

@ GLB Mathura



G L Bajaj Group of Institutions, Mathura

(Approved by AICTE, CoA & Affiliated to Dr APJAKTU, Lucknow)

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e-NewsLetter

DEPARTMENT OF CIVIL ENGINEERING



G L Bajaj Group of Institutions, Mathura

What's Inside

◆
Departmental
Activities

◆
Faculty
Achievements

◆
Student
Achievements

◆
Alumni
Testimonials

◆
Latest Trends

Learning is a lifelong process. Education is more important affair in our life than learning or being literate. The newsletter is a good way to learn about developments and activities and let others know. I congratulate all the people who have been associated with this publication.

Dr. R K Agrawal
Chairman

It is wisely said that change is the only thing that is permanent in life. So be it, for the department as well. Since this is for first time, the e-Newsletter is introduced, I congratulate the editorial board, advisory board and the department for the very first step towards online publication. I hope everyone would be benefited with it.

Mr. Pankaj Agrawal
Vice-Chairman

As we all know, a newsletter mirrors a college, a department, its vision and mission. It also highlights events, activities and academic prowess and achievements. I congratulate the department for its first e-Newsletter. I do hope that this will encourage many more including students to use it as a platform to express their creativity.

Dr. L K Tyagi
Director



From the Desk of Editor



It is my privilege to bring out the Issue 2 of Vol. 1 of our biannual e-Newsletter Department of Civil Engineering. This newsletter serves as the channel in highlighting the departmental proceedings while shaping the skills in our young students. This issue addresses departmental activities, faculty achievements, student achievements, alumni testimonials and a few upcoming developments and trends in civil engineering.

I would like to thank and appreciate the efforts of my faculty and supporting technical staff members who contributed to this issue. We are equally open to comments, criticism and suggestions to make it more informative.

Our Toppers

Second Year

- First: **Maulik Gupta**
- Second: **Mohd. Afzal Ali**
- Third: **Vinay Vishwakarma**

Third Year

- First: **Pavan Kumar**
- Second: **Sumit Kumar**
- Third: **Sandeep Kumar Yadav**

Final Year

- First: **Om Prakash Chhonkar**
- Second: **Himanshu Agrawal**
- Third: **Rohan Prasad**

Students Awards in Sports

- Yash Chaudhary won Gold medal in Shotput Events at State Level Sport Fest organised by AKTU.
- Mohd Afzal Ali and Vinay Vishwakarma got 2nd position in Bridge making competition in Zonal Level Sports Fest by Aktu, Lucknow(25-27 Oct.2018).

Faculty's Contribution and Achievements

Mr. Vimal Gupta, Associate Professor & HOD Published a research paper in SCI Journal

Title: Strategic Policy Modeling for Stewardship Program of Spent Portable Batteries

Authors: Vimal Kumar Gupta, Rajendra Kumar Kaushal, Sheo Prasad Shukla, (2018) Volume: 22 Issue: 4

Journal: Journal of Hazardous, Toxic, and Radioactive Waste

Publisher: American society of Civil Engineers

DOI: [https://doi.org/10.1061/\(ASCE\)HZ.2153-5515.0000418](https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000418)

Nishant Kumar, Assistant Professor attended 5 days Online Faculty Development Program from NITTTR, Chandigarh.

Mrs. Nidhi Gautam, Assistant Professor attended 10 days workshop on Control System conducted by NMEICT, IIT Kharagpur.

Latest Trends @ Civil Engineering

- Virtual Reality (VR) and Augmented Reality (AR) will become mainstream.
- Building Information Modeling (BIM) will be used in large-scale applications.
- Demand for sustainable designs will rise.
- Drones will remain a mainstay.
- Advanced building materials will shape the civil engineering designs of the future.
- Internet of Things (IoT) will be leveraged to engineer smart cities.
- 3D printing is expected to have the most significant impact in civil engineering.
- Robotics are continuously growing more precise and accurate, and they are expected to become a commanding force in construction industry.
- The use of standardized process to assemble as much as possible off-site before they complete the construction project on site can cut down the cost and lead times.

Syllabus Evaluation Sheet

Sem	Sub Code	Name of Subject	L	T	P	Evaluation Scheme				End Semester		Total	Credit
						CT	TA	Total	PS	TE	PE		
IV	KAS402	Maths III	3	1	0	30	20	50		100		150	4
	KVE401	Universal Human Values	3	0	0	30	20	50		100		150	3
	KCE401	Material Testing & Construction Practices	3	0	0	30	20	50		100		150	3
	KCE402	Introduction to Solid Mechanics	3	1	0	30	20	50		100		150	4
	KCE403	Hydraulic Engineering	3	1	0	30	20	50		100		150	4
	KCE451	Material Testing Lab	0	0	2				25		25	50	1
	KCE452	Solid Mechanics Lab	0	0	2				25		25	50	1
	KCE453	Hydraulics & Machine Lab	0	0	2				25		25	50	1
	KNC402	Environmental Science	2	0	0	15	10	25		50			
	Total			17	3	6						900	21
VI	RAS601	Industrial Management	3	0	0	20	10	30		70		100	3
	RUC601	Cyber Security	3	0	0	20	10	30		70		100	3
	RCE601	Design Of Structure-II	3	0	0	20	10	30		70		100	3
	RCE602	Environmental Engg	3	1	0	20	10	30		70		100	4
	RCE603	Transportation Engg	3	0	0	20	10	30		70		100	3
	RCE061	Foundation Design	3	1	0	20	10	30		70		100	4
	RCE651	CAD Lab 2	0	0	2			50			50	100	1
	RCE652	Environmental Engg Lab	0	0	2			50			50	100	1
	RCE653	Transportation Engg Lab	0	0	2			50			50	100	1
	RCE654	Structural Detailing Lab	0	0	2			50			50	100	1
Total											1000	24	
VIII		Open Electice Course 2	3	0	0	20	10	30		70		100	3
	RCE084	Solid Waste Management	3	1	0	20	10	30		70		100	4
	RCE085	Engg Hydrology & Ground Water Management	3	1	0	20	10	30		70		100	3
	RCE851	Seminar	0	0	3			100				100	2
	RCE852	Project 2	3	0	12			250			350	600	12
Total											1000	24	

Students passed with Honors

Batch	University Roll No	Name of Students
'2013-17	1351100032	Shubham Garg
	1351100006	Anchita Singh
	1351100019	Manish Upadhyay
	1351100018	Manish Gupta
2014-18	1451100024	Shubham Yadav
	1451100008	Geeta Chaudhary
	1451100018	Rijwan Ahmad
	1451100027	Vivek Kumar
	1451100002	Afjal Mohsin Ansari
	1451100022	Shivendra

Alumni Testimonials

Name of Students	Name of Organization	Designation	@ GL Bajaj
Manish Upadhyay	RMSI Pvt. Ltd.	GIS Engineer	Counseling at G L Bajaj helped me to get everything into perspective. I feel less stressed and lighter during Campus Placement.
Faizanuddin	Rudra Buildwell Project pvt. Ltd.	Structural Engineer	I think the emphasis on participation in each activity is the most valuable part of the B.Tech course and although a bit demanding, it definitely makes the course very practical and useful.
Geeta Chaudhary	B. L. Kashyap Pvt Ltd.	Planning Engineer	While I was (in college) I was exposed to this world that I didn't know was possible." It helped me a lot.
Manish Pathak	Desfab infratech Pvt. Ltd.	Site Incharge	A college degree is the key to realizing the dream, well worth the financial sacrifice because it is supposed to open the door to a world of opportunity.

Industrial Visits/Tours

- Visit to TERI Gram
- Brindavan Agro Industries Pvt Ltd Mathura



Academic Activity @ GLB

- Surveying camp
- Bridge making competition



Guest Lectures

- Guest Lecture on Government Funding on a Project by Mr. A. K. Singh, Senior Manager, Syndicate Bank, Representative of NIESBUD, Noida.
- Guest Lecture on Startup India by Mr. Suresh Kumar Verma, Ex-GM Syndicate Bank.



WorkShops @ GLB

- Conducted a workshop on design of bridge using stadd Pro driven by Apron Pvt. Ltd
- Two days workshop on Project Management using Primavera Software by CETPA Pvt. Ltd.

