



TESLA



Department of Electrical Engineering
Jaipur Engineering College and Research
Centre
Jaipur, Rajasthan 302022

PREFACE

“TESLA” is a magazine of Electrical Engineering (EE) Department, JECRC Foundation.

This magazine contains social and technical activities which are conducted in the interval of April, May and June of 2020.

CONTENTS

1. Online Classes
2. Online Examination
3. Meeting with the faculty members
4. Keynote Sessions
5. InnoLogue Sessions

VISION OF THE INSTITUTE



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

ART
WITHOUT
ENGINEERING IS
DREAMING
ENGINEERING
WITHOUT
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CALCULATING

Focus on
evaluation of
learning
outcomes and
motive student
to inculcate
research aptitude
by project based
learning.

MISSION OF THE INSTITUTE

Identify, based on informed perception of Indian, regional And global needs, the areas of focus and provide platform 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.

PROGRAM OUTCOMES

PO1:

Engineering Knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems in electrical engineering.

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

PO3:

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 in electrical engineering.

PO4:

Design/ Development of Solutions: Design solutions for complex ENGINEERING problem and design system component or processes, that most the specified need with appropriate consideration for the public health and safety and the cultural, social, and environmental considerations in electrical engineering.

PROGRAM OUTCOMES



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PO5:

The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues in electrical engineering.

PO6:

Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design or experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions in electrical engineering.

PO7:

Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge and need of sustainable development in electrical

PO8:

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



PROGRAM OUTCOMES

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PO11:
Individual and team work:
 Function effectively as a member
 of a diverse team in a variety of
 settings, including engineering teams
 and community organizations at
 large-scale projects.
 Communicate effectively
 and document engineering
 work.

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PO11:

Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply to own work in electrical engineering.

Life-long learning: Recognize the need for and have the preparation and ability to engage independent and life-long learning in electrical engineering.

MESSAGE



Mr. Arpit Agarwal

Director

JECRC, Jaipur

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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 20 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 plays on the teaching and 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.

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 Agarwal
Director

JECRC, Jaipur



MESSAGE

Dr V. K. Chandna
Principal
JECRC, JAIPUR



WITHOUT
ENGINEERING IS
A desire can
change something
DREAMING
everything.
ENGINEERING
Life is a set of prob
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problems in their
ART
innovative ideas a
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commitment to beco
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journey in Jaipur E
Centre will be fruitf
the experience you
you spend here.
Best Wishes



MESSAGE



Dr. Prerak Bharadwaj

HOD(EE)

JECRC, Jaipur

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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 April – June, 2020 issue of EE newsletter “**Tesla**”. 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. 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

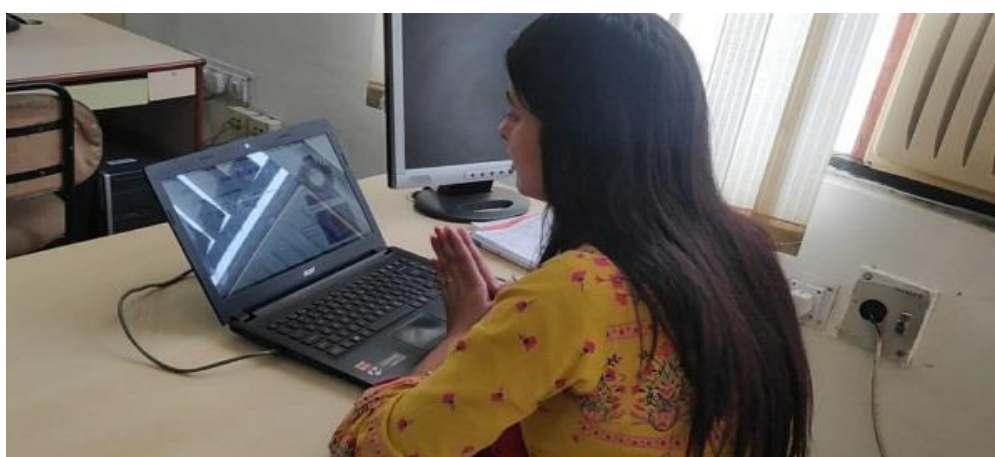
Dr. Prerak Bharadwaj

HOD (EE), JECRC



Online Classes

Online classes were conducted during the Covid-19 Pandemic. As per the instructions given by the Rajasthan Technical University (RTU).



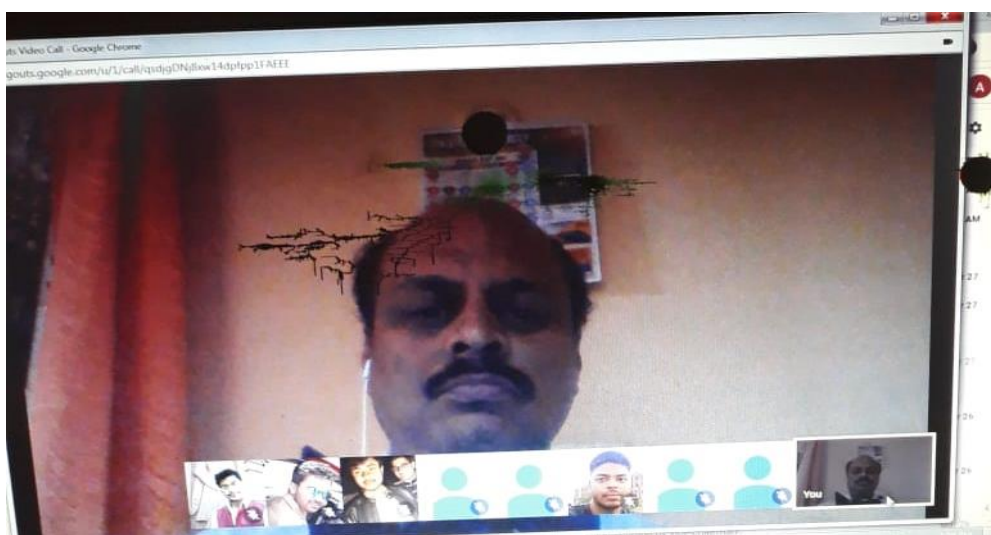
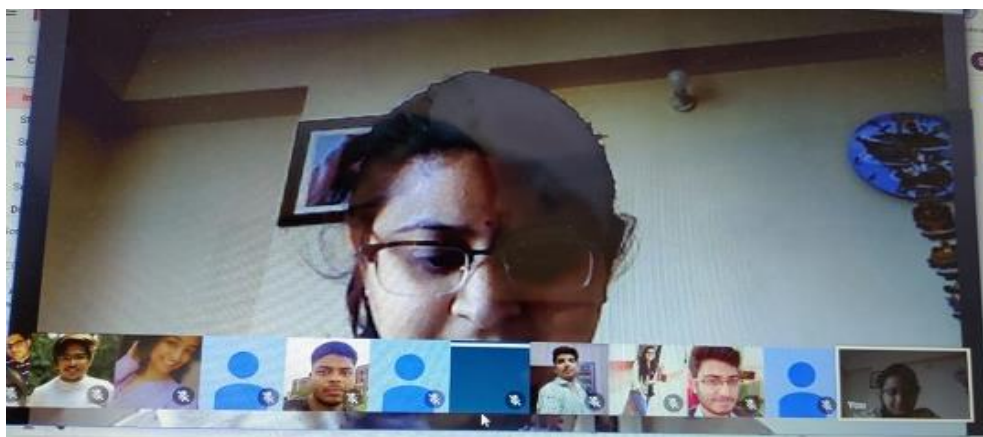
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Online Classes



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Online Examination

After the successful completion of the online classes, online internal examination were conducted. As the offline classes were affected by the Covid-19 Pandemic from mid of March.

Online internal Examination were conducted as per the instructions given by the Rajasthan Technical University (RTU) due to the same.

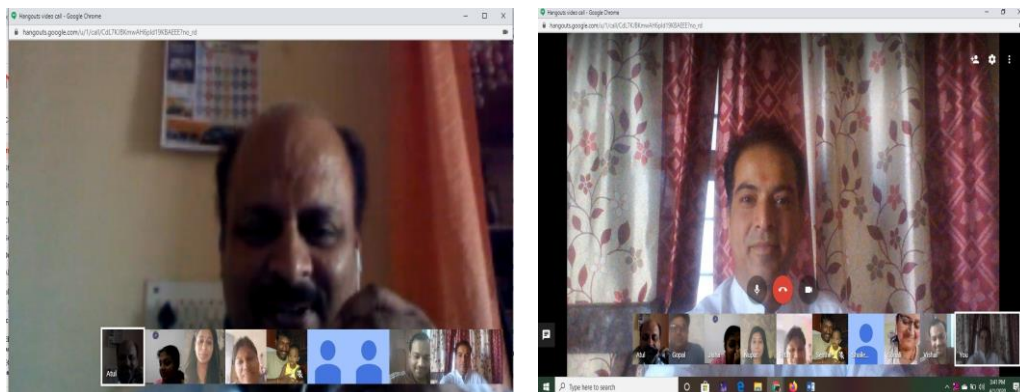
Online examinations were conducted on the platform- Google Classroom.



Meeting with the faculty members



Meetings with the faculty members were conducted during the Covid-19 Pandemic on the online platforms like – Hangouts and Zoom.

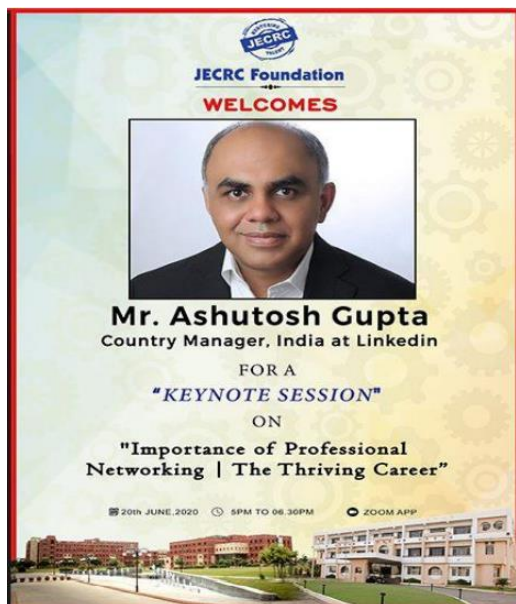


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Keynote Session

Keynote – An Alumni Interaction Series



JECRC Foundation
WELCOMES



Mr. Ashutosh Gupta
Country Manager, India at LinkedIn

FOR A
"KEYNOTE SESSION"
ON
"Importance of Professional
Networking | The Thriving Career"

20th JUNE, 2020 5PM TO 06.30PM ZOOM APP



JECRC Foundation
WELCOMES

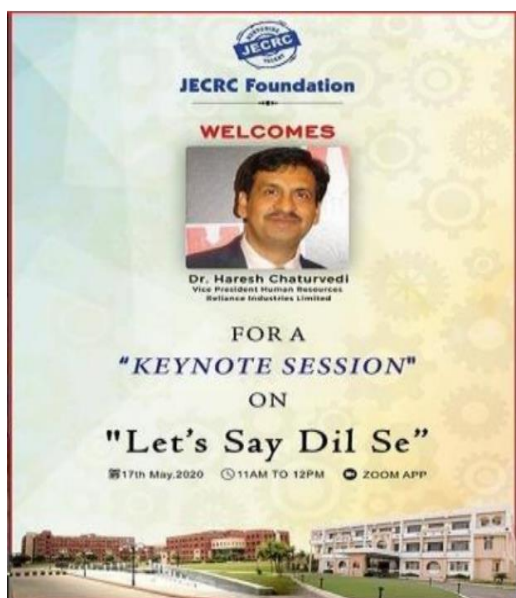


Pragathi Kumar Achanta
Director HR India at AT&T


FOR A
"KEYNOTE SESSION"
ON
"Paradigm Shift in Hiring Patterns
Post Pandemic"

18th JUNE, 2020 11AM TO 12.30PM ZOOM APP

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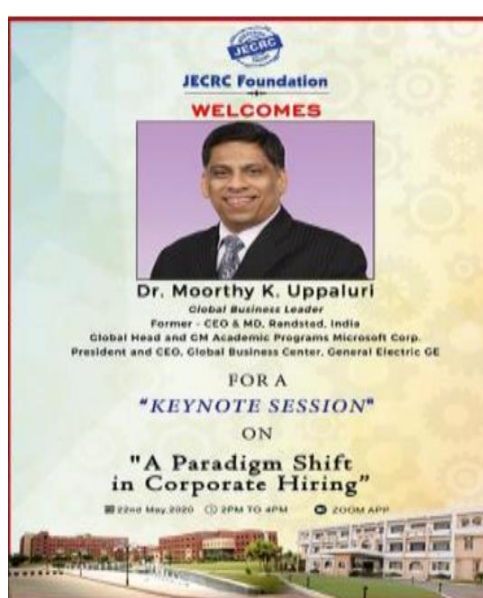
JECRC Foundation
WELCOMES




Dr. Hareesh Chaturvedi
Vice President Human Resources
Reliance Industries Limited

FOR A
"KEYNOTE SESSION"
ON
"Let's Say Dil Se"

17th May, 2020 11AM TO 12PM ZOOM APP



JECRC Foundation
WELCOMES



Dr. Moorthy K. Uppaluri
Global Business Leader
Former - CEO & MD, Randstad, India
Global Head and GM Academic Programs Microsoft Corp.
President and CEO, Global Business Center, General Electric GE

FOR A
"KEYNOTE SESSION"
ON
"A Paradigm Shift
in Corporate Hiring"

22nd May, 2020 2PM TO 4PM ZOOM APP



InnoLogue Session



InnoLogue- An Innovation Talk Series.

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The very first InnoLogue session was initiated on 25th of June with our guest speaker Mr. Akash Khurana - Global Vice President, Chief Information Officer, Chief Digital Officer for McDermott (The USA based 7 billion dollars multinational company).



EDITORIAL



Sonali Chadha

Assistant Professor, EE Department, JECRC

Student Coordinators



Milind Kumar

Student, (3rd Year)



Bhupesh Goyal

Student, (3rd Year)

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