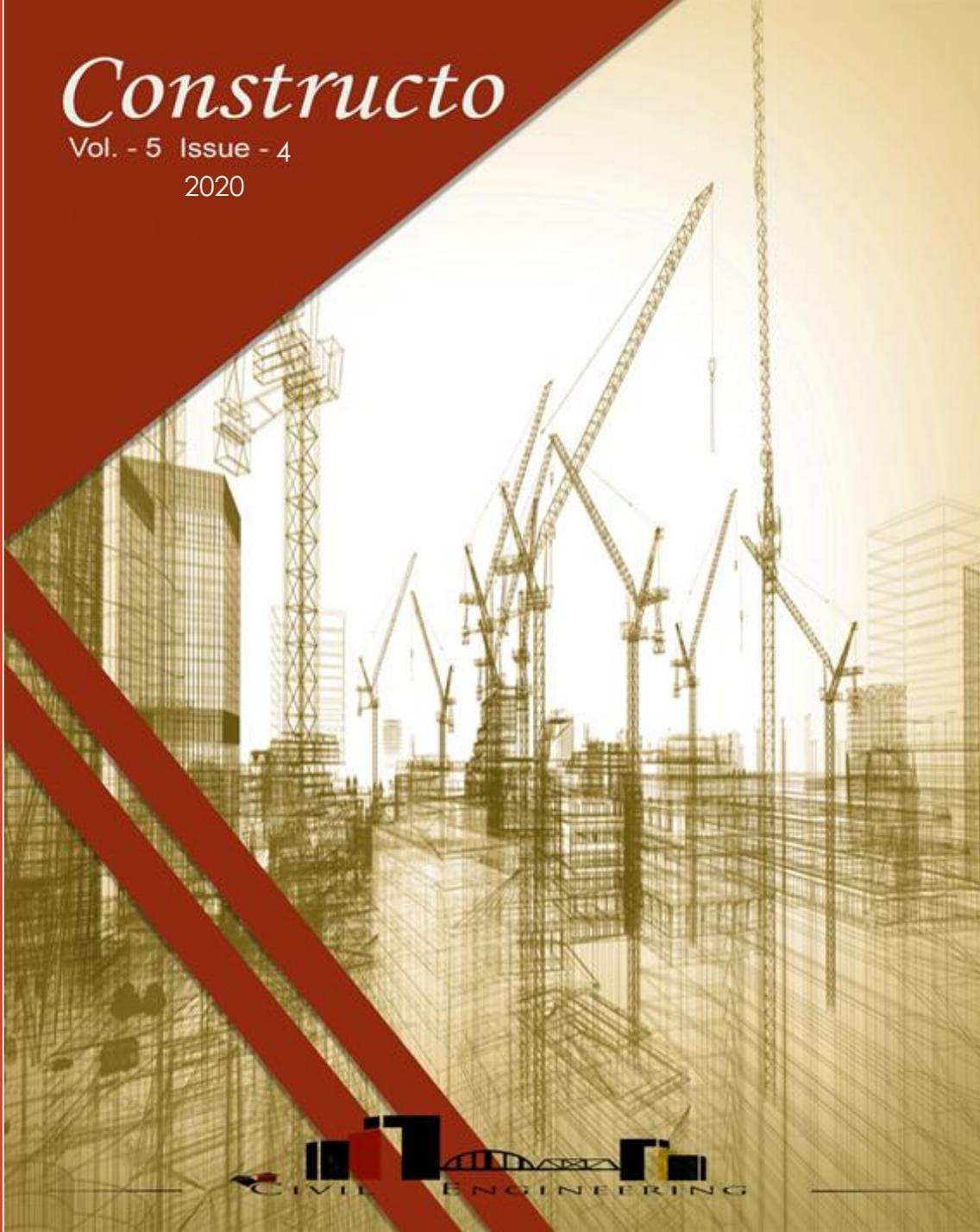


Constructo

Vol. - 5 Issue - 4
2020

VOL.5
ISSUE 4



Webinar Series

- Importance of software's in Civil Engineering Industry
- Remote sensing, GIS and DEM for Water Resource Assessment
- Material choices for future sustainable structure
- The Architectural, Engineering, and Construction Industry and the Fourth Industrial Revolution

Director's Message

We are currently in the era of engineering revolution, spearheaded by recent developments in engineering sciences providing sustainable solutions to various issues in different areas. The Indian engineering programs have a promising future particularly the **Civil Engineering** sectors are on the threshold of becoming global players by 2020. Fragments of this newsletter will track different events and activities that are taking place in the department. I extend my best wishes to all those who contributed to **Constructo** and I am confident that the interaction will be a source of inspiration to the young talent budding in the college, who would be the educationists, technocrats and researchers of tomorrow. They would shoulder the responsibility of bringing in the desired innovations in their fields, leading to the advancement of the country.



Mr. Arpit Agarwal
Director, JECRC

Principal's Message

Jaipur Engineering College and Research Centre (JECRC), Jaipur is recognized as one of the best technical institutes in Rajasthan and is adopting the process of change that demands quality outcome based education. The vision of the institute is to become an institute of excellence in imparting outcome based education, providing platform to students for overall self development that includes ethics, moral values, etc. and develop research aptitude through project base learning. In the process of implementing outcome based education (OBE) the faculty members are measuring the progress and competency of the student as they go through a course in each semester and are being accessed against pre defined package. The campus will soon have a video server where video lectures of all under graduate and post graduate programs delivered from the professors of IIT and IISc would be made available to the students 24x7 through a high speed wifi networking. This will create ample opportunities to learn the subject at there own base on there laptops and smart phones. All the credit goes to outstanding reputation and dedication of the institute for all these years, under the able guidance of visionary Shree Arpit Agarwal Ji, Director of JECRC. Here at JECRC ,Jaipur, we are committed to impart necessary skills and knowledge to our students in best possible manner, in good spirit and in good environment by allowing them to dream big and help them to achieve the same.



Dr. V. K. Chandna
Principal, JECRC

JECRC

Vision & Mission of The Institute

Vision

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

Mission

Focus on evaluation of learning outcomes and motivate students to inculcate research Aptitude by project based learning. Identify, based on informed perception of Indian, Regional and global needs, areas of focus and provide platform to gain knowledge and solutions. Offer opportunities for interaction between academia and industry. Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

Vision & Mission of The Department

Vision

To become a role model in the field of Civil engineering for the sustainable development of the society.

Mission

- To provide outcome base education
- To create a learning environment conducive for achieving academic excellence
- To prepare civil engineers for the society with high ethical values.

PROGRAM OUTCOMES

- **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 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.
- **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.

PROGRAM OUTCOMES

- **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 and 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.

Research Paper Details

- Paper Id :- EJMCM-2020-XX22
- Author Name :- Yogesh Kumar Agarwal
- Paper title :- Energy Valuation of hydroxyalkanoates as biopolymer mediated lignin degradation of lignocellulose waste.
- Published in :- European journal of molecular & clinical Medicine.
- Published on :- Nov–Dec 2020

Patent Details Of Mr. Yogesh Kumar Agarwal

- 1) Mechanism for detection and prevention of water and mud inrush in underwater construction using spatial analysis.
- 2) Water impurity detection using internet of thing (IOT) for Smart city.

Webinar On

“Importance of software’s in Civil Engineering Industry”

Date	05/08/2020
Topic	Importance of software’s in Civil Engineering Industry
Speaker	Er. Hitesh Lahoti
Participate Attended	218

Outcome

with the help of seminar student were aware of the software used in the civil engineering. Introduction and application was discuss carefully, got the basic information to develop a basic asset softwareknowledge.it help us to understand the design, project management, Execution ,etc. and to solve the problem of the participant live answering was arranged.



Department Of Civil Engineering
Jaipur Engineering College And Research Center

in association with

IEEE Antenna & propagation society (APS) Chapter-Jaipur IEEE Rajasthan
Subsection & OSA Student chapter-JECRC



present

one day webinar on

“Importance of software's in Civil Engineering Industry”

RESOURCE PERSON

Er. Hitesh Lahoti

(Director of Civil Engineering)
Software Academy, Pune

5 Aug 2020
Timing 11 am

Registration link -

<https://forms.gle/Vw5skVKm4iSPhR829>

E-certificate will be award
to the participants

Join Zoom Meeting-

[https://us02web.zoom.us/j/83508225544?](https://us02web.zoom.us/j/83508225544?pwd=ajA1NExlK2MrQ2lXeFlYZXRycFZldz09)
pwd=ajA1NExlK2MrQ2lXeFlYZXRycFZldz09



Moderator

Brijlata Sharma

Assistant professor
Civil department
JECRC Jaipur

Webinar On

“Remote sensing, GIS and DEM for Water Resource Assessment”

Date	21/08/2020
Topic	Remote sensing, GIS and DEM for Water Resource Assessment
Speaker	Prof. D. Nagseh Kumar
Participate Attended	315

Outcome

The session was thought provoking, helping participants to understand the applications of Remote Sensing, GIS and DEM, which provide a platform for handling, compiling and presenting large amount of data for water resources management, also giving an insight into future research in this field



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

AUGUST 21,
2020

Department of Civil Engineering
Jaipur Engineering College and Research Centre, Jaipur

PRESENTS
WEBINAR ON

Remote Sensing, GIS and DEM for Water Resources Assessment

Prof. D. Nagseh Kumar



*Prof. Satish Dhawan Chair Professor
Professor, Dept. of Civil Engineering
Associate Faculty, Centre for Earth Sciences (CEaS)
Associate Faculty, Interdisciplinary Centre for Water Research (ICWaR)
Associate Faculty, Divecha Centre for Climate Change (DCCC)
Indian Institute of Science - Bangalore*

E-Certificates to all participants

Aug 21, 2020 10:45 AM
 Zoom app

No Registration Fee

Meeting link will be shared with
registered participants

Registration link :
<https://forms.gle/GRdn8EqgBPoXrKzo7>

Scan for Registration



Sh. Arpit Agarwal
Vice Chairperson
JECRC Foundation



Prof. V.K. Chandna
Principal
JECRC, Jaipur



Dr. Omprakash Netula
Professor & HOD(CE)
JECRC, Jaipur



Mr. Yogesh Kumar Agarwal
Assistant Professor - Civil Engg.
JECRC, Jaipur



Mr. Pradeep Kumar Jain
Assistant Professor - Civil Engg.
JECRC, Jaipur
Contact : +91 - 9261390542, +91 - 7976187520

Webinar On

“Material choices for future sustainable structure”

Date	28/08/2020
Topic	Material choices for future sustainable structure
Speaker	Dr. Mahmud Ashraf
Participate Attended	307

Outcome

after the session we aware of The material choice for sustainable development is basically a ideal thing to achieve which we generally try to reach the limit This development cares for fundamentals for conservation of human resources, ecosystem and sustainable building are the practice of creating efficient model of construction and use of 3d printing for construction , renovation and demolition in a healthy way and different material are used in construction of building which don't harm the precious atmosphere .



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

AUGUST 28,
2020

Department of Civil Engineering
Jaipur Engineering College and Research Centre, Jaipur
PRESENTS
INTERNATIONAL WEBINAR
ON
Material Choices for Future Sustainable Structures



Dr Mahmud Ashraf

Professor of Civil Engineering
Deakin University, Australia
Ph.D. - Imperial College London

E-Certificates to all participants

Aug 28, 2020 09:45 AM

Zoom app

No Registration Fee

Meeting link will be shared with
registered participants

Registration link :

<https://forms.gle/GRdn8EqgBPoXrKzo7>

Scan for Registration



Sh. Arpit Agarwal
Vice Chairperson
JECRC Foundation



Prof. V.K. Chandna
Principal
JECRC, Jaipur



Dr. Omprakash Netula
Professor & HOD(CE)
JECRC, Jaipur



Mr. Yogesh Kumar Agarwal
Assistant Professor - Civil Engg.
JECRC, Jaipur



Mr. Pradeep Kumar Jain
Assistant Professor - Civil Engg.
JECRC, Jaipur
Contact : +91 - 9261390542, +91 - 7976187520

Webinar On

“The Architectural, Engineering, and Construction Industry and the Fourth Industrial Revolution”

Date	22/10/2020
Topic	The Architectural, Engineering, and Construction Industry and the Fourth Industrial Revolution
Speaker	Professor Lucio Soibelman
Participate Attended	310

Outcome

The outcome of the session was that participants got aware about the architectural, engineering, and construction industry is responsible for the design construction, operation, and decommission of buildings and other facilities, transportation infrastructure, telecommunication networks, the power grid, water distribution and wastewater collection systems among many other important and complex systems.



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

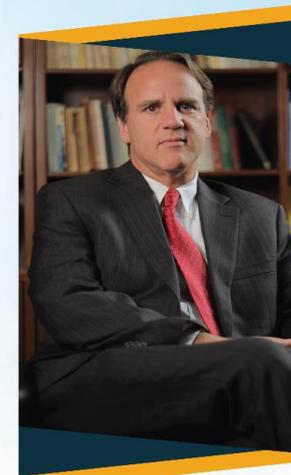
INTERNATIONAL WEBINAR

OCTOBER 22, 2020

08:15 AM (IST)

Department of Civil Engineering
Jaipur Engineering College and Research Centre, Jaipur
PRESENTS
INTERNATIONAL WEBINAR
ON

The Architectural, Engineering and Construction Industry
and the Fourth Industrial Revolution



Professor Lucio Soibelman
Professor, Civil and Environmental Engineering
University of Southern California
Los Angeles, California - United States
(Ph.D. - Massachusetts Institute of Technology,
Cambridge, United State)



Sh. Arpit Agarwal
Vice Chairperson
JECRC Foundation



Prof. V.K. Chandna
Principal
JECRC, Jaipur



Dr. Omprakash Netula
Professor & HOD(CE)
JECRC, Jaipur



Mr. Yogesh Kumar Agarwal
Assistant Professor - Civil Engg.
JECRC, Jaipur



Mr. Pradeep Kumar Jain
Assistant Professor - Civil Engg.
JECRC, Jaipur

No Registration Fee

E-Certificates to all participants

Meeting link will be shared with registered participants

Scan for Registration

Contact Details :

Yogesh Kumar Agarwal : +91- 9261390542

Pradeep Kumar Jain : +91- 7976187520

Registration link :

<https://forms.gle/GRdn8EqgBPoXrKzo7>



FACULTY MESSAGE



Mr. Aashish Baroida

We welcome you to Jaipur Engineering College and Research Centre. We are extremely pleased that you have chosen to pursue your professional studies at this premier institution which is one of the best in the North region.

We acknowledge that technical education demands both: self-discipline and diligence, as well as emotional balance and well-being. Therefore, the college has a qualified, resident Campus Counsellor and Campus Minister to assist students and the College Chapel provides place for solitude, meditation and prayer. Catholic students are urged to participate in the early morning services conducted every day.



Mr. Akhil Maheshwari

JECRC is the Platform that admits deserving students from all communities in order to support the aspirations and ambitions of young people, particularly those from disadvantaged backgrounds, who wish to secure a better future. You have taken the first step in that direction – now it is up to you to continue your journey. Your education here will be complete only when you take full advantage of all the facilities we offer.

Take advantage of the multiple forums available to develop and enhance your personality. Department associations and clubs organize both intra and inter college events at formal and informal levels. Participation in co-curricular activities will help you acquire communication, organizational and leadership skills that will be crucial in advancing your career. Spend time after class exercising on the field or in the gym. JECRC has facilities for both indoor and outdoor sports and coaches students to compete sport and athletic events.

FACULTY COORDINATORS



Nida Khanam
SDO

STUDENT COORDINATORS



Bhavy Kumar Jain
CE 3rd Year

Harshit Gupta
CE 3rd Year

