

**TESLA**  
**01/18**

***Electrical Engineering***  
***Department***  
***JECRC , Jaipur***

**TESL**  
**A**  
**01/18**

***January***

**2018**



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**Director  
JECRC, Jaipur**



## *Message*

The JECRC Foundation has been established with a view to provide world class education to our young minds so that they can shoulder their global responsibilities in the years to come.

The JECRC Foundation, now 18 years old, has established itself as one of the leading self-financed colleges in Northern India. This has been primarily due to the large significance that the college puts on the teaching learning process.

The focused areas at JECRC now, apart from teaching learning and placement would be research and development, entrepreneurship and outreach. We also strive to help our students in maintaining and spreading the rich Indian culture and lead the world as our country has done in the past. As you move ahead and rise higher in your life, you must entrench yourself in this unique realm that our culture endows us.

I wish to convey my greetings to all our Alumni and wish each one of them all success in their personal and professional lives.

Best Wishes

Mr. Arpit Agrawal  
Director  
JECRC, Jaipur



Principal  
JECRC, Jaipur



# Messa ge

A desire can change nothing, a destination can change something but a determination can change everything. Life is a set of problems, an engineer has to solve the problems in their domain areas with strong innovative ideas and scientific knowledge. Your commitment to become an engineer by denoting your journey in Jaipur Engineering College and Research Center will be fruitful and enjoyable in every aspect, the experience you gain from here and the moments you spend here.

Best Wishes

Dr. V. K. Chandna  
Principal  
JECRC, Jaipur

**HOD (EE)**  
**JECRC, Jaipur**



## Messa ge

Nikola Tesla, the well known Serbian- American electrical engineer is quoted as saying "Electrical sources has revealed to us the true nature of light has provided us with innumerate appliances and instruments of precision and has thereby vastly added to the exactness of our knowledge". His words portray the immensely wide and dynamically changing and ever developing world of electrical engineering open to electrical engineer.

It is a great pleasure to see the January, 2018 issue of EE newsletter **“Tesla 01/18”**. The department has well qualified staff with expertise in Power Systems, Control Systems, Power Electronics and Drives, Electrical Machines and Renewable Energy System assisted by skilled supporting staff. I would like to thank my existing team for their commitment and hard work. The department seeks to combine excellence in education and research. The core values of the department help the students to develop the students their overall personality and made them worthy technocrat to compete and work at global level. Our department has been conducting hands on workshop/seminar/training program since its beginning to keep the faculty and students to enhance the knowledge in their domain. Our mission includes a commitment to prepare students for professional and research activities with an ability to learn independently. I wish you all a successful, long-lived, engineering-based career path.

Best Wishes

Dr. Sandeep Vyas  
HOD, Electrical Engineering

JECRC, Jaipur



## ***Vision of the Institute***

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

## ***Mission of the Institute***

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



## ***Vision of Department***

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To Emerge as a Centre of Excellence in teaching in the area of Electrical Engineering; to serve as a valuable resource for society by promoting excellence.

## ***Mission of Department***

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M1: To provide professional and ethical guidance to the students to make them employable .

M2: To improve quality of education through different quality development programs for faculty and students .

M3: To encourage students to acquire practical knowledge through projects and participation in national and international events .

M4: To prepare our students for upcoming challenges of life through guidance for competitive examinations .



## ***PROGRAM OUTCOMES***

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***Engineering knowledge:*** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

***Problem analysis:*** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

***Design/development of solutions:*** Design solutions for complex Engineering problems design system components and processes that meet the or specified needs with consideration for the public health and safety and the cultural, social, and environmental considerations.

***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.

***Modern tool usage:*** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

***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.



***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.

***Ethics:*** Apply ethical principles and commit to professional ethics, responsibilities and norms of the engineering practice.

***Individual and team work:*** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

***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.

***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.

***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.



**Talent Pull Drive-**The **Talent Pull** came for the campus placement on 1st Dec and they conducted a lot of activities for the selection process of students which included aptitude test at first and then it was followed by GD and personal interview . Four students were selected from EE department named as Mr.Akshant Kumar, Mr.Abhishek Jain, Mr.Kathans Sundrawat, Mr.Vikram K. Jha with the package of 2.4 LPA



**BYJU'S Drive-** The **BYJU'S** came for the campus placement on Dec and they conducted a lot of activities for the selection process of students. Two students were selected from the EE department named as Mr. Ayush Bhatnagar, Mr. Himshikhar Chamoli with the package of 9.0 LPA.

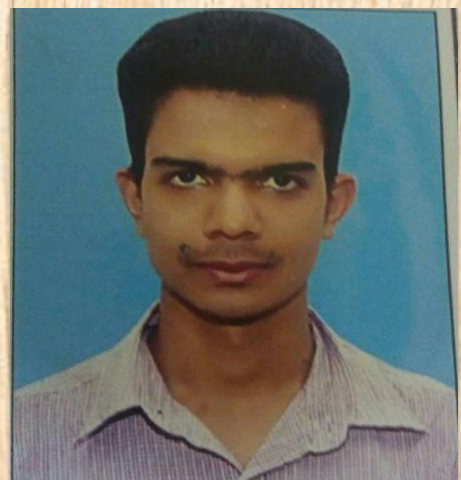




**Tata Consultancy Service-** Mr. Manu Singhal is selected in **Tata Consultancy Service** with the package of 2.64 LPA.



**Off Campus placement Drive-** Mr. Kuljot Singh and Mr. Sandeep Pareek are selected in **Focus Academy for Career Enhancement** with the package of 2.64 LPA.





## *CAREER SEMINAR*

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The Electrical Department of JECRC foundation organized a career seminar on: Opportunities for Electrical Engineers after B. Tech by a faculty member from Engineer's Academy on 23 Jan 2018 from 1:00 to 3:00 pm in JECRC Auditorium (A block) . In this seminar, he shared brief introduction about the opportunities for electrical engineers after B.Tech. the vote of thanks was proposed by Mr. Vishal Sharma and he is also coordinator of this seminar.





## *GUEST LECTURE*

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The Electrical Department of JECRC foundation organized a guest lecture by two highly eminent personalities from Engineer's Academy on 31<sup>st</sup> jan, 2018. The event was graced by Mr.Narsingh Bhadoria who did his M.tech from IIT Roorkee and has more than 4 years teaching experience for GATE students.He took the lecture on the topic High frequency amplifier or Tuned amplifier from the subject Analog Electronics for the students of 4th semester.And the second guest lecture was followed by explaining the State Space Variable from the subject Control System by Mr.Manoj Yadav who also did his M.tech from IIT kanpur and has more than 4years teaching experience for GATE students.





At the end of session the team of Engineer's Academy also shared few tips for the preparation of GATE, PSU'S etc. The students were highly enlightened and we're able to understand the concepts very well. Mr. Vishal Sharma is the coordinator of this.





TESLA  
01/18

## STUDENTS 'S ACHIEVEMENTS

- **Mr. Kapil Bindal** student of 4<sup>th</sup> year got selected in CAT 2018 exam scoring 95.16 percentile .He has been shortlisted for admission to:

IIM Bhodhgaya

IIM Kashipur

IIM Raipur

IIM Ranchi

IIM Rohtak

IIM sambalpur

IIM Sirmaur

IIM Udaipur

IIM Tiruchirappalli

COMMON ADMISSION TEST 2017 (CAT 2017)  
INDIAN INSTITUTES OF MANAGEMENT

CAT 2017 SCORE CARD

Name of the Candidate : KAPIL BINDAL

Address :  
JECRC CAMPUS  
EPIP INDIA GATE  
SITAPURA

Town/City : JAIPUR  
District : Jaipur  
State : RAJASTHAN  
Email : kapilbindal@gmail.com

Two Day Photo      Uploaded Photo

CAT Registration Number / User Id	7010078	Category	General
Gender	Male	PwD Status	No
Date of Birth	08/Apr/1995	Date and Time of Test	26-Nov-2017 09:00 AM - 12:00 PM

Section Verbal Ability & Reading Comprehension		Section Data Interpretation & Logical Reasoning		Section Quantitative Ability		Total	
Scaled Score	Percentile	Scaled Score	Percentile	Scaled Score	Percentile	Overall Scaled Score	Overall Percentile
57.78	91.57	42.99	98.64	38.32	86.10	139.09	95.16

Instructions:

- Only candidates who have taken the Common Admission Test (CAT 2017) are entitled to receive the scorecard. Keep a print-out of this scorecard for your information pertaining to CAT 2017. You will not receive scorecard by email or by post.
- The Overall Scaled Score is the sum of the scaled scores of the candidate in the three sections.
- Percentile refers to percentage of candidates who receive a score less than or equal to the score obtained by the candidate.
- IIMs and other IIM member institutions (and other duly accredited) use CAT 2017 scores on the basis of their own selection process. The scores are to be used only for selecting the candidates for Post Graduate/ Fellow Programme(s) in Management.
- Detection of instances of incorrect information and process violation by a candidate at any stage will lead to disqualification of the candidate. Candidate's score will become null and void and he/she will not be allowed to appear for CAT in future. If such instance goes undetected during the current selection process that are detected in subsequent years, such disqualification will take place with retrospective effect.
- All queries regarding post-CAT 2017 Selection process must be directed to respective IIMs. CAT Centre will not answer post-CAT related queries.
- CAT 2017 Score is valid only until 31st December 2018 and subject to meeting the minimum eligibility marks in the qualifying examination.
- Toll free number 1-800-246-3549 will be available till 29th January, 2018 and webmail support cathelpdesk@iimcat.ac.in will be available till 31st March, 2018 respectively.

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- **Mr. Prakhar Joshi** students of 3<sup>rd</sup> year won Best Delegate prize in INTRA-MUN JECRC 2018 held at JECRC University.





**FACULTY'S**  
**ACHIEVEMENTS**  
*Publications-*

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☐ Mr. Gopal Tiwari

Paper Name-Design and Development of Vehicle Driving Safety System Using Microcontroller

Name of Conference- ICRITETR-2017 , Jaipur

Status( Communicated/published)- Published on 24/12/2017

ISSN No- 978-93-5291-761-7

☐ Mr. Ram Singh

Paper Name-Design and Development of Vehicle Driving Safety System Using Microcontroller

Name of Conference- ICRITETR-2017 , Jaipur

Status( Communicated/published)- Published on 24/12/2017

ISSN No- 978-93-5291-761-7

☐ Mr. Ram Singh

Paper Name-Outcome Based Assessment of Engineering undergraduate final Year Projects for tire-2 Institutes

Name of Conference-International Conférence on Inventive Computation Technologies-18

Status( Communicated/published)- Published on 18/12/2017

ISBN No- 2194-5357, ISSN: 1381-2416

☐ Mr. Gopal Tiwari

Paper Name-Outcome Based Assessment of Engineering undergraduate final Year Projects for tire-2 Institutes

Name of Conference-International Conférence on Inventive Computation Technologies-18

Status( Communicated/published)- Published on 18/12/2017

ISBN No- 2194-5357, ISSN: 1381-2416



# EDITORIAL BOARD

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- Ms. Yajusha Sharma



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- Bharti Sharma



▪ Sakshi Sharma  
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(3<sup>rd</sup> year)



▪ Manu Sharma  
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▪ Mridula Soni  
(3<sup>rd</sup> year)





▪Ujjwal Sharma  
(2<sup>nd</sup> year)



▪Shashwat Tripathi  
(2<sup>nd</sup> year)

