



EDUCATION

Program	Institution	%/CGPA	Year of completion
MS	Indian Institute of Technology Madras, Chennai	8.6	2019-present
B. Tech	National Institute of Technology Bhopal (MANIT)	7.35	2017
XII	Govt. Subhash H S Excellence School, Bhopal MP	90.5	2013
X	Govt. High School Kararaganj, Chhatarpur MP	93.67	2011

COURSE WORK

- Urban Transport Planning
- Highway Geometric Design
- Pavement Construction Technology
- Transportation Studio
- Analytical techniques in transportation
- Strategies for Professional growth

SKILLS

Professional Skills

- Road Safety Audits
- Safety project management
- Review of highway designs and drawings
- Pavement design and analysis
- Machine learning and deep learning
- Data analysis and visualization

Software and Language Skills

- AutoCAD, VISSIM, TRANSYT, IITPAVE
- Python, MS office.

MS RESEARCH PROJECT

- Development of System approach for Road Crash Investigation** (Jan 2019 – present)
 - Investigated FIR data using **Natural Language Processing (NLP)**
 - Identified the actor affecting the road crash
 - Established the relationship with actors using **Accimaps** approach.

PROFESSIONAL EXPERIENCE

- Assistant Manager (Tech)** at Synergy Engineering Group Pvt. Ltd (Lion Group) Bhopal (May 2017-Dec 2018)
 - Managed the **Road Safety Audit (RSA)** of 4 road safety consultancy projects
 - Assisted in **24 Independent Engineer/Authority Engineer projects** with the Lion Engineering Consultants Bhopal Team
 - Managed all the road safety related issues of site offices and head office
- Project Attendant (Tech.)** Civil Engineering Department, **IIT – Roorkee** (May -July 2016)
Project: Development of Indian Highway Capacity Manual (Indo-HCM) sponsored by CSIR New Delhi
 - Pedestrian data extraction from videos and data analysis using MS Excel
 - Develop Level of Service for Pedestrian facility

CO-CURRICULAR ACTIVITIES

- Attended the **15th World Conference on Transport Research** | Mumbai, India (26-31 May 2019)

EXTRA-CURRICULAR ACTIVITIES

- Completed BIGRS IndiaRAP Webinar: World Bank and iRAP helping save lives on Indian roads, 16 hours online course and assignments (2, 4, 9 and 11 June 2020)
 - Understand the Risk Assessment methodology of iRAP
 - Completed the project to ensure minimum **3-star rating** to all user using ViDA software.
- Assisted in the 1st Workshop on Smart Mobility | Research Park, IIT Madras (15-17 Dec2019)
- Attended the GIAN course on Road Safety Engineering at IIT Guwahati (23-29 June2019)
 - Learned how to design the road safety project
 - Learned how to conduct road safety audits and points of concerned after road safety audit
- Attended & managed **15 days Course on Road Safety Engineering** | MANIT Bhopal, India (02-16 July 2018)
 - The course was jointly organized by MANIT and Lion Engineering Consultant Bhopal
 - I was Head of Team from Lion Engineering Consultants Bhopal
 - Explored the dimensions of risk assessment technique, **black spot studies** & accident analysis
- Training on “Research Methodology and Application of SPSS in Multidisciplinary Research” | MANIT Bhopal, India (04-08 Jan 2015)
 - Learned hypothesis testing & Simple Regression modelling
- **Leadership Development Camp** | Bhopal, India (23-28 Jan, 2012)
- Save Water campaigns at village level

CONFERENCE PRESENTATIONS

- P.K. Agarwal, R.Mehar, **K.K. Ahirwar**. “A rational methodology to improve safety on road network in developing countries”, **3rd conference** of transportation research group of India (**CTRG**) 17-20 December, 2015 Kolkata India.
- Ashoka Kumar Sharma, **Kamlesh Kumar Ahirwar**, “Safety management of road tunnel during construction: A case study of Chirwa Ghat and Kuthiran twin tunnel in India” **5th conference** of transportation research group of India (**CTRG**), 18-21 December 2019 Bhopal India.

SCHOLASTIC ACHIEVEMENTS

- 3rd Prize on prototype modelling for pedestrian safety in “Cognizance 2016” at IIT Roorkee
- Meritorious Student Award of **₹25000/-** by department of school education Madhya Pradesh (26th August 2013)
- Recipient of **National Merit Award of ₹ 40000/-** by Dr. Ambedkar Foundation, Ministry of Social Justice & Empowerment, Government of India, New Delhi (6th December 2012)
- Recipient of Dr. Bhimrao Ambedkar Meritorious Student Award of **₹10000/-** (23th January 2012)

HOBIES

- Travelling
- Reading
- Horticulture