



# Malnad College of Engineering, Hassan

(An Autonomous Institute, Affiliated to V.T.U, Belagavi)

## Faculty Biodata

### GENERAL INFORMATION AND ACADEMIC BACKGROUND

#### PART-A

1.	Name(inBlockLetters)	<b>Dr. A J KRISHNAIAH</b>
2.	Qualification	<b>B.E(Civil), M.Sc (Engg.), Ph.D</b>
3.	Date of joining the service at MCE	<b>14.07.2007</b>
4.	Department	<b>CIVIL ENGINEERING</b>
5.	Current Designation & Experience in MCE	<b>PROFESSOR (26 Years 10 Months— Before 2007 Served as faculty in the same institution from Sep. 1993 to Sep. 2003)</b>
6.	<b>Teaching Experience:</b> P.G. (in Years) : U.G. (in Years) :	
<b>Research Experience (in Years)</b>		
7.	<b>a) Total Number of years</b> <b>b) Years spent in M. Phil. / Ph.D.</b> <b>c) Years of Guiding Ph.D. / M. Phil.</b> <b>d) Total No. of papers Published in</b> i. International Journals ii. National Journals iii. Conference Proceedings <b>e) Total No. of</b> <b>Conferences/Seminar/Workshop</b> <b>Attended</b> i. International ii. National iii. State Level	<b>a) 09 Years</b> <b>b) 03 Years</b> <b>c) 08 Years</b> <b>d) i. 03</b> <b>ii. 03</b> <b>iii 07</b>
8.	<b>Awards /Prizes/ Honor's / Recognitions</b>	
9.	<b>Fields of Specialization under the Subject / Discipline</b>	<b>Geotechnical Engineering</b>
10.	<b>Orientation/Refresher Course/Summer School / Winter School/Workshops attended:</b>	

**PART-B**

**1. List of Publications:**

<b>Sl. No.</b>	<b>Title</b>	<b>Name of the Journal, Vol. No., Year</b>	<b>ISSN/ISBN/Number</b>
1.	“Effect of Lime on the Compaction and Strength Behaviour of Red Earth treated with Mine tailings”	IOSR Journal of Mechanical and Civil Engineering (IOSRJMCE), Vol.2(4), 01-06 2012	2278-1684
2.	“Role of Moulding Water Content on the Strength Properties of Red Earth treated with Mine tailings”	International Journal of Science & Engineering Research, Vol. 4(5), 47-50 2013	2229-5518
3.	“Effect of Lime on the Index Properties of Black cotton soil and Mine tailings mixtures”	IOSR Journal of Mechanical and Civil Engineering (IOSRJMCE), Vol.3(4), 01-07 2013	2278-8719
4.	“Effect of Lime on the Hydraulic Conductivity of Red Earth Treated with Mine tailings for the Construction of Earth Dams”	Research and Reviews: Journal of Engineering and Technology (RRJET), Vol.2(3), 265-269 2013	2319-9873
5.	“Strength Behaviour of Red Earth and Mine tailings Mixture Treated with Lime in presence of Sodium chloride”	International Journal of Earth Science and Engineering, Vol. 6(5), 1060-1067 2013	0974-5904
6.	Improvement in Geotechnical Properties of Expansive Soil Using Various Stabilizers: A Review	International Journal of Engineering and Manufacturing, 2020, 5, 18-27 2020	GDR
7.	Improvement in Geotechnical Properties of Expansive Soil Using Various Stabilizers: A Review	I. J. Engineering and Manufacturing Issue: 5 Volume: 10, 18-27 2020	2306-5982

8.	Stabilization of Lime Treated Black Cotton Soil and Red Mud Mixture	International journal of Engineering Research and Technology Volume 10, Issue 8 , August - 2021	2278-0181
9.	Stabilization of Black Cotton Soil using Mine Tailing and Lime	International Research Journal of Engineering and Technology Volume 8 Issue 8 Aug 2021	2395-0072
10.	Prediction of Unconfined Compressive Strength of Expansive Soil Amended with Bagasse Ash and Lime Using Artificial Neural Network	Journal of Soft Computing in Civil Engineering Issue: 8 Volume: 1, 33-54 , 2023	2588-2872
11.	Prediction of failure for a slender reinforced concrete column using reliability analysis	Indian Concrete Journal Issue: 9 Volume: 96, 410-47 2022	0019-4565
12.	Advancements In Effective Black Cotton Soil Stabilization: A Review	ADBU Journal of Engineering Technology, Issue: 4 Volume: 10, 1-8 2021	2348-7305
13.	Application of Artificial Neural Networking Technique to Predict the Geotechnical Aspects of Expansive Soil: A Review	I. J. Engineering and Manufacturing Issue: 6 Volume: 11, 48-53 2021	2306-5982
14.	Shrinkage and Strength Characteristics of Expansive Soil Amended with Bagasse Ash and Lime	Revista Ingeniería de Construcción RIC Vol 38 N°3 <a href="http://www.ricuc.cl">www.ricuc.cl</a> DOI: 2023	10.7764/RIC.00082.21
15.	“Compaction and Strength Behaviour of Black Cotton Soil Treated with Mine tailings	Indian Geotechnical Conference, December 13-15, New Delhi, India 2012	
16.	“Effect of Sodium salts on the Compaction and Strength Behaviour of Red Earth treated with Lime”	National Conference on Recent Advances in	

		Civil Engineering (RACE), Nov 29-Dec 01, CUSAT, Kochi, India. 2012	
17.	“Strength behaviour of black cotton soil and mine tailings mixture treated with lime”	National Conference of Recent Advances in Civil Engineering (RACE), April 29-30, 2013, Belgum, Indid	
18.	“Analysis of Strength Behaviour of Lime treated Red earth and Mine tailings mixtures using X-ray diffraction and SEM techniques”	International Conference on Energy, Environment, Materials and Safety (ICEEMS’14), CUSAT, Kochi, India. 2014	
19.	“Role of moulding water content on the Strength Behaviour of Red earth and Mine tailings Mixtures treated with Lime in presence of Sodium hydroxide”	Indian Geotechnical Conference, December 18-20, Kakinada, India 2014	
20.	Effect of Lime on the Permeability of Black Cotton Soil Treated with Mine Tailings for Earth Dams	International Conference on Infracture Development (ICID) 2018	
21.	Effect of coir fibre on compaction and strength behaviour of Black Cotton Soil	National Conference on New Generation Concrete & its Applications, NGCA-2019, AIT, Chikkamagaluru, Karnataka 2019	

2. **Responsibilities in the Department and Institute / University:** (DAC,DPC, BOS, BOE etc., Institutional Governance responsibilities like, Dean, Chief warden, Warden, HOD’s, School/Centre Chairperson, IQAC Coordinator etc.)

Sl.No	Responsibilities
1.	<b>Warden</b>
2.	HOD in Civil Engineering Department
3.	Dean (P.G) Programes
4.	DAC, BOS, BOE etc

5.	• AICTE Nominee for Expert Visit Committee (EVC) FOR Approval, Sanctioning of New Colleges
6.	• VTU Nominee as BOS Member for Dr. AIT Bangalore
7.	• VTU Local Inspection Committee Member (LIC) for affiliation, Research centre etc.,

### 3. Details of Teaching Related Activities

Sl. No.	Academic Year	(B. E/M.Tech)	Course Title
1	2006-07	B.E	Engg. Mechanics Soil Mechanics & Foundation Engineering Environmental Studies
2	2007-08	B.E	Engg. Mechanics Soil Mechanics & Foundation Engineering Environmental Studies
3	2008-09	B.E	Engg. Mechanics Soil Mechanics & Foundation Engineering Environmental Studies
4	2009-10	B.E	Engg. Mechanics Soil Mechanics & Foundation Engineering Environmental Studies
5	2010-11	Deputed for Higher Studies	
6	2011-12	Deputed for Higher Studies	
7	2012-13	Deputed for Higher Studies	
8	2015-14	B.E	Engg. Mechanics Geotechnical Engg. Advanced Foundation Design
9	2014-15	B.E	Geotechnical Engg. Applied Geotechnical Engg Advanced Foundation Design
10	2015-16	B.E	Geotechnical Engg. Applied Geotechnical Engg Advanced Foundation Design
11	2016-17	B.E	Geotechnical Engg. Applied Geotechnical Engg Advanced Foundation Design
12	2017-18	B.E	Geotechnical Engg. Applied Geotechnical Engg

			<b>Advanced Foundation Design</b>
<b>13</b>	<b>2018-19</b>	<b>B.E</b>	<b>Geotechnical Engg. Applied Geotechnical Engg Advanced Foundation Design</b>
<b>14</b>	<b>2019-20</b>	<b>B.E</b>	<b>Geotechnical Engg. Applied Geotechnical Engg Ground Improvement Techniques Advanced Foundation Design</b>
<b>15</b>	<b>2020-21</b>	<b>B.E</b>	<b>Geotechnical Engg. Applied Geotechnical Engg Ground Improvement Techniques Advanced Foundation Design</b>
<b>16</b>	<b>2021-22</b>	<b>B.E</b>	<b>Geotechnical Engg. Applied Geotechnical Engg Ground Improvement Techniques Advanced Foundation Design</b>
<b>17</b>	<b>2022-23</b>	<b>B.E</b>	<b>Geotechnical Engg. Applied Geotechnical Engg Ground Improvement Techniques</b>

**PART-C**

<b>Professional Development Activities</b>		
	Membership in profession related committees at state and national level a) At International b) At national level: c) At state :	ISTE life member IGS life member Association of Consulting Engineers
	Participation in subject associations, conferences, seminars without paper presentation	conferences, seminars with paper presentation
	Participation in short term training courses less than one week duration in educational technology, curriculum development, professional development, Examination reforms, Institutional governance	Participated in many programmes through offline/online
	Membership/participation in State/Central Bodies/Committees on Education, Research and National Development	Participated state and central committees like EVC for AICTE Panel and VTU LIC Committees
	Publication of articles in newspapers, magazines, or other publications (not covered in category 3); radio talks; television programmes	-
	Invited Expert Talks	Delivered many Invited Expert Talks in various Engineering Colleges

**RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS****1. Published Papers in Journals**

<b>Sl. No.</b>	<b>Title</b>	<b>Journal with Vol. Year &amp; Page No.</b>	<b>ISSN / ISBN No.</b>	<b>Whether peer reviewed. Impact factor, if</b>	<b>No. of Co-authors</b>	<b>Whether you are the main author or</b>
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				any		Guide / mentor
1	“Effect of Lime on the Compaction and Strength Behaviour of Red Earth treated with Mine tailings”	IOSR Journal of Mechanical and Civil Engineering (IOSRJMCE), Vol.2(4), 01-06 2012	2278-1684	Yes	3	
2	“Role of Moulding Water Content on the Strength Properties of Red Earth treated with Mine tailings”	International Journal of Science & Engineering Research, Vol. 4(5), 47-50 2013	2229-5518	Yes	3	
3	“Effect of Lime on the Index Properties of Black cotton soil and Mine tailings mixtures”	IOSR Journal of Mechanical and Civil Engineering (IOSRJMCE), Vol.3(4), 01-07 2013	2278-8719	Yes	3	
4	“Effect of Lime on the Hydraulic Conductivity of Red Earth Treated with Mine tailings for the Construction of	Research and Reviews: Journal of Engineering and Technology (RRJET), Vol.2(3), 265-269, 2013	2319-9873	Yes	2	



	Earth Dams”					
5	“Strength Behaviour of Red Earth and Mine tailings Mixture Treated with Lime in presence of Sodium chloride”	International Journal of Earth Science and Engineering, Vol. 6(5), 1060-1067,2013	0974-5904	Yes	3	
6	Improvement in Geotechnical Properties of Expansive Soil Using Various Stabilizers: A Review	International Journal of Engineering and Manufacturing, 2020, 5, 18-27 2020	GDR	Yes	2	
7	Improvement in Geotechnical Properties of Expansive Soil Using Various Stabilizers: A Review	I. J. Engineering and Manufacturing, Issue:5, Volume: 10, 18-27, 2020	2306-5982	Yes	2	
8	Stabilization of Lime Treated Black Cotton Soil and Red Mud Mixture	International journal of Engineering Research and Technology  Volume 10, Issue 8 , August - 2021	2278-0181	Yes	5	
9	Stabilization of Black Cotton Soil using Mine Tailing and Lime	International Research Journal of Engineering and Technology  Volume: 8 Issue:	2395-0072	Yes	2	

		8 Aug 2021				
10	Prediction of Unconfined Compressive Strength of Expansive Soil Amended with Bagasse Ash and Lime Using Artificial Neural Network	Journal of Soft Computing in Civil Engineering, Issue: 8, Volume 1, 33-54, 2023	2588-2872	Yes	2	
11	Prediction of failure for a slender reinforced concrete column using reliability analysis	Indian Concrete Journal, Issue: 9, Volume: 96, 410-47, 2022	0019-4565	Yes	2	
12	Advancements In Effective Black Cotton Soil Stabilization: A Review	ADBU Journal of Engineering Technology, Issue: 4, Volume: 10, 1-8, 2021	2348-7305	Yes	2	
13	Application of Artificial Neural Networking Technique to Predict the Geotechnical Aspects of Expansive Soil: A Review	I. J. Engineering and Manufacturing, Issue: 6, Volume: 11, 48-53 Issue: 6	2306-5982	Yes	2	
14	Shrinkage and Strength Characteristics of Expansive Soil Amended with Bagasse Ash and Lime	Revista Ingeniería de Construcción RIC Vol 38 N°3 <a href="http://www.ricuc.cl">www.ricuc.cl</a> DOI: 2023	10.7764/RIC.00082.21	Yes	2	

2. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes **IS IT CONDUCTED OR ATTENDED**

Sl. No.	Name of Course/Summer/Winter School	Duration	Organized By
1.	State level Two – Day Workshop on Computer Related Subjects of Civil Engineering, Held at MCE, Hassan, 20 <sup>th</sup> – 21 <sup>st</sup> October 2000	Two day	MCE Hassan
2.	AICTE – ISTE Short Term Course on Computer Applications to Civil Engineering Problems Using C++ & VC++, Held at MCE, Hassan, 3 <sup>rd</sup> – 16 <sup>th</sup> September 2001	Two weeks	MCE Hassan
3.	AICTE – ISTE Short Term Course on Advances In Geotechnical Practices for Waste Management ( AGPWM), Held at PES College of Engineering, Mandya, 14 <sup>th</sup> – 26 <sup>th</sup> July, 2003	Two weeks	PESCEMandya
4.	International Symposium on Earth Structures (22-08-2007 to 24-08-2007) at I.I.Sc, Bangalore	Four day	IISc Bangalore
5.	National Programme for Capacity Building of Engineers in Earthquake risk management in RCC and Masonry Constructions (NPCBEERM), (28 <sup>th</sup> July 2008 to 1 <sup>st</sup> August 2008), at MCE, Hassan	1 week	MCE Hassan
6.	Challenges in Ph.D and M.Sc (Engg.) Research at Engineering Colleges, (26-02-2008) at MCE, Hassan.	1 day	MCE Hassan
7.	Capacity Building of Architects & Engineers in Earthquake Risk Reduction, Held at UVCE, Bangalore University, Bangalore, 12 <sup>th</sup> -14 <sup>th</sup> October 2011	3 days	Bangalore University, Bangalore
8.	Indian Geotechnical conference on Geochallenges (National Conference) –2011, Kochi, December 15-17, 2011	1 day	CUSAT, Kochi, Kerala
9.	ICSMGE TC 302 Fourth International Seminar on “FORENSIC GEOTECHNICAL ENGINEERING” Jointly organized by Indian Geotechnical Society New Delhi & Indian Institute of Science, Bangalore, January 10 <sup>th</sup> - 12 <sup>th</sup> , 2013	3 days	IISc, Bangalore
10.	AICTE Sponsored Two Week Faculty Development Programme on “Technology for Design, Modeling & Production of	Two weeks	GEC Hassan

	Composite Structures” Held at Government Engineering College, Hassan from 27 <sup>th</sup> January – 8 <sup>th</sup> February 2014		
11.	Tow – Day Workshop on “CASE HISTORIES & RESEARCH AVENUES IN GEOTECHNICAL ENGINEERING, Held at UVCE, Bangalore University, Bangalore 23 <sup>rd</sup> & 24 <sup>th</sup> October 2013	Two day	UVCE, Bangalore University
12.	Tow – Day Workshop on “EARTHQUAKE RESISTANT DESIGN OF FOUNDATIONS, Held at UVCE, Bangalore University, Bangalore 25 <sup>th</sup> & 26 <sup>th</sup> October 2013	Two day	UVCE, Bangalore University
13.	Tow – Day Workshop on “ADVANCES IN GEOTECHNICAL ENGINEERING, Held at UVCE, Bangalore University, Bangalore 28 <sup>th</sup> & 29 <sup>th</sup> October 2013	Two day	UVCE, Bangalore University
14.	TEQIP Sponsored One Week Faculty Development Programme on “ Advanced Surveying and Mapping by Using Total Station and GPS” Held at MCE, Hassan, 16 <sup>th</sup> – 21 <sup>st</sup> December 2013	One week	MCE Hassan
15.	Two Week Workshop on Fluid Mechanics Conducted by IIT Kharagpur Under the National Mission on Education through ICT (MHRD, Govt. of India), attend at MIT, Mysore (RC ID 1097)	Two weeks	MIT, Mysore
16.	MHRD-AICTE-TEQIP II Sponsored Faculty Development Programme on “Analysis and Design of Prestressed Concrete Structures as per IS 1343: 2012 (ADPC) , Conducted at NIT Calicut from 6 <sup>th</sup> -12 <sup>th</sup> July 2014	1 week	NIT Calicut, Kerala
17.	TEQIP Sponsored One Week Faculty Development Programme on “ Analytical and Numerical Techniques in Applied Mathematics and Engineering” Held at MCE, Hassan, 28 <sup>th</sup> July – 02 <sup>st</sup> august 2014	1 week	MCE, Hassan
18.	One Week Short term Course on “ Geotechnical Investigation for Structural Engineering” Held at IIT Gandhinagar 13 <sup>th</sup> - 15 November, 2014	1 week	IIT Gandhinagar, Gujarath
19.	Professional Development Training under TEQIP-III, Indian Institute of Management Indore at 28.01.2019	1 week	IIM Indore, Madyapradesh

	to 01.02.2019		
20.	Organizing committee member for "Integrated Water, Wastewater & Isotope Hydrology" (ICE-WWISH 2013) held during July 25-27, 2013, UVCE, Bangalore University, Bangalore	1 day	, Bangalore University, Bangalore
21.	Chairperson for technical session "Integrated Water, Wastewater & Isotope Hydrology" (ICE-WWISH 2013) held during July 25-27, 2013, UVCE, Bangalore University, Bangalore	3 days	, Bangalore University, Bangalore
22.	Delivered a Key note address and Chairperson for technical session "Recent trends and Innovations in Civil Engineering (NCRTC - 2019)" held during July 7th & 8th June, 2019, Dr. AIT, Bangalore' .	2 days	Dr. AIT, Bangalore'
23.	A Two Week Faculty Programme on "Analysis & Design Of High Rise Structures" held during 04th - 16th, Mahatma Gandhi Institute Of Technology Gandipet, Hyderabad - 500075 .	Two weeks	MGIT, Hyderabad
24.	Two Weeks Faculty Development Programme on "Formulation, Modeling & Practical Applications Of Operations Research (FMPAOR 2015)"Held at MCE, hassan , 25th May to 06th June 2015	Two weeks	MCE Hassan
25.	One Day Workshop On "Principles Of Earthquake Resistant Design Of Structures" held at MCE ,Hassan , on 18th April 2015	One day	MCE Hassan
26.	Indian Geotechnical Conference - 2014 on " Geotechnics For Inclusive Development Of India (GEOIND) ",Held At Jawaharlal Nehru Technological University Kakinada, Kakinada On 18th-20th December 2014	3 days	JNTU, Kakinada, Andrapradesh
27.	AICTE Sponsored Two Days National Workshop On "Recent Developments Of Self Compacting Concrete " held at MCE, Hassan, on 30th-31st October 2017	2 days	MCE Hassan
28.	One Week Faculty Development Programme On "Challenges In Non	One week	MCE Hassan

	Conventional Energy Sources " held at MCE, Hassan, on 9th-13th April 2018		
29.	One Week Interdisciplinary Faculty Development Programme On "Total Quality Management " held at MCE, Hassan, on 28th May to 1st June 2018	One week	MCE Hassan
30.	One Week Interdisciplinary Faculty Development Programme On " Recent Developments In Solar & Wind Energy System For On/Off Grid Applications " held at MCE, Hassan, on 9th - 13th July 2018	One week	MCE Hassan
31.	Participated in the CEP course on " End To End Innovation " conducted for Malnad college of engineering, Hassan under TEQIP-II by Indian Institute of technology (IIT) Bombay ,during March 07-11,2017	1 day	IIT Bombay
32.	NPTEL online certification course successfully completing Entitled " Subsurface Exploration : Importance and Techniques Involved" Feb - April 2019 (08 Week course)	8 weeks	NPTEL online certification course AICTE
33.	NPTEL online certification course successfully completing Entitled " Geosynthetic Testing Laboratory" July - Aug 2019 (04 Week course)	4 weeks	NPTEL online certification course AICTE
34.	NPTEL online certification course successfully completing Entitled " Geotechnical Engineering Laboratory" July - Aug 2019 (04 Week course)	4 weeks	NPTEL online certification course AICTE

**Note: Do not leave any blank rows and columns. Add/Delete rows/columns appropriately.**