

BIODATA

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FIELDS OF SPECIALIZATION

- (i) Transportation Engineering
- (ii) Intelligent Transport System
- (iii) Web based Advanced Public Transport System
- (iv) Web based Advanced Traveler Information System
- (v) Web GIS application in Transportation
- (vi) G.I.S. applications in Transportation
- (vii) Ant System Optimization
- (viii) Advanced Surveying

SOFTWARE SKILL

- 1) Arc GIS 9.3
- 2) ERDAS IMAGIN 8.5
- 3) UMN MapServer
- 4) Microsoft Visual Studio.NET
- 5) Auto CAD 2007
- 6) Microsoft SQL Server
- 7) EPANET
- 8) GoogleSketchUp
- 9) Microsoft Visio
- 10) STAAD Pro

PROGRAMMING LANGUAGE SKILL

- 1) C#.NET
- 2) ASP.NET

INSTRUMENT SKILL

- 1) Total Station (Topcon GTS 372)
- 2) Digital Level (Topcon)
- 3) Optical Micrometer Theodolite
- 4) Varnier Theodolite
- 5) Dumpy Level

Any other Information

- 1) Working as Secretary Board of Faculty of College of Technology.
- 2) Working as Assistant Public Information Officer (APIO), College of Technology, Pantnagar
- 3) Member of Academic Council of G. B. Pant University of Agriculture & Technology, Pantnagar.
- 4) Worked as Joint Secretary Board of Faculty of College of Technology.
- 5) Working as Incharge, Highway Engineering Laboratory, Department of Civil Engineering, Pantnagar.
- 6) Working as member of Editorial Board of International Journal “Modern Traffic and Transportation Engineering Research (MTTER), American V-King Scientific Publishing, LTD. Website: <http://mtter.vkingpub.com/>
- 7) Rendering consultancy services to various Government/ private agencies in highway material testing & quality assessment of highway materials.
- 8) Rendering consultancy services to various Government/ private agencies in water and waste water quality testing.
- 9) Rendering consultancy services to various Government/ private agencies in the field of Surveying and Leveling.
- 10) Working as Staff Counsellor for NIRMAN (A Civil Engineering Society for Pantnagar Chapter)
- 11) Worked as members of expert’s panel for Uttarakhand Public Service Commission (UPSC), Haridwar.
- 12) Worked as Assistant Superintendent of Examination for I Semester Final Examination, 2013-14 for College of Technology.
- 13) Worked as Incharge, Structural Engineering Laboratory, Department of Civil Engineering, Pantnagar.
- 14) Worked as Co-Timetable Incharge of College of Technology, Pantnagar
- 15) Worked as Nodal Officer TDP component of TEQIP.
- 16) Established new facility “Language cum Communication Skill Development Laboratory” in college under TEQIP.
- 17) Worked actively in procurement and proposal making of the TEQIP Projects Phase I and II.
- 18) Working as Co-staff counsellor of Engineering Society, College of Technology

CONSULTANCY PROJECTS:

Type	Type of Projects	Client	Period
Highway Material Testing	Material Testing for quality assessment of highway construction material (Soil, Aggregates and Bitumen) for road construction in Uttarakhand and U.P.	Various Government, Semi-government and private organizations/ department of Uttarakhand and U.P.	From 2005 till continue, More than 12 year of experience
Job Mix Design	Design of Job Mix for various layers of Bituminous pavements		
Design of Pavement	Design of Pavement Crust for Bituminous and Rigid pavement		
Quality Control test	Core Cutting test on Bituminous pavement layers for quality testing		
Soli Investigations	C.B.R. value testing in lab and at site for assessment of penetration strength of soil subgrade		
Surveying	Surveying, Contouring and Leveling work using Total Station and Digital Levels		

SOME IMPORTANT CONSULTANCY PROJECTS UNDERTAKEN

1. Design of flexible pavement crust thickness for Amratpur - Jamrani Motor Road, under Provincial Division, PWD, Nainital.
2. Design for flexible pavement crust thickness of road from DD Chowk to KichhaByepass at Rudrapur city (U. S. Nagar).
3. Design of flexible pavement crust thickness of Gadarpur – Dineshpur - Matkota State Highway No. 05, under Provincial Division, PWD, Rudrapur.
4. Design of flexible pavement crust thickness of village road from Viajy Nagar to Taila Motor Road, Provincial Division, PWD, Rudraprayag (Uttarakhand).
5. Design of the flexible pavement crust thickness for the road from Babar Khera to Hariyawala Road under Jaspur division, RWD, Rudrapur (U. S. Nagar), Uttarakhand.
6. Design of flexible pavement crust thickness of NanakmattaTukriRansali Road under Sitarganj division, RWD, Rudrapur (U. S. Nagar), Uttarakhand.
7. Design of cement concrete road from Gurudwara of Baba Kale Khan in Village DhakiyaKalan to TediPuliya, Mahadev Nagar under VikasKhandKashipur (U. S. Nagar) Uttarakhand
8. Design of cement concrete road for village Pipaliya under Gadarpur block of district U. S. Nagar of Provincial Division, PWD, Rudrapur
9. Measurement of Natural Ground Level (NGL) at sections of every 10m Chainage and at five locations on each section of proposed roads of Phase-II, SIDCUL, IIE Sitarganj (U. S. Nagar) Uttarakhand.
10. Preparation of Contour plan for site of M/s Wimco Seedling Ltd., R & D Centre, Bagwala, Kashipur Road, Rudrapur (U. S. Nagar), Uttarakhand
11. Preparation of contour map for the plot of M/S NRB Bearings Pvt. Ltd., Plot No. 33, Sector 11, SIDCUL Pantnagar, U. S. Nagar, Uttarakhand.

12. Preparation of contour map for the plot of M/S Northern Aromatic Ltd, Plot No-16, Sector 4, SIDCUL, Pantnagar, U. S. Nagar, Uttarakhand.

SCHOLARSHIP

1. Institute Scholarship through GATE for M.Tech. at IIT, Kharagpur (W.B.) (2001-03).
2. Q.I.P. Fellowship for Ph.D. at IIT, Roorkee (2008-11).

MEMBERSHIP OF PROFESSIONAL BODIES/SOCIETIES ETC:

1. Life Membership of Indian Road Congress (IRC)
2. Life Member of Institutions of Engineers (India)

MEMBERSHIP OF BOARD/COMMITTEE

1. Member of State Technical Agency (STA) for the Pradhan Mantri Gram Sadak Yojana (PMGSY) project for the state of Uttarakhand.
2. Member of National Advisory Committee of National Conference on "Road and Transport" (NCORT-2017) organized by Transportation Engineering Group, Civil Engineering Department, Indian Institute of Technology, Roorkee from October 14-15, 2017.
3. Member of Academic Council, G. B. Pant University of Agriculture & Technology, Pantnagar
4. Member of Planning and Development (P&D) Cell of College of Technology.
5. Member of Enquiry Committee constituted by the Honorable Vice Chancellor for the technical investigation of renovation/repair work of 2 Km road behind Bandiya Colony, Kichha.
6. Member of team for organizing finishing school programme to be organized for academically weak UG and PG students who have failed to secure employment, as per the provisions made under Equity Action Plan of TEQIP II.
7. Member of the committee constituted for selection of Techning Personnel in the Department of Electronics & Communication Engineering.
8. Member of enquiry committee for the technical investigation of construction work of Cement Concrete road of Krishi Utpadan Mandi Samiti, Bazpur and repair work of road near village Bhamrula.

COUNTRY VISITED

1. United State of America (USA)

RESEARCH PAPER PUBLISHED

1. **Suman Sanjeev** and Kumar Praveen, “Web GIS based Advanced Public Transport System using MapServer and Ant Algorithm”, Indian Highways, IRC, September 2012, pp 41-55.
2. **Suman Sanjeev** and Kumar Praveen, Application of ANT Administrative System in WEB GIS Based Advanced Public Transport System (APTS), **Discussion paper**, Journal of the Indian Roads Congress (IRC), Vol 73-3, October-December 2012, pp353-372.
3. **Suman Sanjeev** and Kumar Praveen, “Ant Colony Optimization Algorithms for Vehicle Routing, Route Planning and Scheduling” Highway Research Journal, IRC, January – June 2014, pp 55-65.
4. Kumar Praveen, **Suman Sanjeev** and Mishra Shambhavi “Online Ticketing System Development for Web GIS based APTS” Indian Highway Journal, IRC, January 2015, pp 15-18.
5. Singh, B., Gupta, A. and **Suman, S.** “Framework for Development of Advanced Traveler Information System: A Case Study for Chandigarh City”, Urban Transport Journal, Vol. 14, No.1, October 2015, pp 75-83.