



Civil Spectrum

Session 2022-2023



Lakshmi Narain College Of Technology, Bhopal
Department of Civil Engineering



Preface

In the Department of Civil Engineering at Lakshmi Narain College of Technology, Bhopal. We believe in sustainable excellence while staying aligned with our vision to produce socially responsible engineers and our mission to impart quality education and foster innovation. Our department prides itself on having state-of-the-art laboratories, highly qualified and experienced faculty, ICT-enabled classrooms, and a conducive environment for learning and innovation.

To ensure our students are well-prepared for the technological advancements in the construction and infrastructure industry, we take proactive steps to connect them with the industry through initiatives such as specialized workshops, industry-sponsored projects, site visits, and collaborative internships with leading construction firms.

This not only makes them aware of real-world challenges but also provides them with the opportunity to build the skill set required to thrive in a dynamic environment. Our carefully designed pedagogy fosters creative thinking, technical expertise, and leadership skills among students, enabling them to excel and make a meaningful impact.

Since our inception in the Department of Civil Engineering has achieved significant milestones such as establishing advanced material testing facilities, successfully organizing annual technical symposiums like "Construct," and achieving high placement rates for graduates in leading infrastructure firms. These accomplishments reflect our commitment to nurturing the latent potential of our students and faculty members to contribute meaningfully to society. The department offers a Bachelor's Degree in Civil Engineering, equipping students with both theoretical knowledge and practical skills.

As we present this magazine, we reflect on the achievements of our students and faculty, showcasing remarkable projects like the award-winning sustainable housing design, innovative research in smart construction materials, and success in national-level competitions. These highlights are a testament to the relentless efforts that define our department's ethos. We are immensely grateful to all our stakeholders - students, faculty, parents, alumni, technicians, and the community at large — for playing an integral role in our journey toward excellence.

Dr. Rajeev Parihar
Head of the Department
Civil Engineering Department
Lakshmi Narain College of Technology, Bhopal



Editorial Note

Dear Reader,

It is with immense pride and enthusiasm that we present the latest edition of the Civil Engineering Department Magazine of Lakshmi Narain College of Technology. This publication stands as a reflection of the intellectual curiosity, technical excellence, and creative spirit that define our students and faculty.

Civil engineering, as one of the oldest and most impactful branches of engineering, continues to shape the world we live in—from sustainable infrastructure and smart cities to resilient transportation systems and environmental stewardship. In this evolving landscape, our department remains committed to nurturing engineers who are not only technically proficient but also socially responsible and innovative thinkers.

This magazine is a testament to that commitment. Within these pages, you will find a diverse collection of articles, technical insights, project highlights, and creative contributions that showcase the talent and dedication of our students. It also highlights departmental achievements, academic milestones, and collaborative initiatives that continue to elevate our standards of excellence.

We encourage every reader to engage with the ideas presented here, draw inspiration, and contribute to the ever-growing body of knowledge in civil engineering. Let this magazine serve not only as a record of accomplishments but also as a platform for expression and innovation.

We extend our heartfelt gratitude to all contributors, editors, and faculty members whose efforts have made this publication possible. Your dedication ensures that this magazine continues to inspire and inform.

Wishing you an enriching and insightful reading experience.



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Vision of the Department

To be a fountain head of new ideas and innovation in Civil Engineering.

Mission of the Department

- To offer assured quality programs in Civil Engineering with state of art technology and moral values.
- To inculcate the quality of entrepreneurship among graduating students.
- To be a centre of excellence in Civil engineering programme.



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LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Expert Lectures

Report on Expert Lecture by Mr. Faisal Shahi on the Utilities of Total Station and DGPS in Surveying

On 11th October 2022, Mr. Faisal Shahi, Director of Shahi Survey Academy in Bhopal, delivered an expert lecture on the utilities of Total Station and DGPS in surveying at the Seminar hall of Lakshmi Narain College of Technology and Science (LNCTS) in the new building. The lecture was attended by the students of the 3rd and 5th semester of Civil Engineering.



Finally, Mr. Shahi concluded the lecture by highlighting the importance of proper training and calibration of these instruments to ensure accurate results.

The students gained valuable knowledge and insights that will help them in their future careers as civil engineers.



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

An expert lecture by Dr. YK Sharma was arranged in the seminar hall of LNCTS on 11th April 2023 on the topic "Civil Engineering from Theory to Practice". It was attended by students of civil engineering as well as by all faculty members.



Dr. Sharma further emphasized that engineer should update himself with relevant IS codes, and should connect with different civil engineering group and actively involve to broaden their professional career outlook.



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

DEMONSTRATION OF DGPS

On 27th January 2023, Mr. Faisal Shahi, Director of Shahi Faisal Academy, demonstrated the use of Differential Global Positioning System (DGPS) for surveying to the VI semester civil engineering students of Lakshmi Narain College of Technology (LNCT), Bhopal.



In conclusion, the demonstration of DGPS by Mr. Faisal Shahi was an informative and valuable experience for the VI semester civil engineering students of LNCT, Bhopal. The students were able to witness the practical application of DGPS in surveying and understand its benefits over traditional surveying methods.



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Interaction under the scheme of IIT, Roorkee, NIT and equivalent institutes by
Dr S. K Mittal, Retired Professor, MANIT, Bhopal

An interaction on 7th January 2023 was held at civil engg. Deptt wherein Professor Mittal, an expert in hydraulic structures briefed about the history of Roorkee and hydraulic structures built in and around Roorkee, which has helped in improving irrigation in the area. He also explained the salient features of these structures, which are considered milestones in the development of infra-structure for irrigation.



Interaction Program with Professor Mittal



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Design of Beam Column and Foundation Using Staad. Pro Software

Mr. Yuvraj Namdev, a leading structural engineer delivered an expert lecture on “Design of beam, column and foundation using STAAD. Pro Software on 19th January in the department. He also briefed about the role of design engineer, process of approval, role of software in this regard. The session was interactive and quite useful for the students as well as faculty.

LNCT
GROUP OF COLLEGES
WORKING TOWARDS BEING THE BEST

30
NBA NIRF COURSE

DEPARTMENT OF CIVIL, LNCT GROUP
Organizing

An Expert Lecture On

**Design of Beam Column and Foundation
Using Staad. Pro software**

19TH JAN | 2.00PM
Venue: S-21, LNCTS, New Building

SPEAKER
Yuvraj Namdev
Structural Design Engineer,
Indian Railway

Coordinators : Prof. Vijay Meshram, Prof. Harsh Khare
HOD: Dr. Rajeev Singh Parihar

LNCT INDORE JNCT RISHIRAJ LNCT UNIVERSITY CHOUKSEY LNCT JABALPUR LNCT BHOPAL LNCT INDORE CAMPUS LNCT BHOPAL CAMPUS

www.LNCT.ac.in, www.LNCTU.ac.in | Follow Us on [social media icons] | 7440777111/222/555



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Conference

About LNCT Group of Colleges:

LNCT Group of Colleges comprises of Lakshmi Narain College of Technology (LNCT) Bhopal, a premier institute of the North Central India region (founded in 1993), Lakshmi Narain College of Technology & Science (LNCT&S) (founded in 2006) by H. K. Kalchuri Education Trust, Bhopal along with Lakshmi Narain College of Technology Excellence (LNCTE) in 2007. All the PG and UG courses of the institutes are approved by the AICTE Government of India, recognized by Department of Technical Education, Govt. of M.P., Bhopal and are affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, State Technical University Bhopal. MBA is affiliated to Barkatullah University, Bhopal. LNCT is one of the first institutes of M. P. to be accredited by NBA for 5 years. LNCT Group is one of the self-financing groups in M. P. LNCT Group has earned reputation, to become a premier educational group of the region with state of art infrastructure, faculty and facilities. It has established itself as an academic leader by consistently showing excellent results in academics and placements.

LNCT University is a synonymous with excellence in higher education. A premier institution providing excellent teaching in Engineering, Management, Pharmacy, Medical, Ayurveda, Architecture, Agriculture science, Paramedical, Law and other recurring professional studies. It is among the one of the Top University of central India and has always stood in the forefront in meeting the ever-growing challenges, to meet the ever-growing demand of higher education in India and abroad. LNCT University offers various programs from Diploma, Bachelor, Master's and Doctorate-level programs.

About (Objectives and Scope of the Conference)

The conference could also feature keynote speakers, panel discussions, and workshops to facilitate learning and engagement among attendees. It would be an opportunity to showcase innovative sustainable design solutions and best practices from around the world. Additionally, the conference could promote collaboration and partnerships among architects, engineers, planners, and other stakeholders in the built environment to achieve the sustainable development goals.

Thrust Areas of the Conference

In today's scenario, sustainability has gained immense highlights and importance in Building designing and construction. This sustainable development conference organized by Civil Engineering and School of Architecture, LNCT is an excellent forum to discuss and explore ways that civil and architectural profession can contribute to sustainable development. The conference could cover a range of topics related to sustainability, including

- Sustainable design principles and practices
- Building materials and their environmental impact
- Energy-efficient building systems and technologies
- Renewable energy sources and their integration into buildings
- Sustainable urban planning and design
- Green infrastructure and landscape design
- Social sustainability and community engagement in architecture
- Sustainable construction practices and waste reduction
- Sustainable building certification systems and standards

Submission Procedure:

Authors are invited to submit their manuscripts strictly in MS-Word or PDF format in two columns with minimum 5 pages (IEEE format). All submitted papers will be handled electronically and would be reviewed by at least two prominent researchers in the relevant area. Please submit your paper on both of following email address: hodce@lnct.ac.in, soa@lnctu.ac.in.

Important Dates:

Submission of Abstract	12/6/2023
Submission of Full Length Paper	14/6/2023
Notification of Acceptance	22/6/2023
Registration	29/6/2023

Registration Fees For:

Industry delegates	Rs. 1000/-
Faculty / R&D institutions (per Author)	Rs. 500/-
Research Scholar/Students (per Author)	Rs. 300/-

The selected paper will be published in the inter-national journal (www.ijlnct.org) ISSN (Online): 2456-9895. However all the accepted papers will be published in conference proceeding.

Payment Mode:

The registration fee will be accepted in ICICI Bank, account number- 119006000508, IFSC Code: ICIC0001190. Mode of electronic transfer available in the bank by NEFT.

NEFT and other bank transfer will be verified on next working day. For verifying you have to submit transfer account proof and ID/ Aadhar card with date and transaction reference number (UTR number) to the organizing secretary of the conference.

Accommodation & Transport:

Very limited accommodations are available in the institute guest house on first come first served basis. However, accommodation can be arranged in hotels by paying the tariff charges in advance. Cabs, auto rickshaw are also available to reach campus.

REGISTRATION FORM

National Conference on SUSTAINABLE DEVELOPMENT

30th June- 1st July 2023

Name: (Dr./Prof./Mr./Ms.)

Designation:

Category:
(Academics/ /Industrialist/Student/Research Scholar)

Qualification:

Organization:

Mailing Address:

Mobile/Phone No.:

Email id:

Title of paper:

Co-author:

Accommodation required (Yes/No):

Registration Fee Details

DD No./UTR No.:

Issuing Bank:

Amount: Date:

QR Code for registration fee

Signature
Signature of forwarding authority
(With seal)

LNCT Group of Colleges, Bhopal
LNCT University, Bhopal

Vision:

To be a premier institute where engineering education and research converge to produce engineers as responsible citizens.

Mission:

- To improve continually in the teaching-learning process by strengthening infrastructural facilities & faculty credentials.
- To undertake interdisciplinary research & development by engaging the faculty & students in curricular, co-curricular & industry collaborated projects towards problem solving.
- To enhance proportion of skilled based courses beyond curriculum to create more employable graduates.
- To inculcate human values, ethics, patriotism & responsibility in our outgoing engineers by providing conducive environment

Lakshmi Narain College of Technology, Bhopal.

LNCT University

CONFERENCE MANAGEMENT COMMITTEE

Chief Patron:
Shri J. N. Chouksey, Chairman, LNCT Group & Chancellor, LNCT University, Bhopal

Patrons:
Smt. Poonam Chouksey, Vice-chairperson, LNCT Group & Chancellor, LNCTVU, Indore
Dr. Anupam Chouksey, Secretary, LNCT Group & Pro Chancellor LNCTU
Dr. N.K. Thapak, Vice Chancellor, LNCT, University
Prof. Pramod Gupta, Vice Chancellor, LNCTVU, Indore

Co-Chairs:
Dr. V. K. Sahu, Principal LNCT Bhopal
Dr. Shashi Saxena, Dean School of Architecture, LNCTU
Dr. V. M. Barbariya, Principal LNCT&S Bhopal
Dr. Anil K. Saxena, Principal LNCTE Bhopal
Dr. Parul Mehta, Principal LNCTP Bhopal
Dr. Sanjay Bajpayee, Director, MCA
Dr. Arvind Singh, Director, MBA
Dr. J. P. Mishra, Dean School of Agriculture Science, LNCTU

Advisory Committee:
Dr. O.P. Rai, Advisor
Dr. Ashok Kumar Rai, Director Administration
Dr. Amitodh Upadhyay, OSD, LNCT&S
Dr. Sanil Singh, OSD, LNCT Group
Dr. Meenu Singh, Vice Principal, LNCT
Dr. Amit Shrivastava, Dean Students Welfare

Conference Organizing Committee

Coordinators / Conference Chair:
Prof. (Dr.) Ankita Srivastava, School of Architecture, LNCT University
Prof. (Dr.) Shubha Agarwal, Department of Civil Engineering, LNCT, Raipur
Prof. (Dr.) A. K. Jha, Department of Civil Engineering, LNCT, Raipur

Members:
Prof. Rajesh Mishra, Civil Deptt. LNCT
Prof. G. Divya Anushree, SOALNCTU
Prof. Vijay Kr. Meshram, Civil Deptt. LNCT
Prof. Barun Kumar, Civil Deptt. LNCT
Prof. Sonal Choudhary, SOALNCTU
Prof. Raghuwar Singh, SOALNCTU
Prof. Sudhir Chandel, SOALNCTU

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Organized by
Department of Civil Engineering & School of Architecture
LNCT Group of Colleges, Bhopal
LNCT University, Bhopal

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Website: www.Lnct.ac.in | www.Lnctu.ac.in

17 SUSTAINABLE DEVELOPMENT GOALS



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

MOU

A Memorandum of Understanding (MoU) was signed between Lakshmi Narain College of Technology, Bhopal, and Shahi Construction and Shahi Survey Academy, Bhopal. The MoU aims to strengthen industry-academia collaboration through technical training, skill development, practical exposure, workshops, internships, consultancy, and knowledge exchange, enhancing students' professional competencies and employability.





LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Student Achievements

Department of Electronics and Communication, LNCT Group of colleges in association with IIC and IEEE student branch LNCT organized a competition on Poster Presentation of Innovations on 10 February 2023. The theme of the competition was Innovations. In which 1st position was secured by Aaneza Zaheen of B.Tech CE LNCT Bhopal and Arin Singh Rajput of B.Tech EC LNCT Bhopal secured second position and third position secured by Khushi Gupta of B. Tech EC LNCT Bhopal. The enthusiasm of students was commendable throughout the competition.



PROJECT APPRECIATION AWARD

On 8th May 2023 Project appreciation award ceremony was conducted in Vikram Sarabhai Seminar Hall, LNCT. The following students were awarded in the event:

LNCT - Civil Engineering

	Student name	Guidance	Title of project
Gold	Shiva Gupta Suyash Khadayate Swapnil William Yash Pawar	Prof. Rajesh Misra	Earthquake Proof Building
Sliver	Saurabh Sirotiya Ajay Baghel Animesh Jain Mohd. Sameer Khan	Prof. Rajesh Misra	Sewage Treatment Plant
Bronze	Garima Singh Gaurav Manas Raj Jigyasa Bhadoriya	Prof R.S.Parihar	Use of Waste Plastic in Roads



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

LNCTS - Civil Engineering

Student name

Guidance

Title of project

Kartikey Mishra

Mayur Choudhary Prof. Barun Kumar

Pragya Bagri

Pranavpal Kirar

Design of Modern
Express Highway

LNCTE - Civil Engineering

Aditya Kalyani

Ajay Dubey

Amrit Raj

Gunjan Maske

Prof. Deeksha Shrotriya Failure of Foundation
due to Earthquake

Sahil Hussain

Gaurav Singh

Mandrawal

Roshan Kumar

Vishnu Prasad

Prof. Rajesh Misra

Design of G+2
Residential Building



Academic excellence

Top ranking students of V semester.(LNCT)

Enrollment No	Name	SGPA	CGPA
0103CE191086	RITESH SHRIVAS	8.72	9.39
0103CE191092	SAHIL GAJRANI	8.72	9.26
0103CE191062	NEETIGYA PRAKASH SAXENA	8.72	9.21
0103CE203D08	RISHABH RAJ	8.72	9.12
0103CE191099	SHADAB KHAN	8.33	9.11
0103CE203D10	SANCHIT GOYAL	8.78	8.99
0103CE203D01	AKASH KUMAR	8.33	8.94
0103CE191065	NITIN SHUKLA	8.17	8.89
0103CE191067	PIYUSH KUMAR GAUTAM	8.94	8.88
0103CE191043	JIGYASA BHADOURIYA	8.56	8.87
0103CE191080	PRIYANSHU GUPTA	8.33	8.87

Top ranking students of VIII semester.(LNCT)

Enrollment No.	Name	SGPA	CGPA
0103CE201009	AKANKSHA SINGH BAGHEL	9.29	9.3
0103CE201099	SAMIKSHA UPADHYAY	8.63	9.06
0103CE201010	AKANSHA ORAON	7.83	9.04
0103CE201048	HARSHIT RAWAT	8.21	9.03
0103CE201002	AANEYA ZAHEEN	8.63	9.01
0103CE201059	KUNAL AKARTE	8.46	9
0103CE201120	VIVEK KUMAR MISHRA	8.04	8.97
0103CE201065	MD ZAID AHMED	8.75	8.96
0103CE201085	PRINCY BHARTI	8.5	8.96
0103CE201029	ASHU JHA	7.54	8.95



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Top ranking students of VIII semester.(LNCTS)

Enrollment No.	Name	SGPA	CGPA
0157CE203D01	ASHISH KUMAR SINGH	8.39	8.96
0157CE203D02	ASHISH MISHRA	8.17	8.7
0157CE191018	DIVYANSH UPADHYAY	7.67	8.7
0157CE191027	PAWAN RATNAWAT	7.61	8.67
0157CE191012	ASTHA THAKRE	7.61	8.54
0157CE191026	NISHA KUMARI	7.39	8.48
0157CE191017	DIVYA PAGARE	7.83	8.47
0157CE191052	VIVEK DANGI	7.78	8.47
0157CE191013	AYUSHMAAN GURU	8.17	8.35
0157CE191005	AMIT RAJ	7.56	8.2
0157CE191015	BHAVNA SHIWANI	7.67	8.18
0157CE191040	SHIVAM PRATAP SINGH	7.72	8.17

Top ranking students of III semester.(LNCTS)

Enrollment No.	Name	SGPA	CGPA
0157CE211006	ARVIND PRATYUSH	6.88	7.73
0157CE211010	MANISH KUMAR PANDEY	6.54	7.49
0157CE211003	ABHISHEK DHAWAN	6.63	7.37
0157CE211013	SHIV GUPTA	6.54	7.27
0157CE211001	ABDUL HIFZAN FARHAN KHAN	6.33	6.97
0157CE211008	AYUSH ARORA	5.75	6.52
0157CE211002	ABHISHEK ANDOLE	5.83	6.3
0157CE223D01	ABHAY KHARE	6.27	6.27
0157CE223D05	PRATEEK GUPTA	6.18	6.18



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

The following students have been awarded for GATE/CAT

1. Saurabh Sirotiya gate score 518, AIR 3446
2. Shiva Gupta CAT OVERALL PERCENTILE 91.28

COMMON ADMISSION TEST 2022 (CAT 2022)
INDIAN INSTITUTES OF MANAGEMENT

CAT 2022 SCORE CARD

Name of the Candidate : SHIVA GUPTA

Candidate's Contact Details :
GUPTA NOVELTY STORE, MAHARAJA PRATAP ROAD

Town/City : BEGUNGAJI
District : Raipur
State : Madhya Pradesh
Email : shivagupta756611@gmail.com

Test Day Photo: Uploaded Photo:

CAT Application Number : 22044158 PwD Status : No

Gender : Male Category : EWS

Date of Birth : 03/Sep/2001 Date of Test : 27th Nov 2022

Section		Section		Section		Total	
Verbal Ability & Reading Comprehension		Data Interpretation & Logical Reasoning		Quantitative Ability			
Scaled Score	Percentile	Scaled Score	Percentile	Scaled Score	Percentile	Overall Scaled Score	Overall Percentile
7.60	49.35	12.30	62.67	30.95	98.65	50.86	91.28

Instructions:

- Only those candidates who have taken the Common Admission Test (CAT 2022) are entitled to receive the score card. Keep a print-out of this score card for your information pertaining to CAT 2022. You will not receive the score card 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 the percentage of candidates who receive a scaled score less than or equal to the scaled score obtained by the candidate.
- IIMs and Non-IIM member institutions independently decide how to use CAT 2022 scores in line with their own selection process. The scores are to be used only for selecting the candidates to their respective Post Graduate/Doctoral (Fellow) Program(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. CAT scores of such candidates who are disqualified will become null and void. Such disqualified candidates will not be allowed to appear for CAT in future. If such instances go undetected during the current selection process but are detected in subsequent years, such disqualification and the associated penalties will take place with retrospective effect.
- All queries regarding post-CAT 2022 selection process must be directed to the respective IIMs. CAT Centre will not answer post-CAT queries.
- CAT 2022 score is valid only until 31st December 2023 and is subject to the candidate meeting the minimum eligibility marks in the qualifying examination. The score card will be available on www.iimcat.ac.in till 31st December 2023 to download.
- Webmail support cat2022@iimcat.ac.in & cathelpdesk@iimcat.ac.in will be available till 31st March 2023.

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Name of Candidate : SAURABH SIROTIYA

Parent's/Guardian's Name : PRAMOD SIROTIYA

Registration Number : CE23S75012371

Date of Birth : 15-Jul-2001

Examination Paper : Civil Engineering (CE)

GATE Score:	518	Marks out of 100*:	40.7
All India Rank in this paper:	3446	Qualifying Marks**	General: 26.6, EWS/OBC (NCL): 23.9, SC/ST/PwD: 17.7
Number of Candidates Appeared in this paper:	83187		

Valid up to 31st March 2026

Prof. Preetam Kumar M. Mohite
Organizing Chairman, GATE 2023
on behalf of NCB-GATE, for MoE

QR Code:

* Normalized marks for Civil Engineering (CE) paper

** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this score card.

CREATING A RECORD

Shri Gopal Kashyap a student of IV semester civil has been finalized as a "Appreciation" under India Book of Record for solving 2x2 rubik's cube in 18 seconds

Your Registration for Battle of Bands!

Organizer: Fluxus IIT Indore

Hi Gopal Kashyap,

Thank you for purchasing 1 ticket(s) for Battle of Bands.

Your Registration details are as follows:
Booking ID : 10323362
Booking Date : 03/06/2023 16:11 (IST)

NAME	TYPE	PRICE
Gopal Kashyap	Battle of Bands	INR 1500.00

QR Code:

Event Details :

- Organizer : Fluxus IIT Indore
- Venue : IIT Indore Sitapur Madhya Pradesh, Indore, India.
- Event Date : 10 Mar 2023 : 11:00 AM - 12 Mar 2023 : 7:00 PM (IST)
- Event Link : Battle of Bands

(*Note : Please bring the printout of this email to the event OR show this on your smart phone at event venue)

Need any help?
For Event Related Clarifications, please reach out to us at contactus@fluxus@iit.ac.in.
For any Payment related issues, You can contact us at help@townscript.com.



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Proud moment for the two students of LNCT.

Two students Ms Prachi Dubey and Ms Subhana Fatma (of 6th semester civil, LNCT) participated in an event ViSiON at LRC, Manit, Bhopal held on 4/3/2023 and won the First Prize among all the participants including Manit. Another proud moment for Lncians was that the number two prize was bagged by the Mechanical Dept of LNCT (Congrats Sir, pls do share the names). I would extend my gratitude to Prof Anil Kumar Saxena and Prof A K Jha for guiding the two students and a special thanks for Mr R S Rajput for helping the students in implementation part of making the model.



Mr. Amar Sharma a student of IV semester civil has delivered a talk on "Youth Entrepreneurship Conclave 2023" and has been facilitated as guest of honour with a trophy.



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

Faculty Achievement

Dr. Praveen Kumar Singhai has cleared following NPTEL examination.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



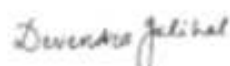
This certificate is awarded to
DR PRAVEEN KUMAR SINGHAI
for successfully completing the course

Introduction to Probability and Statistics

with a consolidated score of **49** %

Online Assignments	19.08/25	Proctored Exam	30/75
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Total number of candidates certified in this course: 172


Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Feb 2023
(4 week course)


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23MG10544280893

To validate the certificate



No. of credits recommended: 1 or 2



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR PRAVEEN KUMAR SINGHAI
for successfully completing the course

Innovation by Design

with a consolidated score of **68** %

Online Assignments	16.92/25	Proctored Exam	51.53/75
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Total number of candidates certified in this course: 313

Jan-Feb 2023
(4 week course)


Prof. Sridhar Iyer
Head CDEEP & NPTEL Coordinator
IIT Bombay



Indian Institute of Technology Bombay





LAKSHMI NARAIN COLLEGE OF TECHNOLOGY

Department of Civil Engineering

- Resource Person: Dr. Abhay Kumar Jha
- Topic: Recent Advances in Civil Engineering
- Date: October 14, 2022
- Venue: Oriental Institute of Science and Technology (OIST), Bhopal



- Resource Person: Dr. Rajeev Singh Parihar
- Topic: Recent Advances in Civil Engineering
- Date: October 15, 2022
- Venue: Oriental Institute of Science and Technology (OIST), Bhopal

S.N.	Name of the Faculty	Name of Course Passed	Course Offered by (agency)	Grade obtained if any
1	RAJESH MISRA	PLASTIC WASTE MANAGEMENT	IIT KHARAGPUR	53%
2	Rajeev Singh Parihar	Accreditation and Outcome based Learning	IIT Kharagpur	92
3	Rajeev Singh Parihar	Body Language: Key to Professional Success	IIT Roorkee	85
4	Rajeev Singh Parihar	Introduction to Psychology	IIT Kanpur	67
5	Dr P K Singhai	Innovation by Design	IIT BOMBAY	68
6	Dr P K Singhai	Introduction to Probability and Statistics	IIT Madras	49
7	Dr P K Singhai	Appreciating Hindustani Music	IIT Madras	52



The "Soul" of the Magazine

We are the hands that shape the land,
With careful mind and steady hand.
From dusty roads to bridges high,
We draw our dreams across the sky.

We measure strength in steel and stone,
In every structure we have grown.
Through sun and storm, through night and day,
We build the world in our own way.

Foundations deep, where none can see,
Hold up the strength of you and me.
For every tower that scrapes the blue,
Stands firm because of what we do.

Not just with tools, but thoughts precise,
We turn ideas into something nice.
With plans and graphs, with lines so true,
We make the impossible come through.

So here we stand, both proud and wise,
With dreams as vast as open skies.
We are engineers, strong and free—
The builders of tomorrow's reality.

By:- Shiv gupta

"Foundations"

Before the skyline meets the sun,
Before the race of roads is run,
There lies a thought, both deep and true—
A plan the civil mind once drew.

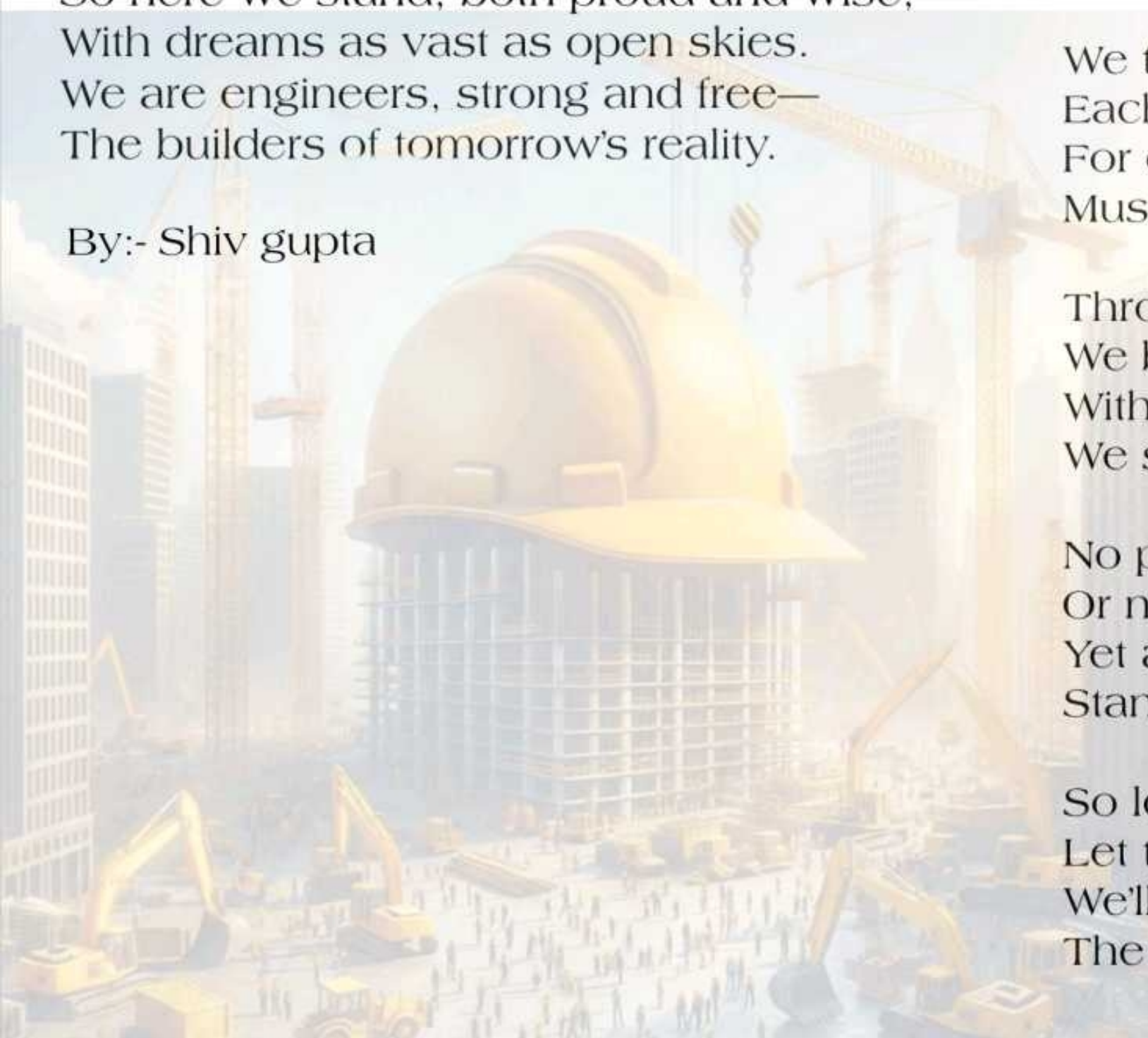
Not all our work is seen above,
Some rests where silent layers move,
In soil and rock, in depths concealed,
Our strongest promises are sealed.

We test, we measure, we refine,
Each load aligned by grand design,
For every column, beam, and wall
Must rise, yet never risk a fall.

Through monsoon rains and scorching heat,
We build where earth and effort meet,
With unflinching steady, vision clear,
We shape a world that stands sincere.

No poet sings of every base,
Or notes the strength in hidden space,
Yet all the wonders people see
Stand firm on quiet geometry.

So let the credit skies may claim,
Let towers rise in others' name,
We'll still be there, beneath, behind—
The steady force, the structuring mind.





Articles

Civil engineering is one of the oldest and most important branches of engineering, playing a vital role in shaping the modern world. From the roads we travel on to the buildings we live in, civil engineering forms the backbone of infrastructure development.

In today's rapidly growing world, the demand for sustainable and efficient infrastructure has increased significantly. Civil engineers are responsible for designing, constructing, and maintaining structures that are not only strong and durable but also environmentally friendly. Concepts like green buildings, smart cities, and sustainable construction are becoming essential parts of modern engineering.

One of the key responsibilities of civil engineers is to ensure safety. Structures must be designed to withstand natural disasters such as earthquakes, floods, and strong winds. This requires proper planning, advanced technology, and a deep understanding of materials and structural behavior.

Moreover, civil engineering contributes greatly to economic growth. Well-developed infrastructure improves transportation, communication, and public services, which in turn enhances the quality of life for people. Projects like highways, dams, bridges, and metro systems are examples of how civil engineering supports national development.

In conclusion, civil engineering is not just about construction; it is about creating a better and safer future. As technology continues to evolve, civil engineers will play an even more important role in building sustainable and innovative solutions for generations to come.

By:- Prateek gupta

Building the Future: The Role of Civil Engineering in Modern Society

Civil engineering is often described as the backbone of development, quietly shaping the world around us. From the roads we travel on to the buildings we live and work in, the contributions of civil engineers are everywhere—yet often unnoticed. This discipline is not just about construction; it is about creating safe, sustainable, and efficient infrastructure that supports human life.

At its core, civil engineering combines science, creativity, and practicality. Engineers must understand the behavior of materials, the strength of structures, and the dynamics of the environment. Whether designing a bridge that spans a mighty river or planning a drainage system for a growing city, every project demands precision, innovation, and responsibility.



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In today's rapidly evolving world, civil engineering faces new challenges. Urbanization is increasing at an unprecedented rate, leading to a higher demand for housing, transportation, and public utilities. At the same time, environmental concerns are pushing engineers to adopt sustainable practices. Green buildings, renewable materials, and eco-friendly construction methods are no longer optional—they are essential.

Technology is also transforming the field. Advanced software, 3D modeling, and modern construction techniques have made it possible to design more complex and efficient structures. Innovations such as smart cities and resilient infrastructure are redefining how we think about development. Civil engineers are now expected to not only build but also anticipate future needs and challenges.

However, beyond technical knowledge, civil engineering requires a strong sense of ethics and responsibility. The safety of thousands—even millions—of people often depends on the decisions engineers make. A well-designed structure can last for decades, while a poorly executed one can lead to disaster. This makes integrity and attention to detail crucial qualities in every civil engineer.

For students and aspiring engineers, the journey is both demanding and rewarding. It involves mastering complex concepts, working on real-world projects, and continuously learning. But the satisfaction of seeing a project come to life—of knowing that your work contributes to society—is unmatched.

By:- Sahil gajrani



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Field Visit

Department of civil Engineering LNCT group Of Colleges organized field Visit at Sanchi. Sanchi Stupa is one of the oldest Buddhist monuments in India. Also famous as the Great Stupa or Stupa Number 1, this stone structure is also a UNESCO World Heritage Site. The visit was arranged on 27th September 2022. The government of India has done a great job in preserving this ancient piece of history. The students were exposed to ancient construction of structures using stone as primary construction material. The visit was arranged for third year students accompanied by faculty of the department.





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MODEL COMPETITION

On 14th April 2023, the students of Civil Engineering at LNCT Group of Colleges organized a model competition as part of the Shrishtie 2023 event. The competition aimed to showcase the innovative and creative abilities of the students in the field of civil engineering.





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Alumni Interaction

On February 22, 2023, an Alumni interaction program was held at LNCT College, where Mr. Kamlesh Gupta, an analyst payments in VR Techniche Consultants Pvt Ltd and a 2015 pass out batch in civil engineering, shared his experiences and insights on his professional journey.





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