

## LALIT KUMAR

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## CAREER OBJECTIVE

Seeking a challenging environment where I can augment my technical knowledge and effectively contribute towards the goals of the concerned organization for the benefit of the society.

## EDUCATION

Examination	Board/University	Year	CGPA
M.Tech (Transportation Engineering)	IIT DELHI	2012-2014	6.581
B.Tech(Civil Engineering)	NIT Kurukshetra	2007-2011	7.27
12 <sup>th</sup>	C.B.S.E	2007	78.2
10 <sup>th</sup>	C.B.S.E	2005	83.6

## TECHNICAL EXPERIENCE/PROJECTS

- **M.Tech Thesis:** “Impact of construction worker safety on construction cost of metro project. It includes the proportion of project cost spent on construction workers safety and proportion of safety cost on different safety measures. The various factors affecting workers safety were also considered.
  - **Minor Projects:** a) Case study of Environment impact assessment of mobile phone.  
b) Impact of construction and maintenance of highway on eco sensitive zone.
- **Global Road Safety Program:** Worked as research assistant on ad-hoc basis for 6 months under the guidance of Mr. Girish Aggrawal on GRSP, project of International Red Cross Society. This program aims at political mapping of developing and poor countries.
- **B.Tech Project:** Watershed modeling system.
- **Industria Training at SYAL & Associates:** Structural analysis, design & detailing of
  1. Proposed Lawyer’s Chamber Building at Rohtal
  2. Wrestling Hall at Nawan Sehar

## RESEARCH PUBLICATIONS

- Kumar L. and Shyam N. Asphalt concrete modeling using discrete element method, International Journal of Engineering Research and General Science. Volume 5, Issue 3, May 2017.
- Kumar L, Shyam N, Batra A and Saxena H. Life cycle Assessment of Mobile Phones. International Journal of Current Research, Volume 9 Issue 6, June, 2017
- Batra A, Ghangas S, Kumar L and Saxena H. A review Study Application of Ferro-Cement International Research Journal of Engineering Technology. Volume 4, Issue 6, June 2017.
- Kumar L and Romana H. Ecological Impact of Highway Construction, Transportation Research Part D: Transport and Environment, Elsevier- Ongoing.
- Ajay, Kumar L, Romana H and Malik R.K, Energy Consumption Attributes in Residential Buildings- A Case Study of Replacing Conventional Electrical Appliances with Energy Efficient Appliances, International Journal of Renewable Energy and Research.

## KEY SKILLS

**Software:** Auto Cad, Staad Pro, MX Road, GIS, SPSS.

## ACHIEVEMENTS

- Cleared IES written 2012,2013, 2014 & 2017.
- Gate qualified with rank 403
- 3<sup>rd</sup> prize in Command level quiz competition
- Runner-up in Table Tennis Tournament, AMITY University Gurgaon.
- Runner-up in Lawn Tennis Tournament, AMITY University, Gurgaon.

## WORK EXPERIENCE

Currently working as Assistant Professor in AMITY University, Manesar.

S.no	Organisation	Designation	Time Period
1	AMITY University, Gurgaon	AP-1	16-02-2015-Till Date
2	Graphic Era Hill University, Bhimtal	Assistant Professor	08/12/2014-08/02/2015
3	SGTIET, Gurgaon	Assistant Professor	08/08/2014- 24/11/2014

### Job Responsibility:

#### **Amity University Gurgaon**

- Teaching assignment B.Tech and M.Tech Civil Engineering
- Mentor of M.Tech Civil Engineering Students.
- In-charge of Surveying Lab
- Member of discipline committee
- Member of alumni cell
- Moderation of examination question paper committee member
- Organization committee member of guest lecture on Advances in Construction Technology.

#### **Graphic Era Hill University**

- Member of hostel committee.
- Member of Anti-ragging committee.

### **Subjects Taught:**

- Transportation Engineering-I & II
- Design of Rigid and Flexible Pavement
- Highway Construction and Maintenance
- Traffic Engineering Modeling
- Geometric Design of Highway
- Ground Improvement Techniques
- Geotechnical Engineering
- Geotechnical Engineering Lab
- Pre-stressed Concrete Design
- Surveying Engineering
- Highway Construction and Maintenance Lab
- Surveying Lab
- Environment Pollution and Control Engineering
- Material Testing Lab

- Design of Concrete Structures-I
- Structural Engineering Lab

### **Student Guidance:**

#### **B.Tech Project Guided:**

- Intelligent Transportation System
- Effect of Fly Ash on properties of concrete
- Comparative Analysis of different Routes on Metro system
- Pedestrian vehicular interaction National Highway 8
- To measure the effect of queue's Of vehicle user at toll plaza
- Effect of cement and lime on the Maximum dry density and OMC.

#### **M.Tech Project Guided:**

- Risk analysis and Risk handling In construction industry in Chennai, India
- Energy consumption pattern Of different income household In Kullu, Himachal Pradesh
- To examine the adoption of BIM in India
- Comparison of strength of Concrete using destructive and Non destructive tests
- Identification and minimization Of delays in construction project

#### **Industrial Visits/Seminars/ Workshops Organized:**

- Industrial visit at Amrapali construction, Greater Noida, 2015
- Seminar on Advancement in construction industry, August, 2016
- Application of software in construction industry, APTRON, 2017
- One day National Conference on Sustainable Solid Waste Management

#### **Additional Initiatives:**

- Initiating the set up of highway laboratory
- Formulating the syllabus of M.Tech Transportation Engineering

I certified that above mention information is correct to the best of my knowledge and nothing has been concealed.

### **REFERENCE**

1. Mr. Bikram Singh  
Assisant Director, Contracts  
MES, Delhi

Ph: 8586980801  
2. Amit Sharma  
PhD scholar, I.I.T Delhi

Ph: 999916422