



CSE SCOOP

A CSE MAGAZINE

DEPARTMENT OF COMPUTER
SCIENCE & ENGINEERING



ABOUT JECRC FOUNDATION

An individual's freedom lies in the way he is taught to express his thoughts, and this expression essentially comes from education. Established over a decade ago, JECRC Foundation has been providing quality education to its students, setting rationale in their minds for the transformation of technology, and ideologies of the world at large.

Perceived as the unparalleled educational group, JECRC Foundation is continuously ascending the steps of glory by establishing premier institutes in the field of engineering, management and pure & applied sciences; viz. :

Jaipur Engineering College & Research Centre (JECRC)

JECRC UDML College of Engineering (JECRC UDML)

JECRC University

Every year, more than 5000 students entrust JECRC Foundation with the responsibility of shaping their minds for a better future. Commanding the priority list of best engineering colleges in Jaipur, it has become the preferred choice of students from all across India, showing keen interest in admissions through various mediums of JEE and REAP.

Development of a unique and creative approach to life and education is the prime focus of JECRC Foundation.

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DIRECTOR'S DESK

Mind always searches for new doors and paths to travel, and unless the correct education guides it onto it, the purpose of an educationist fails. JECRC has been serving this higher purpose at every step they traverse with the students. We at JECRC facilitate the students with a mind-bending environment necessary for them to develop every attribute of their personality.

This newsletter by the CSE Program is an initiative to aid the people in gathering information about happenings of the department. This noteworthy attempt to notify about the progress of the college and various events being conducted by the department is much appraised. The teachers are putting their best foot forward to inhabit the inquisitiveness and curiosity among the students.

Along with this, I congratulate the faculty members on their untiring efforts to make JECRC at par with other institutes of acclaim. A sense of pride and joy runs through me seeing every staff member, and the students, taking up new challenges and exploring new fields pushing forward their own limits.

I welcome all keen and curious minds to be a part of JECRC and experience a fete of exquisite learning methodologies and opportunities to bring alive all the aspirations. Good luck!

Mr. Arpit Agarwal
Director, JECRC



PRNCIPAL'S DESK

Technical education is seeing new reforms every once in a while, and that is rightly, the need of the hour. To bring these reforms in practice, and to offer engineering students a new vision of creation, JECRC was established eighteen years ago. With this departmental magazine, CSE Department has progressed further in making everyone aware of our goals and their successful achievement.

Computer Science & Engineering department is endowed with the best of faculty and staff members, deeply committed to skill based learning, and making students keen about advancements in the field. This program has procured great growth and continues to bring laurels to JECRC, making us proud by excellent results. Every field, be it research, entrepreneurship, industry, or a job; success in every dimension is achieved by the students. The faculty never fails to push students to achieve their dreams and offers guidance to turn their dreams to reality.

All career-oriented and curious queries are welcome by them, which guarantee an exponential growth to the young minds. I wish for the institute and department to progress further with an ever increasing pace, and staunch support by the endeavors of all. Let us make JECRC a synonym for knowledge. Best wishes!

Dr. V.K. Chandna
Principal, JECRC



HoD'S DESK

Computer Science & Engineering Program works with efficiency and added strength in a manner which focuses on providing the best. A boundless environment and supportive faculty members challenge the students to expand their capabilities at every juncture. With the continuous evolution in technology and computer science, the department marches hand in hand with this progress, never letting the knowledge offered to students lag behind under any circumstances.

We nurture a student's needs to stimulate and grow boundlessly, and offer an environment inducing mind's capabilities to comprehend and infer. With regular training sessions, workshops, national and international conferences, CSE Department makes sure that the students get the best exposure, to develop their own selves.

With this second edition of SCOOP, I congratulate the students to take this initiative further and bring our department's activities to everyone's notice. Guiding and assisting them has been a pleasure. You will find everything that goes on behind the computer screens of our wing, with a scoop of our magazine SCOOP.

Best of luck to everyone!



**Prof. (Dr.) Vijay Singh Rathore
Head Of Department CSE, JECRC**



Vision and Mission of JECRC

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 and Mission of Department of Computer Science & Engineering

VISION

To become renowned Centre of excellence in computer science and engineering and make competent engineers & professionals with high ethical values prepared for lifelong learning.

MISSION

- M1. To impart outcome based education for emerging technologies in the field of computer science and engineering.
- M2. To provide opportunities for interaction between academia and industry.
- M3. To provide platform for lifelong learning by accepting the change in technologies.
- M4. To develop aptitude of fulfilling social responsibilities.



Program Outcomes

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Program Educational Objectives

- 1. To provide students with the fundamentals of Engineering Sciences with more emphasis in Computer Science & Engineering by way of analyzing and exploiting engineering challenges.
- 2. To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems.
- 3. To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues.
- 4. To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career.
- 5. To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge.



Program Specific Outcomes

- 1. Ability to interpret and analyze network specific and cyber security issues in real world environment.
- 2. Ability to design and develop Mobile and Web-based applications under realistic constraints.

CONFERENCES

International Conference on Emerging Trends in Expert Applications & Security (ICETEAS) 2018



International Conference on Emerging Trends in Expert Applications & Security (ICETEAS 2018) held on **Feb 17-18, 2018** at JECRC, Jaipur, technically sponsored by Springer – AISC, BJIT (Published by Springer, Nature), IEEE-JMS (JECRC Member Society), IGI-Global in association and UGC approved IJRRA along with AICTE, DST, RTU, Computer Society of India (CSI) & Association of Computing Machinery (ACM).

General Chair : Prof. (Dr.) Vinay K Chandna, Principal, JECRC

PC Chair & Convener : Prof. (Dr.) Vijay Singh Rathore, Head-CSE, JECRC

Co-Convener : Dr. Bhavna Sharma, JECRC

Ms. Shikha Maheshwari, JECRC

Objectives:

- o To address innovative advancements in Expert Applications & Security Issues
- o Provide opportunistic forum and vibrant platform for researchers and industry practitioners
- o Exchange of state-of-the-art knowledge on specific new challenges
- o Establish business or research relations
- o To find global partners for future collaboration on emerging issues.

Highlights:

- Four parallel sessions of five tracks
 - o Expert Applications and Artificial Intelligence
 - o Information and Application Security
 - o Advanced Computing
 - o Multimedia Applications in Forensics, Security & Intelligence
 - o Advances in Web Technologies
- 367 submissions from 639 authors of 10 different countries.
- Submissions checked through plagiarism checker
- Rigorously reviewed by at least three reviewers (average of 2.07 per reviewer)
- Acceptance rate of 17%
- 120 research papers presented

Keynote Speakers:

- **Prof. Marcel Worring**, Director, Informatics Institute, University of Amsterdam, The Netherlands
- **Prof. Vincenzo Piuri**, University of Milan, Italy
- **Dr. Sheng Lung Peng**, National Dong Hwa University, Taiwan
- **Dr. Peter Kent**, UKEI, London
- **Dr. Kirti Seth**, INHA University, Tashkent
- **Sh. Aninda Bose**, Senior Editor, Europe & Asia, Springer
- **Dr. C. P. Gupta**, Rajasthan Technical University, Kota
- **Dr. O.P. Rishi**, University of Kota, Kota.

Other eminent session chairs and guests present during the two day conference were **Prof. Rajeev Gupta**, Pro Vice Chancellor, Rajasthan Technical University, Kota; **Dr. Durgesh Kumar Mishra**, Chairman, CSI- (Div IV); **Prof. M. Hanumanthappa**, Director, Department of Computer Science , Bangalore University, Bangalore, **Prof. P. V. Virparia**, Sardar Patel University, Gujarat, **Prof. Atul Gonsai**, Saurashtra University, Rajkot, India; **Prof. C. K. Kumbharana**, Saurashtra University, Rajkot, **Prof. Bankim Patel**, UT University, Baroda; **Prof. Vibhakar Mansotra**, Professor, University of Jammu; **Dr. Pawanesh Abrol**, Professor, University of Jammu, Jammu; **Dr. Vinod Sharma**, Professor, University of Jammu, Jammu; **Dr. Jatinder Singh Manhas**, Associate Professor, University of Jammu, Jammu; **Dr. Vivek Tiwari**, Assistant Professor, **Dr. Shyama Prasad Mukherjee** International Institute of Information Technology, Chhattisgarh; **Dr. Paras Kothari**, Principal, Samarth Group of Institutions, Himmat Nagar, Gujarat;

Dr. K. Baskaran, Associate Professor & Head of the Department, Department of Electronics & Instrumentation Engineering, Government College of Technology Coimbatore; **Prof. P. K. Mishra**, Professor, Banaras Hindu University; **Dr. Tanupriya Choudhury**, Associate Professor, Amity University, Noida; **Dr. Praveen Kumar**, Associate Professor, Amity School of Engineering & Technology, Amity University, Noida; **Dr. Sumeet Gill**, Associate Professor, Maharshi Dayanand University, Rohtak; **Dr. S S Dalal**, Associate Professor, SRM University, Haryana; **Dr. Bhavna Arora**, Assistant Professor, Central University, Jammu; **Dr. Kusum Rajawat**, Principal, Shree Karni College, Jaipur; **Dr. Venkatesh Kumar**, Chairman, IEEE Young Professionals , Tamil Nadu Circle and **Dr. Bharat Singh Deora**, Associate Professor- Computer Science, JRN RajasthanVidyapeeth University, Udaipur.

Outcomes:

Contributes to the society by serving the expert community seeking to stimulate the development to improve lives throughout the world by providing innovative results.

आज के जनरेटेड डेटा को मैनेज करना काफी मुश्किल: प्रो. वॉर्सिंग

जेर्सीआरसी कॉलेज में शनिवार से दो दिवसीय इंटरनेशनल कॉन्फ्रेंस शुरू



निरी विरेंद्र | अल्प

200 मिलियन पॉटेंटिस को दुनिया के किसी भी कोने से देख सकेंगे

मैं महसूस भी नहीं करता कि ज्ञान-आर्थिक विकास एप पर एप्लोज़ डाउनलोड करने से लेनदेन कोई अपराध करने में शिक्षण डेटा गूंगा कर लेते हैं। मगर शिक्षण डेटा तह वा डेटा जनरेट हो रहा है तो मैनेज करना काफी मुश्किल है। ऐसे लोगों राजीवार को जेर्सीआरसी कॉलेज में इन्सीटीएस इंटरनेशनल कॉन्फ्रेंस के डायरेक्टर और प्रैन्टिंग एवं प्रोसेसिंग के डायरेक्टर गो. मानव वरिष्ठ ने कहा। मैंका ये दो दिवसीय इंटरनेशनल कॉन्फ्रेंस 'इन्सीटीएस इन एक्सपर्ट एंड एक्स्पर्टिश' के लिए दिन वाले



International Congress on Information and Communication Technology (ICICT) 2018, London



JECRC Foundation organized the Third **International Congress on Information and Communication Technology** in concurrent with ICT Excellence Awards (ICICT 2018) at Brunel University, London, United Kingdom on **February 27-28, 2018** in collaboration with GR Foundation, Brunel University (UK), City of Oxford College, Springer, and IEEE.

Program Chair

- Vijay Singh Rathore, Professor, JECRC, India
- Xin-She Yang, Middlesex University London, UK
- R. Simon Sherratt, University of Reading, UK
- Dharan Singh, Namibia University of Science and Technology, Namibia

Supporting Chair

- Vinay Kumar Chandra, Principal JECRC, India
- Niko Phillips, Group Director, City of Oxford College

Objectives:

- To provide opportunities for the Researchers, Academicians, Industry persons and students to interact and exchange ideas, experience and expertise in the current trend and strategies for Information and Communication Technologies.
- To target state-of-the-art as well as emerging topics pertaining to ICT and its Supported e-Agriculture and Rural Development Technologies, e-Education and Computing Technologies, e-Mining and Inclusive Technologies for implementation for Engineering and Managerial Applications through ICT.

Highlights:

A Total 260 submission from 36 countries, such as UK, USA, Japan, Germany, Russia, Australia, Thailand, China, South Africa, India, Pakistan, Netherlands etc. were made to the conference out of which 80 authors attended the conference and presented their research papers.

The Conference was inaugurated by **Dr. Simon Sherratt**, (Editor in Chief, IEEE Transaction and Head of Wireless and Computing Research at University of Reading, London, UK) and **Prof. Andrew George**, Deputy Vice-Chancellor (Education and International), Brunel University . London along with **Dr. Niko Phillips**, Director, City of Oxford College, UK.

Keynote Speakers:

Dr. Xin-She Yang, Middlesex University, London, United Kingdom

Dr. Aninda Bose, Senior Editor, Europe & Asia, Springer

Dr. Amit Joshi, CEO, GR Foundation, India

Dr. V. K. Chandra, Principal, JECRC, Jaipur along with **Dr. Vijay Singh Rathore** along with **Dr. Peter Kent** (CEO, UKEI, London), **Dr. Suresh Satapathy** (Ex Divisional Chairman, CSI), **Dr. Nilanjan Dey** (Editor, IGI Global) and some other eminent professors from different counties chaired the technical sessions.

Conference Chair

- Arpit Agrawal, Director, JECRC, India
- Cheri Fletcher, Exe. Director and Head of College, Oxford College, UK
- Amy Neustein, Linguistic Technology Systems, NJ, USA
- Simon James Fong, University of Macau, Macau
- K.C. Santosh, University of South Dakota, USA



अंतर्राष्ट्रीय सम्मेलन ने बताया कि जैर्सीआरसी के प्रतिनिधि मंडल के हाथों लंदन में अयोग्यता होने वाले अन्तर्राष्ट्रीय सम्मेलन में 36 देशों की मेजबानी की जाएगी। यह कार्यक्रम इन्टर्नेशनल काप्रेस पार्टी इन्डीमेडिन एंड कम्प्यूटिंग कंटेन्टों के हाथों अपोजिन की जाएगी। यह कार्यक्रम अन्तर्राष्ट्रीय कार्फेस है। इस कार्फेस में बिटन, अमेरिका, जर्मनी, चीन, दक्षिण अफ्रीका, भारत, पाकिस्तान, नीदरलैंड सहित अन्य और भी कई देश शामिल हो रहे हैं। इस सम्मेलन के अध्यक्ष अमित



Outcomes:

The participants got enlightened about vast avenues, current and emerging technological developments in the field of ICT in this era and its applications.

National Conference on Recent Trends in Computing & Communications (RTCC) 2018



JECRC Foundation organized a two days **National Conference on Recent Trends in Computing & Communications** (RTCC) 2018 on **March 26-27, 2018** at JECRC, Jaipur, technically sponsored by Springer AISC, BJIT (Published by Springer, Nature), IEEE-JMS (JECRC Member Society), IGI-Global in association and UGC approved IJRRA along with AICTE, DST, RTU, Computer Society of India (CSI) & Association of Computing Machinery (ACM).

General Chair : Prof. (Dr.) Vinay K Chandna, Principal, JECRC

PC Chair & Convener : Prof. (Dr.) Vijay Singh Rathore, Head-CSE, JECRC

Co-Convener : Dr. Bhavna Sharma, JECRC

Ms. Shikha Maheshwari, JECRC

Objectives:

- To provide opportunistic platform to researchers to exchange state-of-the-art knowledge.
- To understand issues and challenges in the current trends of research.
- To disseminate knowledge and share experience of emerging technologies.
- To formulate appropriate and effective strategies towards the innovative advancements in Computing & Communications

Keynote Speakers:

Prof. P. V. Virparia, Sardar Patel University, Gujarat

Prof. M. Hanumanthappa, Bangalore University, Bangalore

Prof. Vibhakar Mansotra, University of Jammu, Jammu

Prof. Atul Gonsai, Saurashtra University, Rajkot, India

Prof. C. K. Kumbharana, Saurashtra University, Rajkot

Dr. Paras Kothari, SGI, Himmat Nagar, Gujarat

Dr. O. P. Rishi, University of Kota, Kota

Prof. P. K. Mishra, Institute of Science, BHU, Varanasi

Dr. Vinod Sharma, University of Jammu, Jammu

Dr. Jatinder Singh Manhas, University of Jammu, Jammu

Dr. Bharat Singh Deora, JRN RV University, Udaipur

Mr. Ajay S Bhagwat, Director, InPods India Pvt. Ltd.

Mr. Mihir Chauhan, Director, GR Foundation

Outcomes:

The conference enlightened participants about advancing trends in Computing & Communication with issues and challenges towards innovative developments.

WORKSHOPS



International Workshop on Active Learning & Opportunities in Higher Education Abroad

An International workshop was conducted on Nov. 01, 2017 by **Dr. Niko Philips, Group Director - International, Activate Learning, City of Oxford College**. He was accompanied by **Mr. Amit Joshi, Advisor, GR Foundation**. **Prof. Phillips** delivered a lecture on Active Learning and Opportunities in Higher Education abroad.

After the workshop, an MoU was also signed between Active Learning, City of Oxford College and JECRC for

- Long Term Relations as Franchisee
- Technical Collaboration
- Cultural Exchange
- Research Collaboration.

Prof. Phillips also inaugurated a newly constructed academic block of JECRC and appreciated the state of the art infrastructure". A token of remembrance, was presented to the honorable guests by the event coordinators Prof. (Dr.) Vijay Singh Rathore and Ms. Shikha Maheshwari in the end.



EDC/IIPC Workshop

The Cell conducted 3 Days Entrepreneurship Program for entrepreneur development and for industry institution partnership during August 29, 2017 to August 31, 2017. 90 students enlightened with the program which emphasizes on EDP partners and associated organizations with the strategies to formulate innovative ideas and teams for a project. The workshop focused on LEAN Canvas Model and on final pitch preparation.

Workshop on Data Mining and Business Intelligence

NITTTR (ICTIA) conducted workshop on Data Mining and Business Intelligence during September 4, 2017 to September 8, 2017 with the following objectives:

- To understand the basics of Data Mining and Business Intelligence
- To understand the emerging trends in Data Mining and Collaborative Filtering techniques
- To know the clustering and classification algorithms and their experimentation using Weka

The workshop shed light on Python Language for numerical calculations and for running data mining and machine learning algorithms. It enabled the participants to use Python for text and web mining, for visualization of experimental results and for connectivity of Python with various databases

Workshop on Big Data

A workshop was conducted on Oct. 28, 2017 by Mr. Vimal Daga, Chief Technical Officer, Linux World Informatics Pvt. Ltd. Mr. Vimal Daga shared knowledge of Big Data with the participants to bridge the gap between academics and industry. Since every digital process and social media are generating Big Data all the times, and thus Big Data is arriving at an alarming rate, thus Mr. Vimal Daga enlightened the students with the strategies to handle large amount of data. 70 students from JECRC registered for the workshop.



INDUSTRIAL VISIT



Visit to Tedstart, Jaipur



An industrial visit was organized to Tedstart, Jaipur on August 31, 2017. Tedstart is a joint initiative of Startup Oasis and Department of Technical Education, Government of Rajasthan, which will foster entrepreneurship in 7 regions of Rajasthan by providing special startup support programs to solve obstinate problems of the state. 64 students of JECRC visited Tedstart campus at Department of Technical Education, Govt. of Rajasthan (Center for Electronic Governance), Jaipur and learn how to tap into the pool of entrepreneurship to solve persistent problems.

SEMINARS



International Seminar on Higher Education Opportunities in UK for Engineering Students

Dr. Sanjeev Ohri, Vice Principal, Dudley College, UK visited the JECRC Foundation on September 21, 2017. He interacted with JECRC students and explored the possibilities with students and faculty exchange program with Dudley College, UK. He visited spiritual cell and also inaugurated the Mechanical Workshop. A token of remembrance, was presented to the honorable guests by the event coordinators Prof. (Dr.) Vijay Singh Rathore and Dr. Bhavna Sharma in the end.



International Seminar on Outcome Based Education



Dr Peter H Kent, CEO, UKEI, London with his colleague, **Dr David Wing, Director, UKEI** visited JECRC, Jaipur on November 9, 2017 for a discussion on Outcome Based Education for 21st centennial engineering students. Faculty members got benefitted with their words of wisdom on the current scenario of engineering education and the demand of upcoming time. A token of remembrance, was presented to the honorable guests by the event coordinators Prof. (Dr.) Vijay Singh Rathore and Ms. Shikha Maheshwari in the end.



National Seminar on Improving Faculty API

Prof. (Dr.) P. K. Mishra, Institute of Science, Department of Computer Science, Banaras Hindu University, Varanasi conducted a seminar on improving Faculty API on November 23, 2017. The session turned as an interactive one as discussion was based on significant contributions in the classroom teachings. The session ended with the vote of thanks and a token of remembrance to the honorable guest by Prof. (Dr.) Vijay Singh Rathore.



18th Induction Ceremony:

Inducing Young Minds to Lead

On 13 August 2017, 18th Induction Ceremony of JECRC Foundation was conducted to welcome aspiring students on campus. This occasion was made more auspicious by the esteemed presence of Chairman AICTE, Dr. Anil Sahasrabudhe, accompanied by the acclaimed personality, Director AICTE, Dr. Manpreet Singh Manna. This event holds golden importance in the history of JECRC as it was the first occasion where the campus witnessed two personalities of this stature sharing the stage. Amassing the expectations of more than 1500 parents, students, and faculties; the JECRC campus welcomed the dignitaries who inspired and motivated to change the picture of technological advancement and combine it with sustainable development. The presence of our notable alumni who have proved their mettle across the world made students look forward to their journey in JECRC. These noteworthy alumni included Ganesh Ram Jangir (2011 Batch - Information Technology) who is the CEO of Newndra Innovations, Aditya J. Patwardhan (2011 Batch - Information Technology) who is presently the Director of Mithraspectt private Ltd., which is a film and media company based in Jaipur & Los Angeles, Vipul Saini (2010 Batch - Mechanical Engineering) who is presently posted as Assistant Commandant (DySP). Also there was Nishant Choradia (2007 Batch- Biotechnology) who is the Co-Founder of Thar Shipping lines situated in Bangalore. He was the winner of "Startup of the year - 2016, Best Young CEO award-2016 by KPMG, NDTV and Aspire Media together. We also had the luck of having Mr. Akshay Jain (2004 batch - ECE) who is currently the Vice-President - Citibank India. The event was made more auspicious with the recognition of meritorious students who have brought laurels to JECRC Foundation. The faculty members who have contributed greatly in taking the foundation forward were also awarded certificates for their contribution.





JECRC 1.0

Hackathon

10th-11th January 2018

A DIGITAL PRODUCT DEVELOPMENT PLATFORM

JECRC Foundation has emerged as one of the top ranking engineering colleges within a short span of time. It has always taken various initiatives for the students to deepen their insight, widen their horizon and create a meaningful outlook. In the series of taking such wonderful initiatives, Shri Arpit Agarwal, Director, JECRC Foundation launched **JECRC HACKATHON 1.0** so that a coding environment can be provided to the budding engineers of the college.

The event was organised on January 10th-11th, 2018 with the motive of providing opportunities where students got aware of the newest trends and learned to solve real world problems. It was a 24 hour non-stop digital product development competition where students were required to come up with innovative solutions.

The problems were taken from various ministries, departments as well as from JECRC Foundation itself and the ideas of the students were finalized after going through two rigorous scrutiny tests. Out of 300 teams registered, 152 teams were finally selected and 768 students converted their ideas into new developments.

The inauguration ceremony of this event was graced by the presence of **Prof. Dileep N. Malkhede**, Advisor, AICTE and **Prof. N.P. Kaushik**, Vice Chancellor, RTU, Kota. Also, JECRC was honoured to have **Mr. Mohammad Imran Khan**, Web developer and **Ms. Nayani Nasa**, Startup Manager, Invest India with us.

The coding session started and 12 judges along with 123 mentors fertilized the raw brains of the students with their experiences. Each judge was allotted 14 teams to evaluate. After 2 rounds of judging, finally 47 teams were ready for the power judging round.

Meanwhile, some recreational activities were also organised to regenerate the energy and enthusiasm of the students. In the mid night of Jan 10th, 2018, a huge bonfire was lit in the central lawn of JECRC Campus. It created a soothing night time ambience and the zeal returned in everyone to work throughout the night.

The valedictory session was organised on Jan 11th, 2018 and was graced by the presence of **Dr. Ravi Kumar Maddila**, Assistant Professor, Department of ECE, MNIT; **Dr. Sanjeev Agarwal**, Associate Professor, Department of ECE, MNIT and **Dr. Ashish Kr. Ghunawat**, Assistant Professor, Department of ECE, MNIT.

In the valedictory session, the top 21 teams were awarded by our eminent academicians. The team "**The Ultimates**" secured the first position and awarded with cash prize of Rs. 11,000. Also, a prize of Rs. 5100 was given to a girls' team to encourage women empowerment in the society. Also, to appreciate the hard work of the mentors, **Dr. Ruchi Mathur**, **Mr. Naveen Kedia** and **Dr. Bhavna Sharma** were selected as top three mentors by the judges. The sponsors of JECRC HACKATHON 1.0 were Engineer's Academy, Forsk Technologies and Road Ahead Technologies India Pvt. Ltd.





J-TECHTRIX 3.0

redifine the possible

The project exhibition J-Techtrix 3.0 was organized on **March 17th, 2018** where students exhibited their technical skills with lots of zeal to make it a grand success. Honorable Director Sir, Shri Arpit Agarwal along with faculty members launched the poster and the journey started of flaunting the projects. Ms. Geetika Gautam coordinated the event with 23 participants from the department.

J-Techtrix 3.0 encouraged innovations and scientific attitude among the young minds. It aimed to inculcate technical skills and bring out hidden talents among the participants. The participants and the audience had a fanatic iciness during the event.

Teams with a group of four to six students flaunted their projects which are evaluated by our alumni as judges. Ms. Palak, currently working in Appirio, Ms. Priya, currently working in Metacube and Ms. Garima, currently working in Accenture were ranked in RTU merit list during their B.Tech course from JECRC. They evaluated the scientific fervor with great enthusiasm and persistence and the best ones from each department were awarded.

The team **"Ultimates"** with team members Tejasv Kulshrestha, Shristi Jain, Utkarsh Mundra and Umesh Kumar won first position, team **"Krishi Labh"** with team members Deekshant Mamodia, Astha Koul, Shubham Sharma, Apurvi Mansinghka and Atul Dada stood second and team **"ISeeu"** with team members Nakul Joshi, Pallavi Agarwal, Meenal Jain, Sejal Jain, Priyanka Maheshwari and Lakshya Khandelwal won third position.



ATHLON 2K18

a sports activity

JECRC Sports club provides the platform Athlon 2018 to all the young who have sporting prodigies and are ready to leave their fear behind. Athlon 2018, the annual sports meet of JECRC was organized from **19th March, 2018** onwards to raise the bar once again with new fervor and flavor. Richa Gaur, International Karate Champion and Lt. Vishal Jain, Army Officer inaugurated the event.

Athlon, this year widens the thought of sports and fill the ever expanding canvas with more enthusiasm. From Basketball to Volleyball, athletics to fun games, and carom to arm wrestling, Athlon 2k18 included around 15 games and for the first time they have also organised "Slow cycle race".

Around 1100 students actively participated in Athlon 2k18. Year by year Athlon is raising its level higher and higher. Athlon'18 was held for 4 days with the support of college administration along with faculty members and became a great success.

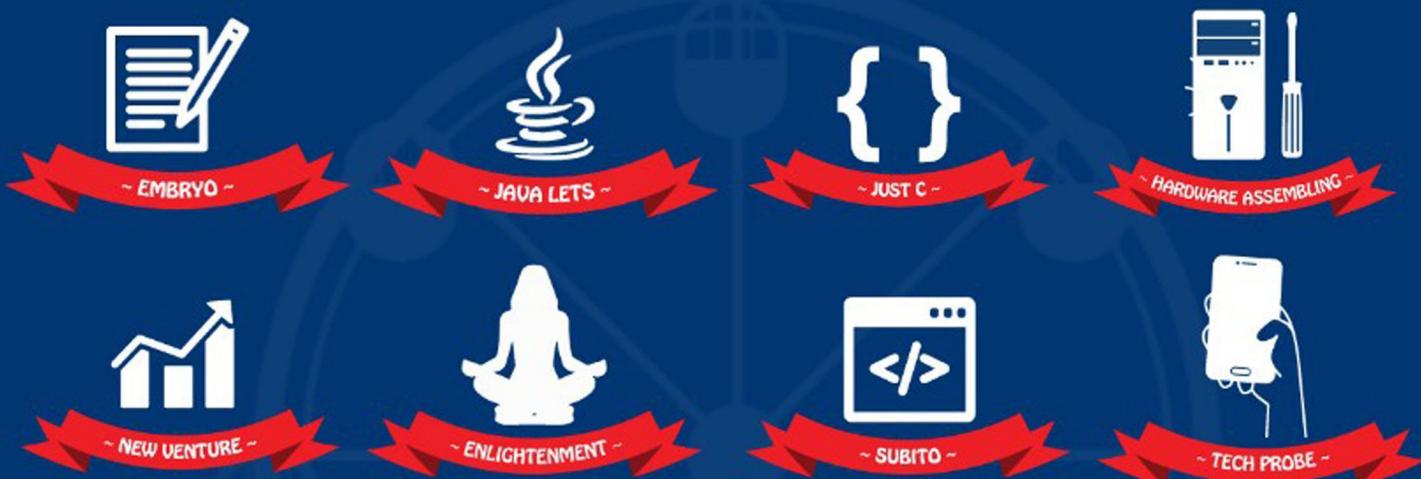
This year Athlon includes fun events also besides enduring events to refresh the minds of students as well as faculty members. Athlon 2k18 organised matches for faculties too. The event concluded by awarding prizes to the winners and appraising words from Director Sir, Principal Sir and Sports officer.





RENAISSANCE

2018



CSE TECHNICAL EVENTS



EMBRYO



A national level paper presentation contest Embryo was organized on **25th March 2018** which ignites innovative ideas and explored different Scientific & Technical researches. The participants proliferated their energies and presented research papers with full enthusiasm. Akshita Bhardwaj and Malvika Kushwah won first prize of Rs 2100. Embryo enhances stage skills of individual and helped in bringing out professionalism.



JAVA LETS



A coding competition Java Lets involving the concepts of Java programming language was organized on **March 25, 2018**. The event observed a massive participation from different colleges also. Hackerearth evaluated the results on the basis of complexities and time of submission for the solutions of all the submissions.



JUST C



An event based on C programming language was organized on **27th March 2018**. The event consists of two rounds - a Quiz as well as a Competitive Programming to test the understanding of C programming language and computer science fundamentals. It created the ability to solve problems inspired by real life situations. Saroj Kumar won the grand prize of Rs. 11,000 and five runner ups won cash prize of Rs. 2000 each.



HARDWARE ASSEMBLING



A unique competition Hardware Assembling was organized on **March 26th, 2018** to enhance the skills of PC assembling. Every team is required to assemble the CPU cabinet with all the required hardware tools within the limit of 5 minutes and if CPU boots then the team is considered to be qualified. The team of Bhavik and Akash took minimum time and won first prize of Rs. 11,000.



NEW VENTURE



An annual Business Plan competition “NEW VENTURE” was organized by E-cell on **March 28th, 2018**. The event aimed to identify budding entrepreneurs that can contribute to the buzzing economy in the coming future. New Venture tested the skills of students in business plan.



ENLIGHTMENT



A workshop on exploring the self through Meditation and Spirituality was conducted on **25th & 26th March 2018** by Spiritual Research Cell. It was designed for young explorers who embark on journey of self-discovery. An exhibition on Science and Spirituality was also setup with main attraction of the concentration loop. Around four hundred people including students and staff members visited the exhibition in two days. Competition of ‘Know your Concentration’ was also conducted as a special event for the staff of JECRC and winners were awarded prizes and certificate of appreciation on 27th March 2018.



SUBITO



A technical event based on the theme based web, mobile app development was organized on **28th March 2018**. Participants prepared application (app) in a given time and showcased their app in front of panel of judges. Two competitions were organized in this event, Front End Ninja and Full Stack Ninja, where each competition has their own winning prizes. Abhishek Mohata & Akshita Vijay were the winners of Front End Ninja and Kunal Sarna and Kandarp Gupta won Full Stack Ninja competition.



TECH PROBE



A technical quiz competition, Tech Probe was organized on **March 26th, 2018** to test the technical knowledge of participants. A huge number of participants from all the departments grabbed the opportunity to showcase their talents. Instead of conventional methods of quiz, tech probe participants answered timed questions through their smartphones and winners were awarded cash prizes.





SOFTWARE

THE BIGGEST OPEN INNOVATION MODEL SMART INDIA HACKATHON 2018

Organizers:



MHRD



PERSISTENT



To fulfill 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. The initiative was a huge success. To reiterate the efforts towards our PM's vision, all together proposed the 2nd edition of this initiative - Smart India Hackathon 2018. Smart India Hackathon 2018 is being organized and had 2 sub-editions - Software as well as Hardware.

JECRC was one of the only 28 colleges from all over the country to have been shortlisted as the nodal centre for conducting the Grand Finale of Smart India Hackathon 2018. JECRC, Jaipur was assigned the nodal Centre for Ministry of Information and Broadcasting. Over 400 students of 50 teams and 25 subject experts, judges and technical officers from all over the country came to JECRC campus. There were total 16 problem statements of Ministry of I & B for which 50 teams from all over India participated to provide their real solutions.

The inauguration ceremony of SIH 2018 @ JECRC nodal Centre, Jaipur was graced by the presence of Shri A. P. Mittal, Member Secretary, AICTE, along with the judges and Nodal officer from ministry of I & B. The coding session started as per the schedule.

The AICTE representatives, along with the judges and Nodal Officer, mentored the students for their respective problem statements in various mentoring/training sessions on **30th and 31st March**. These teams were evaluated by a total of 21 judges from the Ministry as well as renowned software companies.





Hon'able Prime Minister Sh. Narendra Modi himself spoke to the participating students and organizers at all 28 nodal centres expressing his faith in the long terms benefits of this nationwide technological revolution.

The valedictory session which was graced by the presence of Col. Rajyavardhan Singh Rathore, State Minister (I & B), Cabinet minister (Ministry of Youth Affairs and Sports) and Shri R.S. Rathore, Director, AICTE. JECRC got an appreciation letter from Chief Minister of Rajasthan, Mrs. Vasundhara Raje and also from Mrs. Smriti Zubin Irani, Cabinet Minister of Information and Broadcasting and Textile Ministry.

After various evaluation rounds, 10 teams were shortlisted for the power judgment round in which they presented their solutions in front of the panel. 6 teams were finally selected and were awarded trophies winner was Linguistic Panda from Delhi, The Techie Tribes from Tamilnadu was 1st Runner Up, OceanSix from Udaipur was 2nd Runner Up, Local host from Delhi got Persistent Innovation award, Hackers Troops from Chennai got KPIT Inspiration award and Inferno from Odisha got Deloitte Innovation awards in the valedictory session.

Further, nine teams from JECRC were also shortlisted to participate in SIH 2018 for different ministries at different nodal centres. Also ministries have approached teams from JECRC to have internships with the ministries, for at least one year and develop their solutions into workable models.





JECRC MUN 2018

Diplomacy At It's Zenith

JECRC MUN is a perfect opportunity for participants to showcase their abilities by engaging them in substantial researching, critical thinking, and public speaking. JECRC holds the credit for organizing the First Model United Nations of Jaipur, inaugurated by Shri. Kul Bhushan Kothari, renowned educationist, in March 2012. The seventh venture in the same path was organized on **April 7th-8th, 2018**.

The following councils simulated in JECRC MUN'18:

- 1. GA-DISEC:** Role of science & technology in the context of international security & disarmament.
- 2. UNSC:** Co-Operation of United Nations with Regional and Sub Regional Organizations in Maintaining International Peace and Security.
- 3. UN-HCR:** Recognition and Protection of Rights of Rohingya Muslims.
- 4. Commission on the status of women:** Elimination of all forms of violence against women with special emphasis on religious antiquated practices.
- 5. LOK SABHA:** To discuss the state of secularism in Indian politics with special emphasis on religious extremism.

JECRC was honored to have Mr. Mani Shankar Aiyar as the chief guest for this year's conference. MUN 2018 in collaboration with CITYMUN, UNIC (United Nation Information Centre for India and Bhutan) and HEFORSH created more awareness of MUNs and their emphasis to help people cultivate in them the art of leadership and diplomacy.



SOCIAL FACE of JECRC



Aashayein

The Life Saviours

"Teamwork is the fuel which allows common people to do uncommon things."

Aashayein – The Life Saviours is a social faction hailing from JECRC Foundation since October 2013 dedicated for saving the venerated lives through fulfilling the growing demand of fresh SDPs (Single Donor Platelets). Team Aashayein through their combined hardwork have saved more than 1000 lives by SDP donation to patients in need and still continuing. Team Aashayein has set a milestone by garnering more than 12,000 units of blood in the last decade under the umbrella of JECRC and still going strong.

Following are the events that made this year worth remembering:-

Recruitment

The purpose of recruitment is to assist some people in order to assist the mankind. With high hopes and great confidence selected few students from JECRC foundation on August 21st and 22nd, 2017 cleared 3 rounds of ordeal to prove themselves worthy of enhancing the work and souls put in to serve the beliefs of AASHAYEIN – The Life Saviours to save precious life, for they are the inheritors to the legacy of their seniors as they frame the future of this group.

Blood Group Checkup Camps

A day long, free of cost 4th annual selfless event's fallout on Sept. 11th, 2017 was the witness to a monumental 880 enrollments of magnanimous souls promising to break the shell of a man to rise to the stature of god by granting life.

Blood Donations Camps

A charitable cross over of two visionary institutions – JECRC and M.G. hospital led by team Aashayein on October 11th, 2017 paved path for donation of titanic 1427 units blood that promised to fuel up the nerves of the needy. Team Aashayein set a milestone by gardening up such a huge amount of support from passionate believers.

Felicitation Day

The day Feb. 22, 2018 was branded the holy day of felicitation as team Aashayein cherished the holy deeds of its life saviours. As the empowering words of wisdom from chief guests echoed through the halls, Team Aashayein thanked each of their donor for serving the abode of the good. SDP and female donors were granted momentos as a token of gratitude as the tales of their valour would live as long as mankind remains.



Soch

Kuch kar Dikhane ki

As the name signifies Soch, the skill to bring out that noble thought from millions of thoughts, that single thought which has the potential to change the world, that single thought which can bring a smile on someone's face, that single thought which can amend the thought process of millions.

Team SOCH by its works is able to bring smile on many faces by conducting various events during last year:

SWACHHATA Pakhwada:

Team SOCH felt really privileged to organize "SWACHTA PAKHWADA", an AICTE initiative from Sept. 1, 2017 to Sept 15, 2017. The event started with 'Clean Campus Day'. A series of events were organized for 15 days within JECRC campus and nearby places.

Vastra Samman:

"Our act of kindness, can be God's plan to help the poor" with this solo motto, Team SOCH organized 'VASTRA SAMMAN' - a social initiative to donate clothes in the slum areas on Oct. 12, 2017.

SWACHH JECRC:

SWACCH JECRC campaign changed the whole idea of cleanliness by monitoring digitally. Posters (containing QR code and the address of Google doc form) were put all over the college where complaints can be filed by scanning the QR code. The data filled in the form reaches to JECRC supervisors, and a response is given within 24 hours.

OCIP:

Team SOCH, on behalf of JECRC organized OCIP (Orphanage Children Interactive Programme) on Feb. 12, 2018. OCIP is all about bringing smile on children's face. In the event, team made an effort to come up with a day full of happiness in the life of children of orphanage. The volunteers made their day momentous by performing various activities and interacting with them at the same time. Children from different orphanages visited JECRC and Team SOCH devoted their whole day to them. Team SOCH organized games, and prizes are handed over to them. Dancing, singing and other activities were performed to make them feel earmarked. A meal was served to them which was prepared taking care of proper hygiene.



Zarurat

The Help Beyond

Zarurat is a social initiative taken by the students of JECRC Foundation in which they provide free of cost education to the underprivileged kids of nearby slum areas on all working days after college hours. Zarurat was established in 2011 and since then, it has seen great heights and accomplished many feats.

Other than studies, the group also organizes several extra curricular activities for the kids. Often said as the Birthday of Zarurat, the team celebrates its Founders' Day on the day of its inception, i.e. 20th November, every year.

Here are few events that Team Zarurat organized in the past year:-

Teachers' Day- To pay a little token of appreciation towards the teachers, Zarurat celebrated Teachers' Day on September 5th, 2017.

Joy of Giving Week- Now known as Dan Utsav was a week-long celebration in the month of October 2017, in which Team Zarurat performed 7 acts of giving in 7 days of the week.

Children's Day- To make children's day special, Zarurat organized several activities for the kids on November 14th, 2017.

Holi- Every year, Zarurat celebrates the festival of colours together. All kids and team members play with colours and celebrate Holi a few days prior to the actual festival.

Celebrating Innocence- The annual flagship event of Zarurat is a day long celebration in which several NGOs and kids of Zarurat go through several activities. This year the event was on March 24th, 2018.

Farewell- To appreciate the efforts of the team members who served the team for 4 years, the team bade an official farewell for the final year members on April 27th, 2018.

Zarurat also takes its children to visits and tours to several places. In the past one year, kids have been taken to the Birla Planetarium, the National Science Conference by ISRO at the JECRC University.

The last year has been particularly special as the team registered its name in the Limca Book of Records for making the largest display of Origami flowers. The record was created in two phases. On 26th February, the team made 24626 paper flowers in a day and on 7th March, on the day of 'Celebrating Innocence', they were assembled. As the official confirmation happened a year later, a certificate unveiling ceremony was also organized.



Suhasini

An Initiative to Save the Smile of the Girl Child

SUHASINI an initiative to "Save the Smile of the Girl Child" laid down its foundation on National Girl Child Day – Jan 24th, 2015. At present, the team has been working in villages Goner, BadiKa Baas and Shree Ram Ki Nagal.

Activities and Campaigns:-

1. Aadhar Card Camp-

An Aadhar card camp was set up in the private school for people of Badika Baas in the month of May'17 where 40 forms were filled covering about 16 families. Team was successful in generating 39 Aadhar cards in a single day.

2. SWACHHATA PAKHWADA -

Swachhata Pakhwada, an initiative of Swachh Bharat Mission was organized in JECRC Foundation on September 10th, 2017. Team Suhasini organized a cleanliness drive in village Goner. The letter of appreciation by Gram Panchayat, Goner marked the success of the cleanliness drive.

3. INTERNATIONAL GIRL CHILD DAY CELEBRATION -

On October 11, 2017, Team celebrated International Day of the Girl in villages (Goner & Barahmeel) with motivational videos and fun activities. In evening, team gathered at GT central to show nukkadnatak with team of 60 members which created awareness regarding 'save girl child' and let girls be treated to be equal to men.

4. NATIONAL GIRL CHILD DAY CELEBRATION -

On 20th January, 2018 members of the team decided to celebrate National Girl Child Day with the students of BadiKa Baas a village. On 21st January, 2018 team Suhasini organised a road show at Jal mahal with a motive to spread the message of National Girl Child day. As part of the 7-day celebration of National Girl child Day, team Suhasini organized a celebration in government school of nearby village Goner.

5. INTERNATIONAL WOMEN'S DAY -

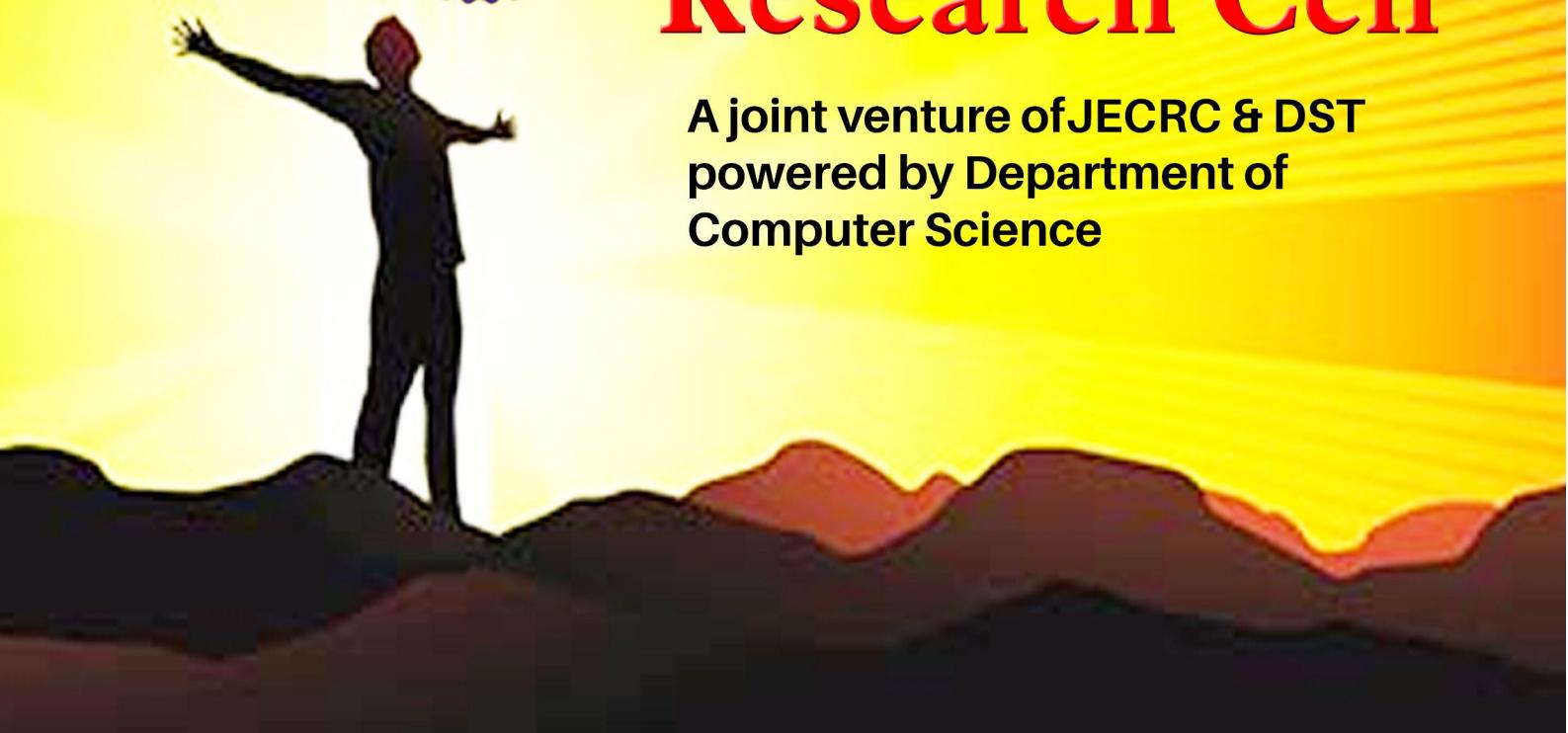
Team members visited Gandhinagar Railway station on 8th march, 2018 to honor and appreciate them for the commendable work they are doing. The members approached Ms. Neelam, the station master and wished her Happy Women's Day with a card as a token of thanks. The team members also visited the schools of nearby villages- Goner, Badika Baas and Shree Ram ki Nagal and wished female teachers "Happy Women's Day" by giving cards for the admirable work they are contributing to the society.





Spiritual Research Cell

A joint venture of JECRC & DST
powered by Department of
Computer Science



"Meditation is not a way of making your mind quiet. It's a way of entering into the quiet that's already there - buried under the 50,000 thoughts the average person thinks every day."

In this fast pacing world running behind the power of technology, there is a loss of awareness of Self and the Supreme power. The meaning of life has changed its definition from happiness to luxury. A pious place is created in JECRC to rejuvenate and re-establish the lost definition of Self and broken connection with the Supreme. It has a sound proof 'Meditation Room' developed as silence zone for meditation and self-contemplation. It also includes a Spiritual Library, with collection of best selling spiritual and inspirational books. Regular classes are conducted in Wisdom Hall which is designed as a smart classroom. A Research Laboratory for conducting research on meditation is equipped with EEG, EMG, Karadascan, Aura Scanning and other health monitoring devices. Mr. Mukesh Agarwal, Ms. Chitra Khandelwal and Ms. Aakanksha Desai are providing insight for the accomplishment of objectives of the Spiritual Cell.

Spiritual Research Cell conducts various events such as:

Mindfulness Survey at College

A survey of Mindfulness of the Faculty members was conducted using a psychological tool, Five Facet Mindfulness Questionnaire (FFMQ) in May 2017.



Yoga Day at JECRC University

A one hour session was conducted on June 21st, 2017 on Indian Yoga & Meditation at Spiritual Research Cell, JECRC Campus. Shri Mukesh Agarwal, Asso. Prof. (CSE) conducted the session with meditation practitioner and trainer on 'Patanjali's Ashtang Yoga and the benefits of meditation in daily life' on the occasion of Yoga Day after the Yoga practice at SMS Stadium.



Joy of Giving & First Anniversary of Spiritual Research Cell

During the Joy of Giving week and on the First anniversary of the Spiritual Research Cell, Oct. 6, 2017, a value based session for students of Zarurat was organized where Shri Arpit Agarwal, Director JECRC graced the occasion stadium.



Self-Empowerment through Meditation

An intensive 8 days workshop from Nov. 2nd, 2017 to Nov. 10th, 2017 for First Year students was organized for empowerment through Meditation. Special Invitee, Prof. (Dr.) Vijay Singh Rathore, HOD CSE, enlightened the students.



Yoga Class during Smart India Hackathon

With the sunrise in the bright sunshine of March 31st, 2018, participants were revived with some yoga exercises and peaceful meditation. After the session, teams were again guided by the mentors and then they got back to their coding again!!



AICTE Health Survey

During a workshop on Executive Leadership Program, Dec. 24th- 25th, 2017, the team members and AICTE staff members were invited for advanced health survey using Bio-well and Karadascan.



Self-Empowerment through Meditation -II

In continuation with the Workshop in December, second series of the session on Self-Empowerment through meditation was conducted successfully with two batches for first year students during Feb. 8th to Feb. 16th 2018. Guest Speaker Rajyogini B. K. Sushma was invited on the final day of the workshop for an interactive session on 'Practical Spirituality'.



Research Presentation at London International Conference

Comparative analysis of mindfulness was presented at the International conference, ICICT (International Congress on Information and Communication Technology) during 27th-28th February, 2018 in Brunel University, London and published in Springer Proceedings. It was found in this research study that meditators are more observant and non-reactive than non-meditators. Hence, meditation helps in developing useful coping skills for successful and happy living.



Dignitaries at Spiritual Research Cell this year

1. Neetu Bhagat, Asst. Director RIFD, AICTE(1st April 2017)
2. M. S. Manna, Director AICTE- Administration(7th April 2017)
3. B. B. Dave, Chief Postmaster General, Rajasthan Circle, Jaipur(2nd April 2017)
4. Prof. N. P. Kaushik, RTU Vice Chancellor (10th April 2017)
5. Dilip Malkhede, Director RIFD, AICTE(10th April 2017)
6. Anil Sahastrabuddhe, Chairman AICTE(13 Aug 2017)
7. Dr. A. S. Kiran Kumar, Chairman ISRO(6th Jan 2018)
8. Kirti Seth, Professor at Uzbekistan(18th February 2018)
9. Gopal Krishna G S S, Country Head Sales & Products, TCS(20th March 2018).
10. Prof. Noe Alba-Baena, Visiting Faculty at NIT Jhalandar from Mexico (6th April 2018)

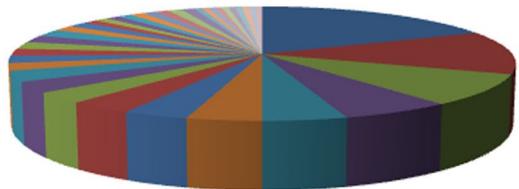
PLACEMENT CELL 2018

JECRC has always been one of the top private engineering colleges when it comes to shaping the technical brains and producing the best placement results for majority of our computer science students. Various IT giants such as TCS, Accenture, Mindtree and many others have continued the legacy of placements from our department and have recruited 196 students in 2018. The placement cell is still active to ensure 100% placements and is putting their best efforts.

The placement cell organized various activities during this year such as Pre-Placement Training, Company Specific Training etc. Pre-Placement Activity by external agency was categorized in four levels. Students learned resume writing and groomed interview skills in Level 1. Level 2 conducted aptitude and technical classes for the aspiring students. Level 3 focused on group discussions and personal interviews and Level 4 emphasized weak students and conducted need based training. Company specific training focused on written tests, group discussions and personal interviews based on the specific companies that had tie up for recruitment.

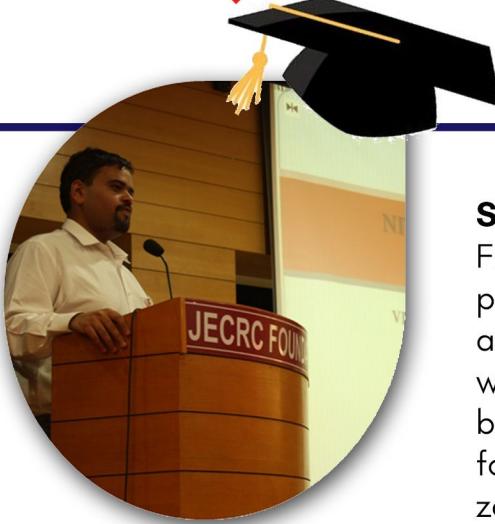
The department also formed T&P Squad Team comprising of 12 well trained and placed students of final year and four faculty members of the department for recruitment of unplaced students. The course of action by T&P Squad Team placement strategy was categorized into competition based hiring, companies lined up by HR Team, identification of personal contacts and establishing contact with alumni. The team visited the companies and established connections with HR to enhance the internship programs and placements for unplaced students.

The data of the placements during 2017-2018 are as follows:



- Accenture (36)
- Mindtree (17)
- Just Dial (9)
- Sopra Steria (7)
- Newgen (6)
- ATCS (6)
- EY Global (4)
- Simplyforce (4)
- Skyway Infosolutions (4)
- Hexaware (3)
- Gurukripa (2)
- HSBC (2)
- ARN Focus IIT (2)
- Interview Air (2)
- Causecode (1)
- Byju's (1)
- GKM IT (1)
- Thrillophilia (1)
- Sworntech Pvt. Ltd. (1)
- TCS (24)
- Off Campus (12)
- IBM (8)
- Capital Trust (7)
- SkillRock (6)
- Matrix Comsec (4)
- Metacube (4)
- Oasis Technosoft (4)
- App-Perfect (3)
- Infoobjects (2)
- Best Peers (2)
- Marketing Mindz (2)
- Artech (2)
- JRBS (2)
- Hexaview (1)
- ZumoSun Pvt. Ltd. (1)
- NIIT Tech (1)
- Appeal Group (1)
- Toppr (1)

OUR ALUMNI



Nitendra Mathur
BATCH: 2004

Success Story:-

From the very first batch of JECRC, Nitendra Mathur was a powerful speaker and debater but was a casual chap in academics. He was not much clear about what he actually wanted to take up in future, he was one of those curious backbenchers but did not make his mind until his MBA, he sat for interviews just because he wanted to have a job on day zero so that he could be free from rest of the interviews, the only that made him win things was his unmatchable confidence, and his never say no attitude and today, he is working as VP-DBS Treasures offshore desk Head, Singapore.

Message to juniors:

Be very clear in your goals. There should be only one goal at a time. The more clear you are about what you want, the more likely you are to achieve it. My only goal, dedication, hard work and disciplined life is all behind my success. IF NOT US THEN WHO, IF NOT NOW THEN WHEN... Everyone is a perfect piece of god.

About college life:

College days were the best days of my life, the friends and the moments shared are priceless.

I have Learned many things in four years of college life which helped in my personality development, Though we forget those days as we get involved in our daily routine and new responsibility, sometimes few lines take us back to our college days and a smile comes on your face as we recall those moments...



Srishti Jain
BATCH-2015

FACULTY CORNER



ACHIEVEMENTS

Prof. (Dr.) Vijay Singh Rathore

- Professor & Head, CSE, JECRC
- Imm. Past Chairman, CSI (Computer Society of India) Jaipur Chapter
- Two Patents published on SMILE for ATM, and SMLT for FOBIA
- Registered Supervisor of Ph.D. (CSE/IT/MCA) in Rajasthan Technical University, Kota
- PhD Supervised in Computer Science and Engineering (Awarded: 12, Under Supervision: 07)
- Member of Various Committees of UGC, IGNOU, RTU, UOR, UOK, VMOU, IISU, SGVU, JNU, JNVU, UOJ, JNRVU, JU etc.
- **Research Papers:** (Total 73 Papers, 18 National, 55 International)
(Includes Springer, Elsevier, IEEE, etc indexed with Google, Thompson etc.)
- Reviewer in some National and International Journals
- **Books Written:** 10 Books on some subjects of CSE, IT and Management.
- **Awarded as Prominent Academician** by Association of Computing Machinery (ACM).
- Invited as a Session Chair in Fourth International Conference on Information Systems Design and Intelligent Applications INDIA-2017, held in Da Nang City, Vietnam.
- Visited UK (London, Oxford, Cambridge, Luton) as a Member of Indian Higher Education Knowledge Delegation to UK with Prof. Anil D Sahashrabudhe, Chairman, AICTE.
- **Received Certificate of Appreciation** for Immense Support and contribution towards making the "Indian Higher Education Knowledge Delegation to UK" highly successful and beneficial, By Prof Anil D. Sahashrabudhe, Chairman, AICTE (India).
- **Awarded in Honorary Appreciation cum Felicitation Ceremony 2017** (By G R Foundation) Supported By - CSI Division IV, COEP Pune, in concurrent with Inaugural Function of SMARTCOM 2017 in recognition of the services to the Society at Large in different sector including the Academic Sector.
- **Visited NTU (Nanyang Technological University, Singapore)** to understand research initiatives and educational practices and to discuss collaboration opportunities of JECRC foundation with NTU.
- **PC Chair & Convener** of International Conference on Emerging Trends in Expert Applications & Security - ICETEAS 2018 (www.iceteas.in) in association with Springer, CSI, ACM, AICTE, RTU, and GR Foundation, held at JECRC during Feb 17th-18th, 2018.



- **Published 5 research papers in Springer AISC** in International Conference on Emerging Trends in Expert Applications & Security (ICETEAS 2018) titled,
 - 'Incessant Ridge Estimation Using RBCA Model',
 - 'Comparative Analysis of Load Balancing Algorithms using Cloud Analyst',
 - 'Conceptual Structure of ASMAN Framework to Compare SaaS providers',
 - 'A Review on Machine Translation System in India with special reference to English Hindi Language',
 - 'Impact of Try A-Gain - an Online Game App for Society'.
- **Visited UK (London, Lincoln) as Co-organizer (PC Chair)** of the International Conference ICICT 2018 at London (www.icict.co.uk) and as Delegate to discuss collaboration opportunities of JECRC foundation with Lincoln University, UK, Feb–March 2018
- **PC Chair & Convener** of International Congress on Information & Communication Technologies – ICICT 2018 at (www.icict.co.uk) in association with GR Foundation, Springer, IEEE, City of Oxford College, and Brunel University, UK, held at Brunel University London, UK during Feb 27th–28th, 2018.
- **Published research papers** in Springer AISC in International Congress on Information & Communication Technologies – ICICT 2018 titled, 'Impact of Open-Ended Project-Based Collaborative Learning Model for Teaching Undergraduate-Level Database Management Systems'.
- **Convener of National Conference on Recent Trends in Computing & Communication** – RTCC 2018 in association with CSI, ACM, AICTE & RTU, held at JECRC during March 26th–27th, 2018.



Dr. Bhavna Sharma

- Received Distinguished Service Award by JECRC Foundation for Organizer and Coordinator for Smart India Hackathon-2017.
- Organizer for Smart India Hackathon 2018 for JECRC as Nodal Centre.
- Co-convener, International Conference on Emerging Trends in Expert Application & Security, Feb. 17–18, 2018.



Mr. Mukesh Agarwal

- Completed M. Tech in Software Engineering from BITS-Pilani.
- Published research paper in Springer AISC (ISSN No. 2194-5357) in International Congress of Information and Communication Technology titled, 'A Comparative Study of Mindfulness between Meditators and Non-meditators'.
- Applied Projects worth Rs. 5371 Lacs to Govt of India in 2017-18.
- Organized International Training Programme on Entrepreneurship Education to Strengthen Emerging Economies and Sustainable Livelihoods And Mainstreaming with Market (7th February 2018) under the aegis of ITEC-MEA, Govt. of India, New Delhi and hosted students from 26 Countries.
- Received Rural Technology Business Incubator with grant of Rs. 30 lacs by DST Rajasthan in March 2018.
- Felicitated by Prof. Anil D Sahasrabuddhe, Chairman AICTE on Foundation Day for establishing unique Spiritual Research Cell at JECRC.
- Invited by AICTE for Survey of Health parameters of AICTE Executives in a Vice Chancellors Meet.
- Invited to organize Yoga Day at JECRC University.
- Conducted sessions of Self-Empowerment through meditation at Spiritual Research Cell for First year students.



Mr. Gajendra Sharma



- Organized Vande Mataram event at SMS, Stadium, Jaipur.
- Faculty Coordinator- "Big Data" workshop conducted in collaboration with IIT, Kharagpur.
- Participated in ICARI-2018 held at institution of Engineers, Delhi on 28th Jan 2018.
- Coordinator - PMKVY, Ted visits.

Ms. Manju Vyas

- Nodal Coordinator for Smart India Hackathon 2018 at JECRC, Jaipur



Dr. Sanjay Gaur

- Received Achiever of Year 2017 award for Significant Contribution in Computer Science and Engineering by The Institution of Engineers -Udaipur Chapter on Engineers' Day.



- Received Global Outreach Education Excellence Award 2018 for Significant Contribution in Computer Science & Information Technology by REDINNO-Jaipur.
- Delivered Seminar/ Expert Talk on Digital Marketing in following Institutions:
 - JRN Rajasthan Vidyapeeth Udaipur, 27-18 November 2017.
 - Directorate of Extension Education, Maharana Pratap University of Agriculture and Technology-Udaipur 16-22, January 2018.
 - Vivekanand Global University, Jaipur , 30 March 2018.

Ms. Shikha Maheshwari



- Recognized as Microsoft Innovation Educator-Expert (MIE-E) 2017-18.
- Appreciated for Services & Performance by JECRC Foundation, September 2017.
- Co-convener, International Conference on Emerging Trends in Expert Application & Security (ICETEAS), Feb. 17-18, 2018 .
- Organized various International Seminar/ Workshops as Co-Convener/ Coordinator.

Dr. Nilam Choudhary



- QEEE Program Coordinator of JECRC Foundation, attended QEEE Feedback Meeting Workshop IIT Chennai.
- Chaired the session in International Conference on Engineering, Computers and Sciences (IRECS-2018).
- Delivered Invited Talk on "Internet of Things Implementation Issues and Challenges" in Global Outreach Education Conference and Awards by REDINNO.
- Delivered Invited Talk on "Cloud computing implementation tools and issues" in National Conference of Computational and Mathematics Science by Vivekananda Global, Jaipur

Mr. Abhishek Dixit



- Certificate of Appreciation for contribution in growth of students as Training and Placement officer.

MISCELLANEOUS

How to combat fake news

Fake news is nothing but a clickbait on social media. A slender description of fake news is news critique that is purposely and verifiably false and could mislead readers. There are two key features of this definition: legitimacy and objective. First, fake news includes false information that can be verified as such. Second, fake news is created with dishonest objective to deceive clients.

"Fake information is building fear psychosis among people" explains Pratik Sinha, founder of AltNews, a web platform dedicated to verifying and debunking the scourge of fake news in circulation. As Intercept's Glenn Greenwald recently pointed out, "The most important fact to realize about this new term" is that "those who most stridently condemn Fake News are normally those most aggressively broadcasting"

"A lie gets halfway around the world before the truth has a chance to get its pants on."
- Winston Churchill

Fake news is in use since 1890. It can be justified with the following quote.

Secretary Brunnell Declares Fake News About His People is Being Telegraphed Over the Country.

—Cincinnati Commercial Tribune (Cincinnati, OH), 7 Jun. 1890

Claire Wardle of First Draft News identifies seven types of fake news

1. satire or parody (no intention to cause harm but has potential to fool)
2. false connection (when headlines, visuals or captions don't support the content)
3. misleading content (misleading use of information to frame an issue or an individual)
4. false content (when genuine content is shared with false contextual information)
5. imposter content (when genuine sources are impersonated with false, made-up sources)
6. manipulated content (when genuine information or imagery is manipulated to deceive as with a doctored photo)
7. fabricated content (new content is 100% false, designed to deceive and do harm)

How fake news spread viral.

- We crave confirmation of our world views and social media is a great place for it
- Information is social currency, even if it's inaccurate
- We love a good rumour
- We have a system that allows news to act like contagion
- There are sneaky algorithms working in the background that shows what we want to see
- Fake news publishers are driven by a strong financial motive
- The current political climate has allowed fake news to prosper

How did popular medias responded to fake news?

After widespread criticism that the companies are failing to deal with fake news, Twitter, Facebook and Google have all announced measures to crack down on misinformation online. Facebook, which has faced the most scrutiny, says it is enlisting fact checkers to flag disputed stories, cutting off advertising revenue to fake news sites, and better reviewing adverts on the site. Twitter says it has become better at dealing with bots, and Google has promised better algorithms to police YouTube.

How to identify fake news

Spotting fake news isn't easy: a Stanford study last year found that students were shockingly bad

at distinguishing between different types of material online, whether paid for, fake or legitimate.

Facebook has a useful list of ways to spot fake news, which include checking other sources and a Site's URL.

Facebook's tips for spotting fake news

1. Be skeptical of headlines. The headlines of fake news stories are often catchy, and contain lots of capital letters and exclamation marks. If claims in the headline sound unbelievable, they may well be.

2. Look closely at the URL. Many false news stories mimic authentic news sources by making small changes to the URL. You can go to the site to compare the URL to established sources.

3. Check the source. Ensure the story comes from a source with a reputation for accuracy. If the story comes from a site you have not heard of, check their "About" to learn more.

4. Watch for unusual formatting. Many false news stories often contain spelling and grammar errors, as well as an awkward looking layout.

5. Check the photos. False news stories often contain manipulated images or videos. Sometimes the photo may be authentic, but taken out of context. You can do an internet search of the image to find out where it came from.

6. Check the dates. Fake news stories may contain timelines that make no sense, or event dates which are wrong or have been altered.

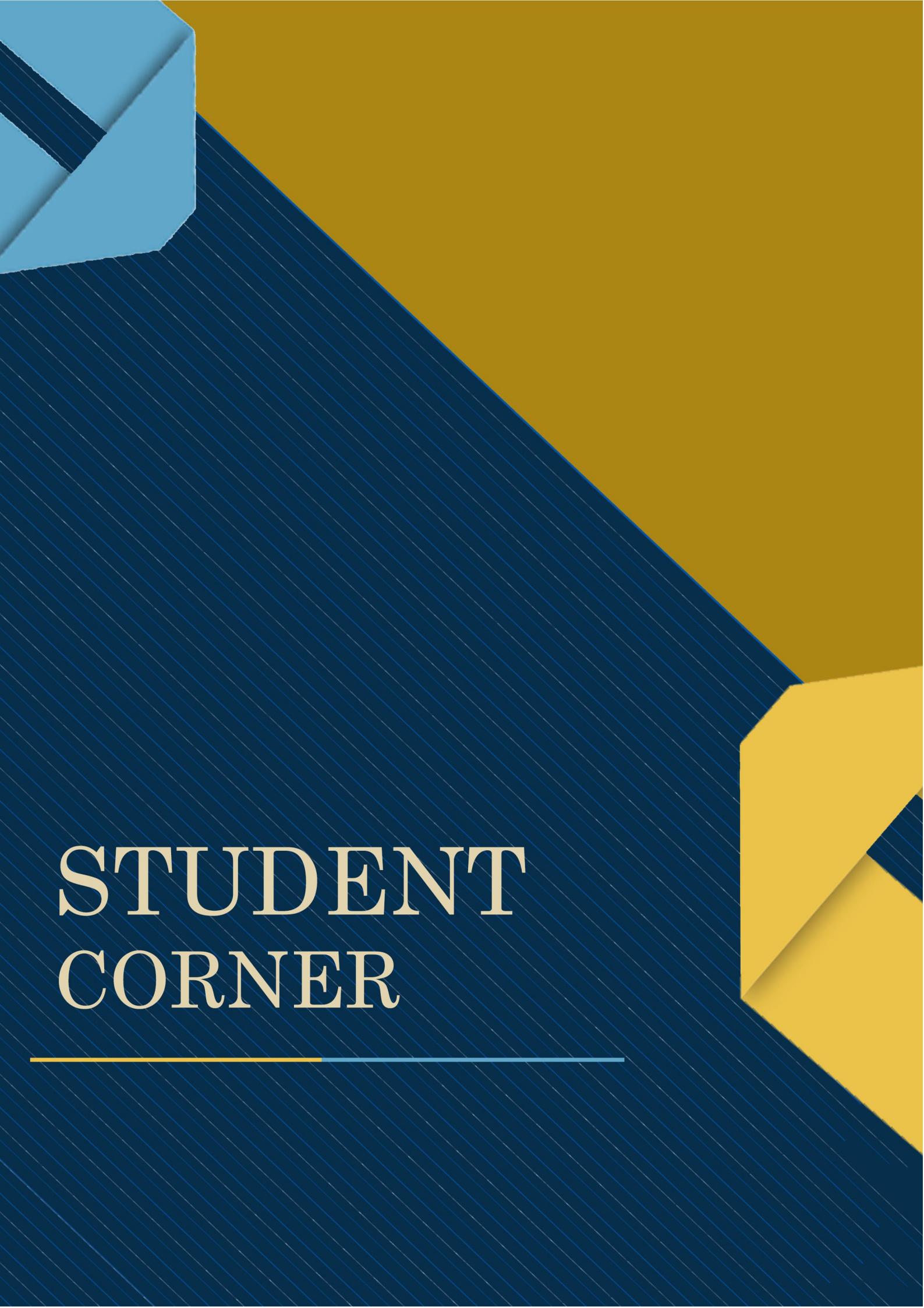
7. Check the evidence. Check the author's sources to confirm they are accurate. Lack of evidence, or a reliance on unnamed experts may indicate false news.

8. Look at other reports. If no other news source is reporting the same story, it could indicate that it is false.

9. Is the story a joke? Sometimes false news stories can be hard to distinguish from humourous articles. Check whether the source is known for parody, and whether the story's details and tone suggest it may be just for fun.

10. Some stories are intentionally false. Think critically about the stories that you read, and only share articles which you know to be credible.

B. Uma Maheswari
Assistant Professor
Department of CSE
JECRC



STUDENT CORNER

ACHIEVEMENTS

"Try A-Gain...JINDA-DIL-KHEL"

Diwanshu Soni, Ayush Khandelwal, Aman Vijay, Divyang Bhargava, Aniket Dixit and Apoorva Agrawal from IIrd year, CSE, JECRC has developed the Anti Blue Whale Game i.e. "Try A-Gain...JINDA-DIL-KHEL" under the kind guidance of Prof. (Dr.) Vijay Singh Rathore, Head- CSE & Ms. Shikha Maheshwari, Assistant Professor, CSE, JECRC which gives hundreds of reason to live the life with the smile while connecting users to their roots. The game is developed in an attempt to bring happiness to the users" daily life while encouraging positivity towards life through generous acts using the internet. It is an incredibly fun game that helps players in living every minute with a positive outlook, staying motivated, being happy and making others happy.

This game app comes with a set of tasks that will instead have a positive effect on the player's life and helps the player to bring him/her closer to Self, Family, Friends, and Nation. The intention behind developing such game is to help the young minds in a positive way. The game focuses on spreading happy thoughts with its tasks and ends with a message that will bring a smile to anyone's face. The tasks of Try A-Gain app vary from easy workouts like morning walk to socially responsible tasks such as helping parents in household chores, etc. which eventually takes the player closer to the Family, Friends, and Nation and gives reason to live a better life.

The Game app was launched on October 12, 2017 on Google PlayStore :
https://play.google.com/store/apps/details?id=com.projects.diwanshusoni.try_a_gain



1 Lakh subscribers on YouTube

As said journey of 1000 miles begins with a single step, **Arpit Porwal**, a IV year student of JECRC College CSE Department has crossed 100k subscribers mark on his YouTube channel named "**APPedia**"

*He is the **youngest YouTuber** on the planet earth to do so in educational category of YouTube* and that too single-handedly.

Currently he is having 127k+ subscribers with over 10,00,00,000 minutes of watchtime on his channel.



Akshay Patni from 4th year CSE, completed 100+ SEO Projects of Global Websites in Education, Health and Yoga Niche and sold 31 Websites with the hiring of paid 50+ interns from different colleges of the country including BITS Pilani and IIM Lucknow. He is also the founder of Lifehawn.com, a self improvement blogging platform. He is the Marketing Head of Rehabyoga, a website of India's renowned Yoga Trainer, Gaurav Negi. Apart from being techno geek, he has also delivered session as a SEO Speaker by Wordpress Jaipur Team. These achievements reveals dedication and efforts put up by Akshay to become a diverse engineer.



G.A.T.E.

Graduate Aptitude Test in Engineering

Congratulations to GATE Qualified Students

GATE 2018 Qualifiers

- **Apurvi Mansinghka**
- **Akshay vijayvargiya**
- **Amandeep Goyal**
- **Ekansh Kushwah**
- **Anushree Jain**
- **Kapil Khandelwal**
- **Divaker Soni**
- **Rohit Mathur**
- **Rohit Kumar Gupta**
- **Mayank Prasad**
- **Sakshi Singhal**
- **Prakhar Garg**
- **Nikhil Gupta**
- **Mohit Kumawat**
- **Vinod Kumar**
- **Suryanshi Adaniya**

Some More Achievers:-

1. **Sakshi Gupta (IV Year)** placed in Byjus with the highest package of 9 lakh. She also secured 90.44 percentile in CAT and 90.41 percentile in XAT.
2. **Rakesh Prajapat (IV Year)** selected in Cricket Team of RTU Kota for National West Zone (All India Inter University, Bhopal).
3. **Tejasv Kulshrestha, Vaishali Agarwal, Utkarsh Mundra and Shrishti Jain (IV Year)** won First Prize in JECRC HACKATHON 1.0, Jan 2018.
4. **Abha Kabra (IV Year)** got global certification RHCSA (Redhat Certified System Administrator) and RHCE (Redhat Certified Engineer) in July, 2017. She also published her poem in The Scribbler's Diary—an anthology published by Rock Pigeon (publications available on Amazon).
5. **Aman Pareek (II Year)** stood as a winner in Inter College RTU Football Tournament 2017-2018, held in Arya College of Engg. and IT, Kukas, Jaipur.
6. **Akshita Vijay and Abhishek Mohata (II Year)** won 1st Prize in IT QUIZ of Rajasthan Hackathon 3.0 held in December at Mohanlal Sukhadia University, Udaipur.
7. **Atavi Shekhavat (II Year)** won in Street Play event of ZEST held in January, 2018 at St. Xavier's College, Jaipur.
8. **Diksha Goyal (II Year)** won 2nd Runner Ups in Student Technical Paper Model Contest in Technovation held at Poornima University, Jaipur in Feb, 2018.
9. **Akash Jain (II Year)** was among the Top 10 participants of Smart India Hackathon, held at Techno India NJR Institute of Technology, Udaipur.
10. **Harshita Gulwani (III Year)** attended Microsoft Diversity Camp in Jan, 2018 held at JECRC, Jaipur.
11. **Sakshi Gupta (III Year)** participated in Blitzschlag, 2018 held at MNIT, Jaipur and won 1st Prize.
12. **Samidha Joshi (III Year)** participated in Mood Indigo, 2018, Asia's Largest College Cultural Festival held at IIT Bombay.

MISCELLANEOUS

Success Mantra

Do not allow those things that matter the most in your life be at the mercy of activities that matter the least. Every day, take the time to ask yourself the question "is this the best use of my time and energy?" Time management is life management so guard your time with great care.

-Aman Bansal
2nd Year CSE

Zindagi: Ek Gulajaar

Zindagi ke darakhat le talee kuch patte ...
Pattihad me jhad gaye...
Kuch raina me baha gaye...

Kuch aag me sulag gaye...
To kuch saavan me khil utha...
Kuch pairoo tale kuchlee gaye...
To kuch kisi ke gale ke haar banee...
To kuch aaj bhi shakhao me khil- khila
rahein hn...
Bss itni si hai... Zindagi :)

-Rohit Soni
3rd Year CSE



Pranjal Gupta (3rd Year)

जरूरत-शिक्षा को

सब कहते ये जग विज्ञान का।
ओर काम यहाँ सब ज्ञान का॥

ज्ञान न वो केवल हो व्यवहारिक।
सम्पूर्ण शिक्षा भी हो आधिकारिक॥

देश भविष्य जब चिंतन आया।
बाल भविष्य इक प्रश्न उठ-आया॥

राष्ट्र निर्माता जब हैं वो भावी।
उनकी शिक्षा फिर क्यों ना प्रभावी॥

शिक्षा क्यों सिर्फ सक्षम पाये।
असक्षम क्यों मुँह तकते जाए॥

सम्पूर्ण शिक्षा एक अधिकार हो।
गुणवत्ता एक जिसका आधार हो॥

"सर्व शिक्षा" इक अभियान हो।
शिक्षा सबकी पहचान हो॥

शिक्षित-अशिक्षित का एक आधार बने।
पर हित कुछ करने वाला ये संसार बने॥

स्व हिट कर सब बनते हैं मानी।
पर परिवर्तन की ये रैली ना है रुकने वाली॥

बाल शिक्षा का ये खेल हैं मनभावी।
'जरूरत' भी यहाँ हैं प्रभावी॥

-Gautam Dadhich
1st Year CSE

MEADOW'S SECRET

Birds chirping flowers blooming..
Comes a cold show of light..
Spreading darkness despite..
People walking children playing..
Women talking and few love making..
I saw them all bright..
Now not even a single sight..
Sun warming moon shy..
Dark take away all my light..
All flowers are dead now..
Birds so flew away..
My grass dry and tight..
No one wants to have a sight..
I never loose my hopes..
Then I get few water drops..
My grass is all alive..
Flowers and birds come this side..
I am all healthy now..
All asking I did it how..
I am just blooming now..
More beautiful than before the show...!! :-

-Ayushi Khandelwal
1st Year



Khyati Jha (1st year)

CRIMINAL

You can give me love and I will make it a mess
You can give me care and I'll still be in stress
I am unreliable I say
I say and I'll prove it in every way
You can solve me and I'll still be a mystery
You can write my luck and I'll bring back my history
I am the destructor of my own
I am a sadly happy Clown
You can stabilize me and my mind will still flicker
You can bury my pain and it will resurrect even stronger
I am the colorless painting of a dead artist
I am the lost music of a lonely guitarist
You can recreate me and I will go back to the earth
You can compare me to golds but I will always be the useless dirt
I am the ghost, haunting your dream
I am that criminal, who never wants to redeem

-Mahima Sindal
2nd Year



Ayushi Khandelwal (1st Year)

Faculty Members



**Prof. (Dr.) Vijay Singh Rathore
(H.O.D.)**

**Dr. Bhavna Sharma
(Dy. H.O.D.)**



Mr. Mukesh Agarwal



Dr. Neelam Chaplot



Mr. Amit Mithal



Mr. Gajendra Sharma



Mr. Vatan Mishra



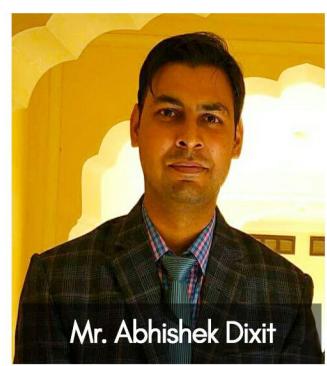
Ms. Richa Sharma

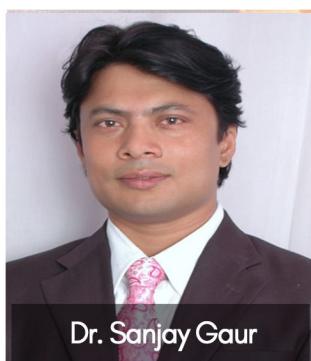
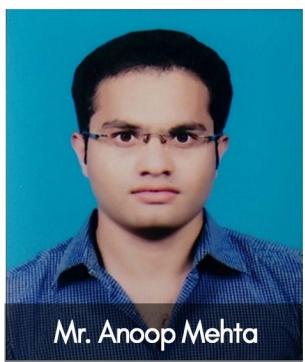
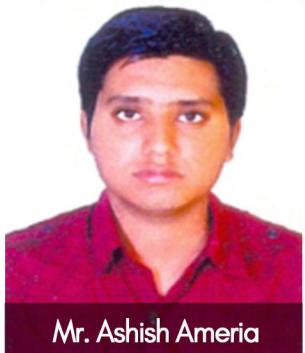


Ms. Anima Sharma



Ms. Shikha Maheshwari





BEHIND SCOOP



Prof. (Dr.) Vijay Singh Rathore
Advisor



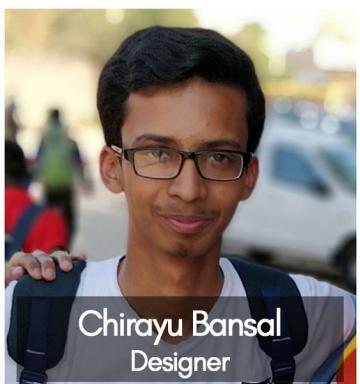
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