

M.D KHAJA MONIUDDIN- CURICULUM VITAE

(last updated: September 2019)



PERSONAL DETAILS

Name : Md Khaja Moniuddin
Designation : Assistant Professor in Civil Engineering
Qualification : (Ph.D) Pursuing,
Specialization : Civil Engineering
(Earthquake Engineering)
Address : Department of Civil Engineering,
Bheemanna Khandre Institute of Technology (B.K.I.T),
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EDUCATION

2014 onwards	Ph.D(Pursuing)	Civil Engineering	V.T.U, Belgavai, India
2011-2013	M.Engg.	Earthquake Engineering	Bangalore University, India
2003-2007	B.Engg.	Civil Engineering	V.T.U, Belgavai, India

PROJECT

- B.Engg. - *Design and Analysis of Multistory Apartment Using STAAD*
M.Engg. - *Earthquake Analysis on 2D RC Frames with different Aspect Ratios of Masonry Infill and Monolithic Panel.*

RC structures are one of the most famous and most utilized types of construction throughout the world. The wall panels for this type of structures usually are made of masonry infill or monolithic RC panels. Extensive researches are being carried out worldwide in the last five decades in regard to the lateral load resisting capabilities of RC frames with such wall panels when subjected to seismic excitation. In this dissertation work, earthquake analysis of a typical 2D-RC frame is carried out. Masonry infill is modeled as equivalent diagonal strut and monolithic panel is modeled as shell element. Modal analysis is carried out on the models and the results are compared with the shake table tests conducted at Central Power Research Institute (CPRI), Bangalore to validate the models. Earthquake analysis is continued with equivalent static, response spectrum and time history analyses for all the zones (II-V) as per IS: 1893(Part-1):2002. The analysis results such as

natural frequency, displacement, inter-storey drift and acceleration are tabulated, compared and conclusions are drawn.

Key words: 2D-RC Frame, Masonry Infill, Monolithic wall, Shake table, Natural Frequency, Modal analysis, Response spectrum, Equivalent Diagonal Strut, Time History, Inter-Storey drift.

POSITIONS HELD

09/2013-present	Assistant Professor , Department of Civil Engineering Bheemanna Khandre Institute of Technology , Bhalki, India
03/2009 - 09/2011	Lecturer , Department of Civil Engineering Rural Engineering College , Bhalki, India.
07/2007 - 03/2009	Senior Site Engineer , Alankar Real Estate Pvt. Ltd, Nagpur, India.

RESPONSIBILITIES ASSIGNED AT B.K.I.T

2013-present	Team Leader , for Civil Engineering Department, R & D Centre.
2010-present	Consultant Engineer , Department of Civil Engineering.
2013-present	Coordinator , Examination Management System (E.M.S) Department of Civil Engineering.
2013-present	Secretary , Civil Engineering Staff and Student Association (CESSA).
June 2010	Team leader , Technical Education Quality Improvement Program (TEQIP-II).
2009-2010	Academic In-charge , Department of Civil Engineering.
2009-2010	Team member , Third party inspection under “Calamity relief works of flood and heavy rain affected areas of Gulbarga district in 2009”

CONFERENCE/WORKSHOP/SHORT TERM COURSES ORGANIZED

Organizer	Three day National Level workshop on “Earthquake Resistant Practices in Civil Engineering (ERPCE-2015)”, from 9th -11th March 2015, Sponsored by ‘Ministry of Earth Sciences (MoES)’, Government of India.
Coordinator	Three days National Level workshop on “Water Planning and Management for Sustainability” organized by Department of Civil Engineering, from 25 th to 27 th 2014.
Committee member	International Conference on Communication, Computation, Control and Nanotechnology (ICN2011)” at R.E.C, Bhalki.
Committee member	International Conference on Communication, Computation, Control and Nanotechnology (ICN2010)” at R.E.C, Bhalki.

WORKSHOPS/SHORT TERM COURSES PARTICIPATED AS RESOURCE PERSON

- 1) Delivered a lecture on “Reinforcement Detailing for Earthquake Resistant Structures” at
Three day National Level workshop on “Earthquake Resistant Practices in Civil Engineering

(ERPCE-2015)”, from 9th -11th March 2015, Sponsored by Ministry of Earth Sciences MoES, Government of India.

MINOR PROJECT WITH EXTERNAL FUNDING/COLLABORATION

1. Karnataka State Council for Science and Technology, IISC, Bangalore sponsored project for UG students entitles “Stabilization of Black Cotton Soils Using Fly Ash in Bidar-Bhalki, Municipal Corporation Area” for the year 2013-14; Reference No 37S0373.
2. Karnataka State Council for Science and Technology, IISC, Bangalore sponsored project for UG students entitles “Compaction and Strength Characteristics of Black Cotton Soils (B.C) in the presence of Chlorides and Sulphates” for the year 2014-15; Reference No 38S1606.
3. Karnataka State Council for Science and Technology, IISc, Bangalore sponsored project for UG students entitles “Compaction and Strength Characteristics of Black Cotton Soils (B.C) in the presence of Chlorides and Sulphates” for the year 2014-15; Reference No 38S1606.
4. National Level workshop on “Earthquake Resistant Practices in Civil Engineering (ERPCE-2015)”, from 9th -11th March 2015, Sponsored by Ministry of Earth Sciences MoES, New Delhi, Government of India.

THESIS GUIDANCE EXPERIENCE

Master’s Thesis

Completed:

- 1) Ramling (2018) : Investigation on strength characteristics of black cotton soil and laterite soil stabilization by using Bagasse Ash.
- 2) Kruthika (2017) : Strengthening Of Soft Subgrade Soil Using Industrial Waste Iron Powder And Recycled Plastic Mesh
- 3) Sachin (2016) : Study on behavior of soils using sand columns.
- 4) Vilas (2015) : Finite Element Analysis of Soil Bearing Capacity Using Plaxis.
- 5) P Anand (2015) : Soil Friability its effect on soil aggregate stability.
- 6) Guruprasad (2015) : Relation between CBR values and Geotechnical properties of Expansive Soil.
- 7) Shridhar B M (2014) : Behavior Study of controlled low strength materials (CLSM) with Laterite.

WORKSHOP ATTENDED

1. Attended “One day workshop on Concrete Mix Design”, held at R.E.C, Bhalki on Date 27th Dec. 2004.

2. Attended “*One day workshop on Recent Developments in Structural Engg.*” held at R.E.C, Bhalki on 10th Nov.2006.
3. Attended “*One day workshop on Rainwater Harvesting*” held on 9th March 2006 at R.E.C, Bhalki.
4. Attended the Four days’ workshop on “*Teaching Learning Quality Improvement Initiative*” for teaching faculty held at R.E.C, Bhalki from 1st to 4th Feb.2009.
5. Attended One week Summer School on “*Fundamentals of C & C++*” from 5th to 9th May 2014, organized by the department of Computer Science & Engineering at B.K.I.T, Bhalki.
6. Attended One week Summer School on “*Recent Practices in CAE & Automation*” sponsored by ISTE, VTU & IEI from 11th to 15th April 2014, organized by the department of Mechanical Engineering at B.K.I.T, Bhalki.
7. Attended three days training on “*Capacity Building of Architects and Engineers in Earthquake Risk Reduction*” organized at Department of Civil Engineering, U.V.C.E, Bangalore University, Sponsored by Disaster Management Government of Karnataka, from 12th to 14th October 2011.
8. Attended Three days National Level workshop on “*Water Planning and Management for Sustainability*” organized by Department of Civil Engineering, from 25th to 27th 2014 at B.K.I.T, Bhalki.
9. Attended one day workshop on “*Rainwater Harvesting Interactive Techniques and strategies*” Organized jointly by Karnataka State Council for Science and Technology and Visvesvaraya Technological University, Belgavi on 2nd July, 2015 held at VTU, Regional Centre Kalburgi.

CONFERENCES/SEMINAR ATTENDED

1. Attended Two day National conference on “Recent Advance Development in Construction” held at K.B.N, Gulbarga in May 2007.

PAPER PRESENTED

1. Presented paper on “*Natural Disaster & Remedies Measures*” in “*International Conference on Communication, Computation, Control and Nanotechnology (ICN2011)*” held during September 23-25, 2011 at Rural Engineering College, Bhalki.
2. Presented paper on “*Earthquake analysis of 2D RC frames with different aspect ratio for Masonry infill and Monolithic panel*”, in “*International Conference on Recent Innovative in Civil Engineering (IC-RICE 2013)*”, P.D.A College of Engineering, Gulbarga.

PUBLICATIONS

International

1. Published paper on “ *Factor of safety and reliability analysis of Rock slope using GEO5 software*” in “*Global Research and Development Journal for Engineering*” Vol.4, Issue10, in September 2019, ISSN:2455-5703.
2. Published paper on “*Stabilization of Expansive Soil Using Wheat Husk Ash and Granulated Blast Furnace Slag*” in “*Trends in Civil Engineering and Material Science 1(2)- 2018.*” Lupine Publishers Citation:TCEMS.MS.ID.000108.
3. Published paper on “*Strengthening Of Soft Subgrade Soil Using Industrial Waste Iron Powder And Recycled Plastic Mesh*” in “*International Journal of Innovative Research and Creative Technology*” Vol.4, Issue-1 (2018), pp:23-28, ISSN:2454-5988.
4. Published paper on “*Stabilization of Black Cotton Soil using GGBS, Glass Fiber and Ordinary Portland Cement*” in “*IJIRST (International Journal for Innovative Research in Science & Technology)*” Vol.5, Issue-(2018), pp:104-108, ISSN:2349-6010.
5. Published paper on “*Earthquake analysis of 2D RC frames for different aspect ratios*” in “*The International Reviewer (TIR)*”, e-ISSN: 2395-1575, Volume-4, Issue-1, January -June 2017, Pages 09-12.
6. Published paper on “*Seismic analysis of soil nail performance in deep excavation*” in “*International Journal of Geo-Engineering-springer*”, Vol. 7, Issue-1, (2016) 7:16, DOI: 10.1186/s40703-016-0030-y.
7. Published paper on “*Dynamic Characteristics of a Model and Prototype for 3D-RC Structure*” in “*Slovak Journal of Civil Engineering*”, Vol. 24, 2016, No. 2, pp: 23 – 30, DOI: 10.1515/sjce-2016-0009.
8. Published paper on “*Relation Between C.B.R values and Geotechnical Properties of Expansive Soil*” in “*International Journal for Scientific Research and Development, (IJSRD)*”, e-ISSN: 2321-0613;Vol.-4, Issue-1, March-2016.
9. Published paper on “*Augmenting the Properties of Black Cotton Soil Using Additives*” in “*International Journal of New Technology and Research (IJNTR)*”, e-ISSN: 2454-4116, Volume-1, Issue-3, July 2015 Pages 42-45.
10. Published paper in “*Compaction Characteristics of B.C Soil through Pore Fluids*” in “*Journal of Architectural Engineering Technology*”, <http://dx.doi.org/10.4172/2168-9717.1000156> J Archit Eng Tech Volume 5, Issue 1, 1000156, ISSN: 2168-9717 JAET.
11. Published paper on “*Finite Element Analysis of Soil Bearing Capacity using Plaxis*” in “*International Journal for Scientific Research and Development, (IJSRD)*” e-ISSN: 2321-0613;Vol.-3, Issue-4, June-2015, pp.1325-1328.

12. Published paper on “*F.E.A of Black Cotton Soil using Plaxis*” in “*International Journal of Engineering Research and Technology, (IJERT)*” e-ISSN: 2278-0181; Vol.-4, Issue-6, June-2015, pp.1325-1328.
13. Published paper on “*Soil Stabilization using Waste Pet Fibre Material*” in “*International Journal for Scientific Research and Development, (IJSRD)*” e-ISSN: 2321-0613; Vol.-3, Issue-3, May-2015, pp.3578-3583.
14. Published paper on “*Earthquake Analysis of 2D RC frames with different Aspect Ratios of Masonry Infill and Monolithic Wall*” in “*International Journal of Research in Engineering and Technology, (IJRET)*” e-ISSN: 2319-1163; p-ISSN:2321-7308, Nov-2013, IC-RICE conference Issue. pp.18-23.
15. Published paper on “*Natural Disaster & Remedies Measures*” in World Journal for Science and Technology, Vol 2, No 10 (2012).

EXTRA CURRICULAR

1. Membership in Technical bodies of “*American society for Civil Engineer (ASCE)*”, “*International Association of Engineers (IAENG)*” and Life time member for “*Indian Society for Technical Education (ISTE)*”
2. Member for “*National Information Centre of Earthquake Engineering [NICEE]*”, IIT Kanpur India, Membership Number: 14SY0904.
3. Reviewer Board member for “*International Journal of Research in Engineering & Technology [IJRET]*”. Reviewer Id-20140037; e-ISSN 2319-1163; p-ISSN 2321-7308.
4. Reviewer Board member for “*International Journal of Advanced Research in Computer Science & Technology [IJARCST]*” Reviewer Board Id is: IJARCST-RB-019-2014; e-ISSN 2347-8446; p-ISSN 2347-9817.
5. Editorial Board member for “*Global Research and Development Journals for Engineering [GRDJE]*”, ISSN (online) : 2455-5703, <http://www.grdjournals.com/editorial-board>.

Personal Profile

Name : Md Khaja Moniuddin
Date of Birth : 15-Aug-1984

Father's Name : Md Rukmoddin
Languages Known : Urdu, Hindi , Kannada,and English
Permanent Address : Md Khaja Moniuddin
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mohammed_khajarec@yahoo.co.in
Passport No : **G7806676 valid till 10/12/2028**

Declaration

I hereby declare that the above-furnished details are true to the best of my Knowledge.

Place: Bidar

Date: 05-September-2019



M.D Khaja Moniuddin