



# Constructo Newsletter

Vol-1 Issue-1

Department of Civil Engineering



## 2017

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## 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.*



### Director's message

At the outset, I heartily congratulate you for initiating a new concept in the form of your departmental newsletter. The introduction of this newsletter is the result of your confidence, creativity and innovation. The JECRC Foundation, has established itself as one of the leading self-financed colleges in north India. This has been primarily due to the large significance that the College puts on the Teaching-Learning process. Speakers from corporate world and thought leaders regularly visit JECRC to interact with the students. As we all know, digital media has come-up in a big way. It has opened up vast vistas of new possibilities. I am glad to note that the team have made use of this development and harnessed it in a big way in the form of this newsletter. I am particularly glad to know that this communication will establish a tread of acquaintance with our alumni who are doing wonders across the world and raising the flag of JECRC higher and higher, for which JECRC owes a lot to them. I invite all of you to come join us in the initiative. I once again congratulate the whole team and hoping this will prove to be a milestone in the digital journey of JECRC as well as the Civil Department.

Mr. Arpit Agarwal  
Director, JECRC Foundation



### Principal's message

I am extremely delighted to know that students of Civil Department of JECRC are bringing out their departmental newsletter. This will benefit all the students as they can now be aspired for greater heights by knowing about their Department's achievements. This will also foster professional and social networking form time to time. It indeed creates a great feeling to know about the initiative taken by the Department to facilitate the students with necessary information, record keeping as well as increasing student capabilities through active participation. Students have exhibited a great zeal and enthusiasm and have contributed significantly to the inter and intra college activities like Seminars, Workshops, Conferences, Placement programs, Technical and Cultural events etc. The editorial team has initiated something that will continue to help and guide present and upcoming students of the Department. Personally, I feel that students of JECRC should set standards and create environment so that they excel in their areas of interests and accordingly guide more and more JECRC'ians in future. On our part we will continue to swirl to make achievements for you. We wish you all the best in your endeavours.

Dr. VK Chandna  
Principle, JECRC Foundation

# VISION

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

# MISSION

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



## HOD's message

Civil engineering being one of the core and most fundamental engineering branches is fully dedicated towards the same teaching and learning philosophy of the Foundation. In the modern world of construction where we witness every day as a day of a new construction method, material and skill, it is very much important to forward the same to the students by means of latest teaching aids and by providing an equal and proper learning platform. Hence with a team of dozen of highly qualified and experienced faculty members we offer the most enjoyable and effective learning to all the students.

**Mr.KAMLESH CHOUDHARY**

**HOD,CIVIL Department**

## About Civil Engineering

**Civil engineering** is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams, and buildings. Civil engineering is traditionally broken into a number of sub-disciplines. It is the second-oldest engineering discipline after military engineering, and it is defined to distinguish non-military engineering from military engineering. Civil engineering takes place in the public sector from municipal through to national governments, and in the private sector from individual homeowners through to international companies.

## Department of Civil Engineering

Jaipur engineering college & research centre, Jaipur was established in 2000 and the Civil Engineering Department is part of the institute. The Department has grown tremendously over the years and is now recognized as one of the major engineering departments in the country. The department has developed strong links with the building and construction industry and academic and research in the country. The Department of Civil Engineering with its multifaceted faculty continues to maintain and cultivate its strong links with the infrastructural industry and academic in the country.



## Outreach Activities

### RMC PLANT VISIT

Students of B.Tech 2nd year civil department along with faculty members visited Lafarge RMC plant. Ready Mix Concrete (RMC) is a ready to use material, with predetermined mixture of cement, sand, aggregate and water. RMC is a type of concrete manufactured in a factory according to set a recipe or as per specifications of the customer. RMC is prepared in a factory because bags of cement, sand, aggregate, supply of clean water and other additives are to be delivered to a construction site which is not easily available. Secondly one small error in wet/dry ratio can render an entire batch of concrete unstable and it is also time consuming. RMC manufactured in factories are made with high precision in controlled surroundings and with constant monitoring.



#### TRAVELLING

Travel while you are young and able. Don't worry about the money just make it work. **Experience is far more valuable** than money will ever be.

### JANTAR MANTAR



Students of B.Tech 2nd year civil department along with faculty members visited jantar mantar ,jaipur. "Jantar Mantar" these two magical and mysteries words chanting in India by many people in their childhood to fulfill their magical dreams but these words are more than that. The term "Jantar Mantar" literally means "instruments for measuring the harmony of the heavens". In Jaipur city there are palaces, temples, gardens and ponds they all have their importance in their place but the astronomical observatory established by the king Sawai Jai Singh have International importance. The Jantar Mantar houses various architectural and astrological instruments that have caught the interests of astronomers, historians and architects around the world. It is considered to be one of the largest observatories ever built..



## STONE MART VISIT

Civil department (3rd year student) visited the 9th international India Stone Mart 2017 on 4th February 2017 at Jaipur Exhibition and Convention Centre, Sitapura Industrial area, Jaipur under the guidance of civil department of JECRC Foundation. To know about various stones which can be used as building materials, their manufacturer sand machines used in stone Industries. India Stone mart 2017 is the largest international exposition on stone industry which showcases the world of natural dimensional stones, ancillary products and services comprehensively. The event bring together various stake holders of the stone industry viz domestic and overseas producers, exporters / importers, consumers and buyers, experts, technology providers, architects, builders, developers, corporate, etc. under one umbrella. India Stone mart 2017 provide an ideal platform to the exhibitors to promote their products, services and brand

image amongst the consumers from across the globe and establish business linkages and networking with them for enhancing their business horizon and prospects.





# Internship

by Yash Maheshwari(4<sup>th</sup> yr)

While 'Jugaad' and 'References' do play a very important role, unfortunately, in India, I would suggest you the following ways to approach a company:-

1. Contact your placement cell/professors in university. The university and the professors in civil engineering department have been working for years now and have contacts with the industry. They will surely be able to help you out. If your placement cell/professor is warm and helpful, they will give you a contact and even may recommend you on their part. But if they are not as warm, then be stubborn and try to push for contacts. Then go to the second point.

2. Contact the 'contact' that you received. Other sources that you can reach the people is via linkedin and via other friends / seniors who are working for any of those big companies that you want to work for. Go meet them in office. Carry your resume along ( a few copies should be handy).

3. Sometimes luckily companies do post the internship requirements online (LinkedIn, Naukri.com and alike, internship websites), so keep looking for them eagerly. And start looking in october itself, if you want to intern in May of next year. Companies start releasing any possible intern positions around november december (though it is very very rare in India).

It is a nutcracker to get an internship. And seldom do interns get paid here. So be aware that no one would pay you for your service, but it is for your benefit that you need to continue to provide your services for free, if that is the case. Internships teach you so much, if you are serious, that you are easily able to land a decent job later. And keep in touch with those people whom you work with. They could help you in job search too. All the best!

## COMPANY HIRING INTERNS

- 1- L&T ( LARSEN AND TOUBRO )
- 2- HCC (Hindustan Construction Company Ltd )
- 3- Reliance Industries
- 4- India Bulls
- 5- Jaypee Group
- 6- Ultratech Cement
- 7- DLF
- 8- Ambuja Cement
- 9- Tata steel

10- HEADING 5  
11- Contact Info

## GOVERNMENT JOBS AFTER CIVIL ENGINEERING

- PSU's via Gate ( try to get a really good rank, under 200 AIR or even 100 for some PSU's)
- IES (Indian Engineering Services). This is again a very competitive examination. You might have to get under 100 rank AIR, or even under 25 AIR for Railways/CPWD.
- State Government Exams :- Every state has their own exams for the recruitment of civil engineers in various departments, like, PWD, Irrigation department, Sanitation and sewage, Municipal Corporations etc.
- Log in to [jecrcgovernmentjobs.com](http://jecrcgovernmentjobs.com) for more details.

## Seminar by Professor P.S. Kanddhal



Prof. Prithvi Singh Kandhal is Associate Director Emeritus of the National Center for Asphalt Technology (NCAT) based at Auburn University, Alabama, U.S.A. NCAT is the largest asphalt (bitumen) road technology center in the world. A special lecture was conducted at jecrc A-Block auditorium by civil department. . the lecture was delivered by prof. p.s.kandhal . The lecture was beneficial for student about new technologies used in the asphalt technology. They taught about cold mix designs and Bituminous Road Construction in India.

- There he covered following topics :
  1. Why roads in India fail prematurely especially during monsoons?
  2. Potholes, potholes and more potholes in India - how to repair them especially during monsoons?
  3. Why the NHAI is burying bitumen worth hundreds of crores rupees under national highways



## Faculty Corner

Coming together is a beginning;  
Keeping together is progress;  
Working together is a success.  
~HENRY FORD



**Mr. Kamlesh Choudhary**  
Assistant Professor  
(Head of Department)  
M.Tech (Transportation  
Engineering)  
Experience – 3 Years



**Mr Jitesh Jain**  
Lecturer  
M.Tech (Structural  
Engineering)  
Experience – 7 Year



**Mrs Anjana Poonia**  
Assistant Professor  
M.Tech (Environmental  
Engineering)  
Experience – 9 years  
Associate Member of IET  
Organisation.



**Mr Hetram Sharma**  
Assistant Professor  
M.Tech\*(Transportation  
Engineering)  
Experience – 5 yrs



**Mr Amit Mittal**  
Lecturer  
M.tech\*(Structural  
Engineering)  
Experience – 4 years



**Mrs Monika Sharma**  
Assistant Professor  
M.Tech\*(Environmental Engineering)  
Experience- 3 Years  
Member Of TERI Organisation



**Mr Sandeep Kr Tailor**  
Assistant Professor  
M.Tech\*(Structural  
Engineering)  
Experience – 5 Years



**Mr Akhil Maheshwari**  
Assistant Professor  
M.Tech(Structural Engineering)  
Experience -5 Years

**Mr Ajit Singh**

- Diploma
- RMT Lab Assistant

**Mr Akhil Sharma**

- Diploma
- Survey Lab Assistant

**Mr Pawan Sharma**

- B.Tech
- Environment Lab Assistant





**Mr Rohit Singhal**  
Lecturer  
B.Tech  
Experience -1.5 Years



**Ms Nida Khanam**  
Lecturer  
M.Tech\*(Structural  
Engineering)  
Experience -1.5 Years



**Mr Ashish Boraida**  
Assistant Professor  
M.Tech\* (Thermal Engineering)  
Experience – 3 Years



**Ms Brijlata Sharma**  
Assistant Professor  
B.Tech  
Experience- 2.5 Years



**Mr Yogesh Agarwal**  
Assistant Professor  
Tech\*(Structural Engineering)  
Experience – 2.6 Years



**Ms Shilpa Thakur**  
Lecturer  
M.Tech\*(Structural  
engineering)  
Experience- 1.5 Years



**Mr Sunil Kr Rathore**  
Assistant Professor  
M.Tech\*(Structural Engineering)  
Experience- 1 Year



**Mr Pradeep Kumar Jain**  
Assistant Professor  
B.Tech  
Experience- 2.5 Years



**Ms Anuradha Singh**  
Assistant Professor  
M.Tech( TRansportation  
Engineering)  
Experience - 3 Years



**Mr Hitesh Nagar**  
Assistant Professor  
B.tech  
Experience -1 Year

# Student Corner

## -Social Groups-

			
<p><b>Aashayein</b> The Life Saviours As a responsible citizen, a wish to be Saviours of huminity is inculcated in us. Aashayein answers this call of duty by donating platelets &amp; blood to people.</p>	<p><b>SOCH</b> kuch kar dikhane ki soch is a social initiative in JECRC ,It is all about helping others..here we mean any form of help...soch is based on feeling you get by helping a needy.</p>	<p><b>Zarurat</b> The Help Beyond To impart quality education to underpriviledged children.</p>	<p><b>Suhasini</b> An Initiative To Save The Smile Of Girl Child A social group of JECRC Foundation, Jaipur . A team of extremely dedicated members basically working for the welfare of girl child.</p>

**PLACEMENT**



1. Chakravati singh Rathore
2. Rajat Gujral
3. Aman Madan
4. Anurag sharma
5. Himanshu Rathore
6. Aman Goyal



**Anurag Tiwari**



**Utkarsh Agarwal**

SUCCESS DOES NOT LIE IN  
"RESULTS"  
BUT IN "EFFORTS",  
"BEING" THE BEST IS NOT SO IMPORTANT,  
"DOING" THE BEST IS ALL THAT MATTERS...

*EDITORIAL SECTION*



**YASH MAHESHWARI**  
4<sup>th</sup> Yr



**AYUSH DHAMANI**  
4<sup>th</sup> Yr



**AADITYA PRASHANT**  
3<sup>rd</sup> Yr

