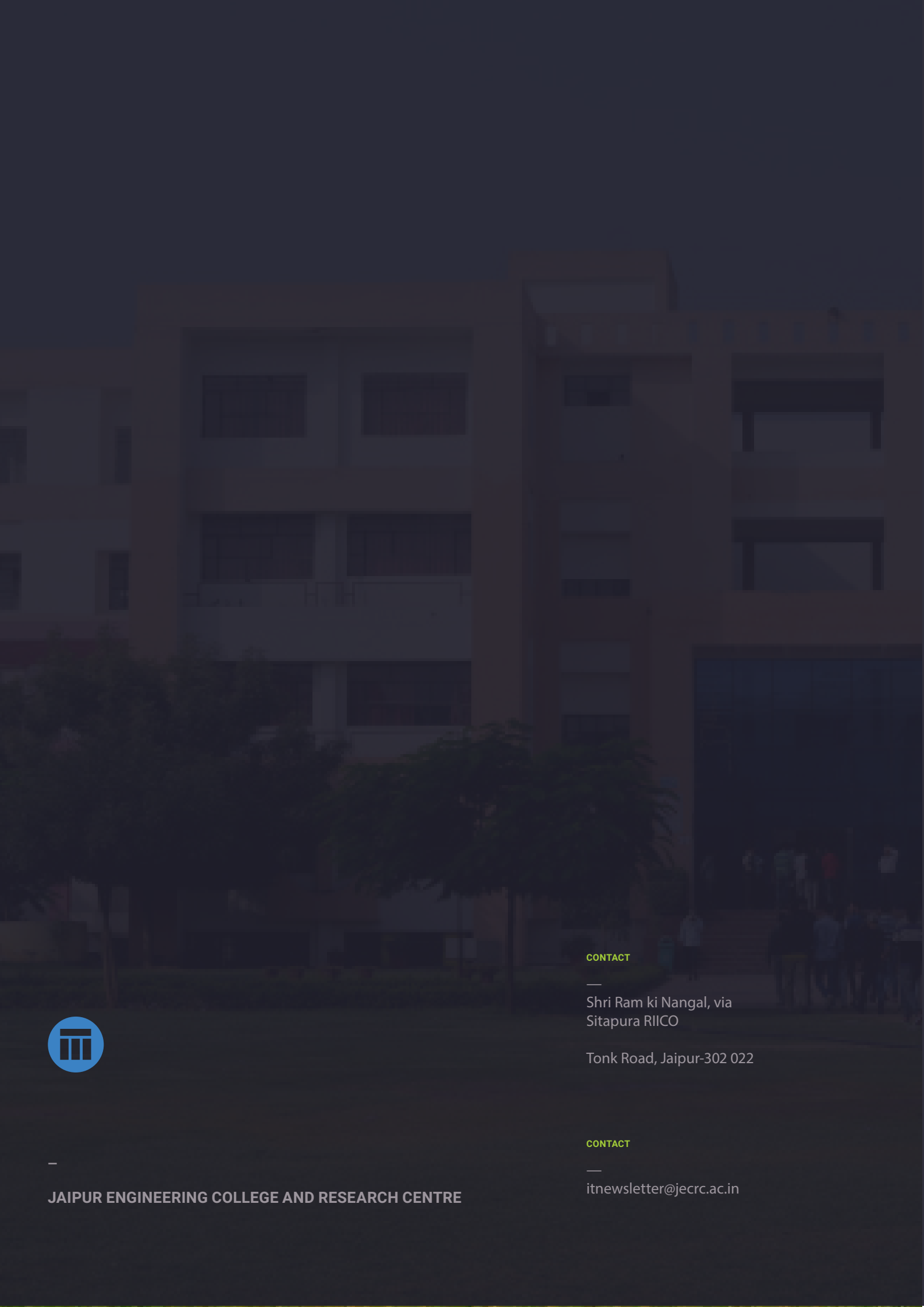

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