



K.V.G. COLLEGE OF ENGINEERING

Kurunjibhag, Sullia, D.K.-574 327, Karnataka, INDIA

E-mail: office@kvgengg.com website: www.kvgengg.com

Department of Electronics and Communication Engineering

FACULTY PROFILE

Name of the Faculty	Dr LEKHA B M	
Designation	Professor	
Contact Numbers	Mobile: +91 - 9480161966	
E-mail ID	lekhabm@gmail.com	

• Educational Qualification

Degree	Specialization	Year of Passing	College & University
B.E	Civil Engineering	2008	KVG college of Engineering, Sullia Mangalore University
M. Tech	Transportation Engineering	2011	National Institute of Technology Karnataka, Surathkal
Ph.D.	Transportation Engineering	2016	National Institute of Technology Karnataka, Surathkal

• Work Experience

Teaching	Research	Industry
6+Experience	4+Experience	-----

• Date of Joining to this College

10th Febrauary 2016

• In-House Experience					
Designation	Duration		Department		
	From	To			
Assistant Professor	10-2-2016	Till the Date	Civil		
• Outside Experience					
Designation	Place	Duration			
		From	To		
Lecturer	National Institute of Technology Karnataka, Surathkal	July 2011	Jan 2012		
• Area of Interest					
Soil Stabilization	Pavement Materials	Pavement design and Construction	Bituminous materials	Geotechnical Engineering	Highway and Traffic Engineering
• Subject Taught					
<ul style="list-style-type: none"> - Geotechnical Engineering I - Applied Geo Technical Engineering - Traffic Engineering - Pavement Design - Highway Engineering 			<ul style="list-style-type: none"> - Energy Building - Pavement Design and Construction - Sustainability and Building materials - Design of Sub structures 		
• Membership in Professional Bodies/University Bodies/Organizations					
<ul style="list-style-type: none"> - Member of Indian Road Congress eLM 101633 					

• Publications	
National / International Journals	National / International Conferences
19	20

• Publications :National / International Journals

1. **Lekha B M**, Ravi Shankar,A.U. andGoutham S.(2013) “ Fatigue and Engineering Properties of Chemically Stabilized Soil for Pavements” . *Indian Geotechnical Journal*.Vol.43 (1), pp. 96-104.
2. **Lekha B M**, and Ravi Shankar,A.U. (2014). “ Laboratory performance of RBI 81 stabilized soil for pavements” . *International journal of civil engineering research*. Vol 5(2), pp. 105-110.
3. **Lekha B M**,Goutham Sand Ravi Shankar, A.U. (2014). “ Laboratory Investigation on Black Cotton Soil Stabilized with Non Traditional Stabilizer” .*IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, pp. 07-13.
4. Goutham S, **Lekha B M**, and A U Ravi Shankar (2014). “ Aggregate and Bitumen Modified with Chemicals for Stone Matrix Asphalt Mixtures” . *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, pp.14-20.
5. **Lekha B M**,Goutham Sand Ravi Shankar, A.U. (2015). “ Evaluation of lateritic soil stabilized with Arecanut coir for low volume pavements” *Transportation Geotechnics*, Vol.2,pp. 20– 29.
6. **Lekha B M**,Goutham Sand Ravi Shankar, A.U. (2015). “ Effect of electrolyte lignin and fly ash in stabilizing black cotton soil” . *Transportation Infrastructure Geotechnology*. Vol.2, pp. 87-101.
7. Goutham S, **Lekha B M**, J S Geethu, A U Ravi Shankar. (2015). “ Laboratory performance of stone matrix asphalt mixtures with two aggregate gradations.” *Journal of Modern Transportation*, Springer, 23 (2), pp. 130– 136.
8. Goutham S, **Lekha B M**, Krishna G and Ravi Shankar A U. “ Comparison of Stone Matrix Asphalt mixtures with Polymer Modified Bitumen and plastic coated aggregates.” *Road Materials and Pavement Design*, Taylor and Francis, (Accepted for Publication).
9. Goutham S, **Lekha B M**,Venkatesh P and Ravi Shankar A U. “ Experimental investigation of Stone Matrix Asphalt mixtures with coir and sisal fibers.” *Construction and Building Materials (Under Review)*, Elseveir.
10. Ravi Shankar A U, Priyanka B A, Goutham S and **Lekha B M**. “ Laboratory investigation of blended lateritic soil for gravel roads.” *International Journal of Pavement Engineering (Under Review)*, Taylor and Francis.

Publications : National / International Conferences

1. Sowmya N.J,Ravi Shankar A. U, and **Lekha B.M.**“ Accident data analysis of Intermediate Lane Roads in Dakshina Kannada district” . International Engineering Symposium (IES-2013) at Kumamoto University, Japan, March 4-6,2013.
2. **Lekha B. M.** and Ravi Shankar,A.U. “ Laboratory performance of RBI 81 stabilized soil for pavements” . 2nd International conference on Sustainable Innovative Techniques in civil and environmental engineering (SITCEE-2014) at Jawaharlal Nehru University, New Delhi, Jan 4-5, 2014.
3. **Lekha B. M.**,Goutham S, and A U Ravi Shankar. “ Aggregate and Bitumen Modified with Chemicals for Stone Matrix Asphalt Mixtures” , International Conference on Innovations in Civil Engineering, SCMS School of Engineering and Technology, Ernakulam, Kerala, May 8-9, 2014.
4. **Lekha B. M.**, Goutham S, Chaitali N, and Ravi Shankar A. U. “ Laboratory investigation on black cotton soil stabilized with non traditional stabilizer” , International Conference on Innovations in Civil Engineering, SCMS School of Engineering and Technology, Ernakulam, Kerala, May 8-9,2014.
5. Goutham S, **Lekha B. M.**,and Ravi Shankar, A.U. “ Stone Matrix Asphalt using aggregates modified with waste plastics” , GeoShanghai – 2014, International Conference on Geotechnical Engineering, ASCE, May 26-26, 2014, Shanghai, China.
6. Goutham S, **Lekha B. M.**,Monisha, M, and Ravi Shankar, A.U. “ SMA mixtures with modified asphalt and treated aggregates” Second T&DI Congress, ASCE, June 8-11, 2014 in Orlando, FL.
7. **Lekha B.M.**,Goutham S. and Ravi Shankar A.U. (2016). “ Laboratory performance of lateritic soil and soil-aggregate mixture with RBI grade 81.” 8th International Conference on Maintenance and Rehabilitation of Pavements (MAIREPAV8), Singapore.
8. Goutham S, **Lekha B M.**, Ramesh Tejavath and Ravi Shankar A U. “ Laboratory performance comparison of Stone Matrix Asphalt mixtures with Polymer Modified Bitumen and cellulose fiber stabilizer.” International Conference on Transportation and Development 2016, Conducted by ASCE, Texas, USA
9. Goutham S, **Lekha B M.**, Priyanka B A and Ravi Shankar A U. “ Stone Matrix Asphalt mixtures with sisal fiber and Crumb Rubber Modified Binder.” International Conference on Sustainable Asphalt Pavement for Developing Countries (ICONSAP) 2016, Conducted by Centre for Road Research Institute (CRRI), New Delhi, India.
10. Priyanka B A, **Lekha B M.**,Goutham S and Ravi Shankar A U. “ Development of Perpetual Pavements with Cement Treated Base and Rich Bottom Layer using KENPAVE analysis.” International Conference on Sustainable Asphalt Pavement for Developing Countries (ICONSAP) 2016, Conducted by CRRI, New Delhi, India.
11. A U R Shankar,Mithanthaya I R, **Lekha B M.** “ Laboratory Studies on Bio-enzyme Stabilized Lateritic Soil as A Highway Material” Workshop on Non-Conventional Materials/ Technologies.Central Road

Research Institute, New Delhi 18th February, 2012.

12. Chaitali B N., **Lekha B M.** and Shankar A U R “ Study on Performance of Chemically Stabilized Black Cotton Soil” National Conference on Recent Advances in Civil Engineering – RACE2013, KLECET, Belgaum.
13. **Lekha B M.**, Goutham S and Ravi Shankar A U. “ Stabilization of Lithomargic Clay Using RBI 81 For Pavement Construction” , 2nd National Conference on “ Recent Advances in Civil Engineering (RACE – 2013), Saintgits College of Engineering, Kottayam, Kerala, 6th and 7th September 2013.
14. **Lekha B M.**, Goutham S and Ravi Shankar A.U. “ Laboratory investigation of soil stabilized with nano chemical” , IGC – 2013, December 22-24, 2013, Roorkee.
15. **Lekha B M.**, Goutham S and Ravi Shankar A U. “ Laboratory Performance Of Black Cotton Soil Stabilized With Terrasil As A Pavement Material” Colloquium on Transportation Systems Engineering and Management CTR, CED, NIT Calicut, India, May 12-13, 2014.
16. **Lekha B M.**, Goutham S, Chaitali N. and Shankar A U R. (2014). “ Laboratory investigation on black cotton soil stabilized with non-traditional stabilizer.” International Conference on Innovations in Civil Engineering, SCMS School of Engineering and Technology, Eranakulam, Kerala.
17. Goutham S, **Lekha B M.** and Ravi Shankar A U. “ Comparison of Bituminous Mixtures Prepared in Marshall Compaction and Gyrotory Compactor” Colloquium on Transportation Systems Engineering and Management CTR, CED, NIT Calicut, India, May 12-13, 2014.
18. Priyanka B.A. **Lekha B M.**, Goutham S. and Shankar A.U.R. (2015). “ KENPAVE Analysis for Low Volume Roads with Reduced Resilient Modulus Values.” 2nd Conference on Transportation Systems Engineering and Management. NIT Tiruchirappalli, Tamil Nadu.
19. **Lekha B M.**, Goutham S. and Shankar, A.U.R. (2015). “ Effect of RBI 81 on laterite soil as a pavement material.” 53rd Indian Geotechnical Conference – Conducted by Indian Geotechnical Society, Pune.

• Details of Professional Activities

Professional activity	University	Ongoing	Completed
Doctoral Committee Member	Visveswaraya Technological University, Belagavi	03	-----

• Faculty Development Programmes (FDP) Participated

SL. No.	Program Title	Venue	Year
1.	Advanced Surveying using Total station	NMAMIT, Nitte	2019

• Workshops / Short-term Course Attended

SL. No.	Workshop Title	Place	Date & Year
1.	Advanced facilitation skill workshop	KVGCE, Sullia	5 th & 6 th Feb 2018

• No. of Project Guided

UG	PG
16	22

• Responsibilities Taken in College Level

Event	Positions	Duration	
		From	To
Guiding PhD students registered under VTU, Belagavi	Research supervisor/Doctoral committee member	June 2019	Till the date
Technical Fest (VSION & THANTRAJNA 18)	Program Coordinator	April 2019	-----

• Responsibilities Taken in Department Level

Event	Role	Duration	
		From	To
1. Project work (UG)	Co-ordinator	2018	2019
2. PG Co-ordinator	Co-ordinator	2018	Till date
3. PG seminar Co-ordinator	Co-ordinator	2018	Till date
4. PG Test Co-ordinator	Co-ordinator	2018	Till date
5. M.Tech internship	Co-ordinator	Aug 2018	Till date
6. NBA	Dept. coordinator	2018-19	

• Participation details in the college level event.

SL .No.	Event	Position / Role
1.	College sports meet	Participated in the sports events like throwball, tug of war
2.	Science Talent Hunt Program	Coordinator for Lab visit committee

• Participation details in the Department level activities

SL .No.	Event	Role / Responsibilities
1.	Counseling	Counselor for Civil Students
2.	Mentor	Mini-project work 3 rd semester Students

• No. of Lab Manual / Program Guidelines Prepared

SL. No.	Lab manual/ Guide lines Title	Semester and branch	Year
1.	Geo Technical Engineering lab	IV Civil	2016
2.	Concrete Technology lab	VI Civil	2016

• No. of Labs handled for UG and PG

SL. No.	Lab Title	Year	Semester & Branch
1.	Geo Technical Engineering lab	2016	VI Civil
2.	BMT Lab	2016	III Civil
3.	Concrete Lab	2017	VIII Civil
4.	Geo Technical Engineering lab	2019	VI Civil

• Responsibilities taken in University level

SL. No.	Responsibility	Year
1	Paper setting for UG, PG and PhD	2016- till date

• Interaction with Outside World

Sl.No.	Responsibility	Event and Organizer	Date
1.	Judge	Paper presentation during the National conference held at VCET Puttur	2016

• Awards / Recognition / Achievements/ Others

- Served/Serving as **Question Paper setter, valuator and moderator** for UG and PG program of VTU Belagavi.

Dr. Lekha B M, Civil DEPT., KVGCE, SULLIA, D.K - 574 327

Reach me at lekhabm@gmail.com