

FACULTY PROFILE

Name : Dr. Srinivas F. Chitragar
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Qualification : B.E., M-Tech., Ph.D.,
B.E (Civil) Basaveshwar Engineering College, Bagalkot, Karnataka st
M-Tech (Transportation Systems Engineering) IIT Bombay, Mumbai
Ph.D Visvesvaraya Technological University Belgaum Karnataka st

Professional
Date of Birth : 10.04.1985
Date of Joining : 02.02.2007
Experience : 18 years as on 02.02.2025 Ongoing

Teaching
experience
Industry
experience **06 Months**

Administrative Responsibilities : 1) *Member BOS*
2) *Placement Coordinator(Civil Engg Dept)*
3) *Alumni Coordinator (Civil Engg Dept)*

Teaching
No. of Projects Guided

UG : 45
PG : 05

Research
Interest Area
No. of Research

Scholars : NA
Pursuing : NA
Awarded

Patents : *NIL*

Research Grants	Sl. No.	Title of the Project	Type of Grant	Amount Sanctioned	Year
	1)	Study of Ground Water Exploration using GIS (co-investigator)	VTU Belagavi	24,50,000/-	2009
	2)	Design & Performance Evaluation of RAP(Recycled Asphalt Pavement) using Warm mix Asphalt mix	KSCST Banglore	7000 /-	2015
	3)	Laboratory Investigation of Fracture resistance of flexible pavement using semi-circular bending test with addition of Reclaimed Asphalt Pavement(RAP)	KSCST Banglore	7000/-	2015
	4)	Recycling of flexible pavement for the sustainable development and its performance evaluation	KSCST Banglore	6000/-	2015
	5)	Case study on Accident Spots in Bagalkot City	KSCST Banglore	4000/-	2016
	6)	Determination of Increase in strength & Durability of BC soil using fly ash & Bio-Enzyme As Stabilizers	KSCST Banglore	6000/-	2017
	7)	Durability study to utilize high volume Recycled Asphalt Pavement(RAP) in hot & warm mix Asphalt mixes	KSCST Banglore	6000/-	2017
	8)	Stabilization & Performance Evaluation of BC soil using Bagasse ash & Bio-Enzyme	KSCST Banglore	8000/-	2017

Publications :
Books/Chapters

- 1) *Evaluation of fracture resistance of WMA mixes using semicircular bending test* **Srinivas F Chitragra and Dharamveer Singh**, Taylor and Francis group, London, Volume Bituminous Mixtures & Pavements VI, Year 2015, Pages 271-276
- 2) Laboratory Investigation of Black Cotton Soil Modified with Bioenzyme and Aggregates for Pavement Subgrade **Srinivas F. Chitragar, C. B. Shivayogimath, and Raviraj H. Mulangi**

© Springer Nature Singapore Pte Ltd. 2021 B. B. Das et al. (eds.), Recent Trends in Civil Engineering, Lecture Notes in Civil Engineering 105, https://doi.org/10.1007/978-981-15-8293-6_29
- 3) Study on Strength and Volume Change Behaviour of Expansive Soil Using Non-Traditional (Bio-Enzyme) and Traditional (Lime& Bagasse Ash) Stabilizers **Srinivas F Chitragar., C.B.Shivayogimath and Raviraj H Mulangi** Geotechnics for Transportation Infrastructure-2018, Volume , Year 2018, Pages

Journals (with :
citations)

- 1) Dharamveer Singh ,Srinivas F. Chitragar and Prabin Kumar Ashish **“Laboratory performance of Recycled Asphalt Mixes containing wax and chemical based Warm Mix Additives using Semi Circular Bending and Tensile Strength Ratio tests”** Construction and Building Material 158 (2018) pp-1003-1014 ELSEVIER Journal.
- 2) Dharamveer Singh ,Srinivas F. Chitragar and Prabin Kumar Ashish: **“Comparison of moisture and Fracture damage resistance of hot and warm asphalt mixes containing reclaimed pavement material”**. Construction and Building Material 157 (2017) pp-1145-1153 ELSEVIER Journal.
- 3) Srinivas F. Chitragar and Dharamveer Singh : **“Laboratory Performance Evaluation of Asphalt Mixes Containing Recycled Asphalt Pavement”** Indian Highways Vol:45 Number:12 Dec 2017 pp-17-22.
- 4) Srinivas F. Chitragar and Dharamveer Singh: **“Evaluation of Fracture Resistance of Asphalt Mixes Containing Recycled Asphalt Pavement using SCB Test”**. Indian Highways Vol:44 Issue:1 January 2016 pp-17-22.
- 5) Srinivas F. Chitragar and Dharamveer Singh: **“Evaluation of fracture resistance of WMA mixes using semi-circular bending test”** Bituminous Mixtures & Pavements

VI – Nikolaidis (Ed.) © 2015 Taylor & Francis Group, London, ISBN 978-1-138-02866-1
- 6) Srinivas Chitragar C.B.Shivayogimath , and Raviraj Mulangi **Study on Strength and Volume Change Behavior of Expansive Soil Using Non-traditional (Bio-enzyme) and Traditional (Lime and Bagasse Ash) Stabilizers**, © Springer Nature Singapore Pte Ltd. 2019 R. Sundaram

et al. (eds.), Geotechnics for Transportation Infrastructure, Lecture Notes in Civil Engineering

- 7) Srinivas F. Chitragara*, Chandrashekhar B. Shivayogimatha , Raviraj H. Mulangi
Study on strength and volume change behavior of stabilized black cotton soil with different pH of soil-lime mixes for pavement subgrade ISSN: 1997-1400 <https://doi.org/10.1007/s42947-020-0117-x> Chinese Society of Pavement Engineering. Production and hosting by Springer Nature *International Journal of Pavement Research and Technology* **volume 14**, pages543–548 (2021)

Conferences

- 1) Srinivas F. Chitragar and Dharamveer Singh : **“Evaluation Of Moisture, Rutting, and Fracture Performances of Recycled Asphalt”** International Conference TPMDC 2014 organized by Transportation Systems Engineering, Department of Civil Engineering, Indian Institute Of Technology Bombay During December 10-12,2014.
- 2) Srinivas F. Chitragar and Dharamveer Singh : **“Evaluation of Fracture Resistance of WMA Mixes using Semi-circular Bending Test”** organized by Aristotle University of Thessaloniki(A.U.Th.), Greece in conjunction with Built environment research Institution (BERI) of University of Ulster and the Centre of Mississippi, USA. **2015 at Greece**
- 3) Srinivas F. Chitragar: **“Design and Performance Evaluation of RAP using WMA Mixes”** organized by CSIR-Central Road Research Institute, New Delhi during March 11-12, 2016.
- 4) Dr. C.B.Shivayogimath , Srinivas Chitragar and Raviraj Mulangi **“Study on Strength and Volume Change Behaviour of Expansive Soil Using Non-Traditional (Bio Enzyme) and Traditional (Lime& Bagasse Ash) Stabilizers”** International symposium on Geotechnics of transportation Infrastructure " held at IIT DELHI **April 07-08, 2018**
- 5) Malleshappa M. Japagal, Srinivas F. Chitragar and Basavaraj S. Ganganavar : **“Performance Study on Moisture Damage and Resistance of Different Percentage of RAP by using Rejuvenator”** International Conference on Pavement And Computational Approaches Organized by CSIR-Central Road research Institute, New Delhi during November 16-17,2018.
- 6) Srinivas F. Chitragar, C.B. Shivayogimath and Raviraj Mulangi:” **Evaluation of Fracture Resistance and Moisture Damage of HMA Mixes Using Plastic Coated Aggregates ”** International Conference on Pavement And Computational Approaches Organized by CSIR-Central Road research Institute, New Delhi during November 16-17,2018.
- 7) Srinivas Chitragar, C.B.Shivayogimath and Raviraj Mulangi **“ Study on Physical and Chemical Change Behavior of Stabilized Black Cotton soil for pavement subgrade ”** Indian Geotechnical Conference- 2019 SVNIT Surat, **Dec 19-21, 2019**

(Secured Best Presentation Award in IGC-2019)

- 8) Srinivas F Chitragar, **Vishwanath Hugar**, Reena Rodrigues, and Adarsh H. S “ **Performance evaluation on Durability of Stabilized Black Cotton soil for pavement subgrade using Chemical Additives and Lime** ” Green Highway Construction –A Sustainable approach” International Conference-at NITK Surathkal, 14th -15th September 2020
- 9) Srinivas F Chitragar*, Aman Patil and Muttana Balreddy, **'Laboratory Design and Performance Analysis of Bituminous Mixes using Recycled Asphalt Pavement (RAP) for Sustainable Green Highways '** International Conference Oon Sustainable Infrastructure: Innovations, Opportunities And Challenges-2024 (SiioC-2024)

Invited Talks : *NIL*

Events Organized : **Training and Continuous Education Programmes Conducted for working Engineers/Professionals/Academicians:**

- 1) Oct- 2009 Design of Advanced all weather roads
(Engineering Staff College. KERS Krishnarajasagara-Govt of Karnataka)
- 2) Aug -2015 Design and Highways and Construction of Flexible and Rigid Pavement and Safety in construction and Maintenance
(Engineering Staff College. KERS Krishnarajasagara-Govt of Karnataka)
- 3) Aug - 2018 Advanced Pavement , Geometric Design & Material Characters
(Engineering Staff College. KERS Krishnarajasagara-Govt of Karnataka)
- 4) 2019 Advanced Pavement , Geometric Design & Material Characters
(Engineering Staff College. KERS Krishnarajasagara-Govt of Karnataka)

Training Program organized : UNDER TEQIP

- 1) July – 2016 Surveying and Mapping using Advanced Instruments of Tools . (Under –TEQIP- II (EPA))
- 2) July – 2016 Auto CAD & REVIT (Under –TEQIP- II (EPA))
- 3) July – 2018 Internship Programme for REC Bijnor Students. (Under

–TEQIP- III)

- 4) 26th August 2019 One day workshop on “Road User Safety” (Under – TEQIP- III EAP)

**Conferences/
Symposiums/
Workshops/
Training
Programs
Attended**

: AICTE/ ISTE short term courses:

- 1) Design of Earthquake Resistant Structure organized by Basaveshwar Engineering College Bagalkot during May 26-30,2008 (01Week).
- 2) Water Resources Development and Management organized by National Institute of Technology Karnataka, Surathkal during July 28- August 08,2008 (02 weeks).
- 3) Introduction to ArcGIS 9 organized by Basaveshwar Engineering College Bagalkot during August 18-22,2008 (01Week).
- 4) MISSION 10X organized by Basaveshwar Engineering College Bagalkot during February 02-06,2009 (01Week).
- 5) Geomatic Application for Sustainable Water Resources and Environment organized by Jawaharlal Nehru Technological University Hyderabad, Andra Pradesh during June 15-July 04,2009 (03 Weeks).
- 6) Risk Assessment and Management In Geotechnical Engineering organized by IIT Bombay during March 14-18,2011 (01 week).
- 7) Safety and Environmental Management of Construction Projects organized by IIT Delhi during July 11-15,2011 (01 week).
- 8) Urban Transportation Demand Modeling conducted by IIT Bombay at Mumbai During June 17-21,2013.(01 Week).
- 9) Finite Element Methods and Application in Civil Engineering conducted by IIT Bombay at Mumbai during July 01-05,2013 (01 week).
- 10) Water Resource Management Studies using Geospatial Techniques and Numerical Modelling Conducted by IIT Bombay during July 08-12,2013.(01 Week).
- 11) Soft Computing Techniques in Hydrologic Time Series Modeling Conducted by IIT Bombay at Mumbai during November 11-15,2013.(01Week)
- 12) Empowering Teachers to Enrich Students conducted by Basaveshwar Engineering College Bagalkot during December 02-04,2014 (03 Days).
- 13) Orientation Programme on Entrepreneurship Development and Implementation of DEBM Programme Conducted by Basaveshwar Engineering College Bagalkot during August 26-27,2015 (01Week).
- 14) Application of Remote Sensing and Geographical Information System for Civil Engineers Conducted by Guru Nanak Dev Engineering College, Bidar during September 25-27,2015 (03 Days).

- 15) Faculty Development Programme organized and conducted by Teaching Learning Centre, IIT Madras during October 12-14,2015(02 Days).
- 16) Research Methodologies and Latex organized by B.L.D.E.A's Dr. P.G.Halakatti College of Engineering and Technology, Vijayapura during February 18-20,2016 (02 Days).
- 17) Impacts of Climate Change, Urbanization and Land-Use-Land Cover Change on Water Resources conducted by IIT Bombay at Mumbai during May 30-June 03,2016 (01 week).
- 18) Analysis of Research Problems through Design of Experiments conducted at Basaveshwar Engineering College, Bagalkot, under TEQIP-II by IIT Bombay during January 20-22,2017(02 Days).
- 19) Emerging Technologies for Sustainable Development organized by Basaveshwar Engineering College, Bagalkot during February 27-28,2017 (02 Days).
- 20) Laboratory and Ergonomic Safety for Engineers Conducted by IIT Bombay during June 13-16,2017 (01Week).
- 21) Advances in Transportation planning and Traffic Management Conducted by IIT Bombay during July 03-07,2017 (01 week).
- 22) Advances in Finite Element Methods and Applications organized by BMS College of Engineering, Bengaluru during July 17-28,2017(15Days).
- 23) Human Values and Ethics organized by B.V.V.S Polytechnic (Autonomous), Bagalkot during October 03-14, 2017(15 days).
- 24) Elements of Vibration Analysis organized by National Institute of Technical Teachers' Training and Research, Kolkata during June 11-15,2018 (01 week).
- 25) Analysis and Design of Pavement, Highway Geometry conducted by IIT Bombay during July 02-06, 2018(01 week).
- 26) Workshop on Developing Positive attitude towards institutional work & life conducted by Saitej life training institute organized by NPU Govt. of India 12th to 14th oct 2018 @ Pune Maharashtra

**Awards
Honors**

and :

1) *Best Paper Presentation Award*
Indian Geotechnical Conference-2019 -GeoINDUS held at SVNIT Surat

2) *Project of the Year (Advisor) Award*
Karnataka State Council for Science and Technology, State Project Programme (38th Series) 2015

*3) Most Innovative Teacher Award by
Wipro mission 10x , Wipro Limited 2010*

Membership

*Indian Roads Congress
Life Member (LM-41991)*