

Profile

- 1.Name : Dr. K.C. MANU**
- 2.Date of Birth : 08.05.1984**
- 3.Highest Qualification : Ph.D (Structural Engineering)**
- 4. Permanent Address : Vidhyanagara, Behind canara Bank
Buddha Marga Road, Hassan.**
- 5.Academic Performance : 14 Years 09 months Teaching
(13year 4 months in MCE
1Year 5months in YIT, Hassan)**

Academic Qualifications

Qualifications	Board	Institute and place where studied	Year of Passing	Class Obtained
B.E	Visveswaraya Technological University	Malnad College of Engineering, Hassan	2007	First Class
M.Tech	Visveswaraya Technological University	Malnad College of Engineering, Hassan	2009	First Class with Distinction
Ph.D	Visveswaraya Technological University	Structural Engineering Research Center, Chennai	2020	----

Details on Research Publications: International Journal Paper Publications

SN	Author	Title of the Research Papers	Name of the Journal
1	Manu.K.C	Prediction of Tensile strength and rate of corrosion in cold formed steel coupons	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 15,

			Issue 5 Ver. II (Sep. - Oct. 2018), PP 43-49
2	Manu.K.C	Over View Of Corrosion And Prediction Of Corrosion Rate in Cold Formed Steel Coupons	International Journal of Engineering Science Invention (IJESI), ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726, Volume 7, Issue 10 ,VER IV, Oct 2018 ,pp12-16
3	Manu.K.C	Parametric study on seismic behavior of multi storey flat slab building incorporated with mass irregularity with and without shear walls	International Research Journal of Engineering and Technology (IRJET), ISSN (Online): 2395 – 0056, ISSN (Print): 2395 – 0072, Volume 6, Issue 3 , Mar 2019 .
4	Manu.K.C	Evaluation of residual strength on structural steel specimens subjected to corrosion	Journal of Emerging Technologies and Innovative Research, ISSN : 2349-5162, Volume 6, Issue 6, July 2019
5	Manu K.C	A review on Corrosion and Corrosion Inhibitors in Various forms of Steel Components.	International Journal of Creative Research Thoughts, issn:2320-2882, Volume 10 , Issue 2 nd , February 2022 .
6	Manu K.C	An overview and ground breaking analysis of RC Frame building with various bracing	Gradiva Review Journal , ISSN:0363-8057 ,Volume 8, Issue 12, 2022, Page 565-574, December 2022 .

National conference Paper presentation

SN	Author	Title of the Papers	conference
1	Manu.K.C	Design optimization of Telecommunication towers using Particle swarm approach	National Conference on Recent Developments in Civil Engineering during 8th and 9th April 2011 at Vidya Vikas Institute of Engineering and Technology ,Mysore.
2	Manu.K.C	Comparative analysis and seismic response of multi storey building for with and without floating column in near and far field ground motion	National Conference on new generation concrete and its applications on 8th August 2019 at Adichuchanagiri institute of technology, Chikkamagaluru.

International conference Paper presentation

SN	Author	Title of the Papers	conference
1	Manu.K.C	Experimental investigations on buckling modes of corroded and uncorroded compression members.	International Conference on Infrastructure Development organised by Jorhat Engineering college during 21 st - 22 nd December, 2018 Jorhat, Assam ,INDIA.
2	Manu K.C	Seismic Performance Evaluation of Post Fire Affected Unconfined and Confined Reinforced Concrete – SMRF Structures	International Conference on The 2022 Structures Congress (Structures 22), 16 th – 19 th August, GECE, Seoul, Korea. 2022
3	Manu K.C	Comparative Seismic analysis of Regular and Irregular multistory structures with and without bracings and shear wall	International conference on Civil Engineering Trends and Challenges for Sustainability 19th- 20th December 2023, NITTE , India
4	Manu K.C	Progressive collapse of regular RC structures considering flexibility of slabs under gravity and wind loads	International conference on Civil Engineering Trends and Challenges for Sustainability 19th- 20th December 2023, NITTE , India

Details on Workshops/ Short term course/ Development Programme attended

SN	Name of Course	Place	Duration	Sponsoring Agency
One Day				
01	Recent Developments in Civil Engineering and Future Challenges	Hassan	9 th May 2013	TEQIP- II

02	Water Proofing of Concrete Structures	Mysore	26 th Feb 2014	ACCE
03	SAR Preparation for e-NBA Process	Hassan	28 th May 2014	TEQIP- II
04	Geopolymer for Sustainable Eco-friendly Infrastructures	Chennai	23 rd March 2016	CSIR-SERC
05	Structural Dynamic Studies Using Shake Table and Scaled Building Models	Bengaluru	19 th July 2017	Indian Concrete Institute
06	Recent Advancements in displacement based seismic Design of bridges and An overview of need and adaption of wind tunnel testing for long span bridges.	Karadhparamba	21 st August	---
07	Ensuring Quality in Engineering Education	Hassan	22 nd November 2021	
Two Day				
01	Teaching Effectiveness Workshop	Hassan	29 th -30 th March 2013	TEQIP- II
02	Deriving Program on Educational objectives / Program outcomes/ Course Outcomes/ Assesments for NBA Self Assesment Report	Hassan	11 th - 13 st July 2013	TEQIP- II
03	Recent Developments of Self Compacting Concrete	Hassan	30 th -31 st October 2017	AICTE
04	Outcomes Based Education	Hassan	4 th -5 th August 2018	TEQIP- III
05	48 th ISTE National Annual Faculty Convention	Belagavi	19 th – 20 th March 2019	VTU
06	NAAC Accrediation Process	Hyderabad	20 th -21 st June 2022	MCE
Three Day				

01	Pedagogical Training Program for Faculty Members	Hassan	Three Day 15 th - 17 th December 2014	TEQIP- II
02	Advancements in Structural Engineering	Hassan	Three Day 8 th - 10 th July 2021	ASCE – IS SR
03	Performance Enhancement of RC and Steel Structures For Fire and Corrosion	Chennai	Three Day 24 th - 26 th November 2021	-----
One Month				
01	Computer Aided Analysis and Design of Structures. Organised by Structural Engineering Research Center, Chennai	Chennai	22 nd Jan – 21 st Feb 2018	CSIR-SERC
02	Concrete Mix Design and Modern Construction Materials	Chennai	21 st May – 12 th June	CSIR-SERC
Two Week				
01	Introduction to Research Methodologies. Organised by Indian Institute of Technology, Bombay	Dharwad	25 th June -4 th July 2012	MHRD
02	Technology for Design, Modelling and Production of Composite Structures. Organised by Government Engineering College. Hassan	Hassan	27 th Jan -8 th Feb 2014	AICTE
03	Digital Transformation in Teaching Learning Process	Bombay	6 th – 22 nd April 2020	MHRD
One Week				
01	Comprehensive Course on Solar PV System design, Installation and Trouble Shooting.	Hassan	18 th -22 nd November 2013	TEQIP- II (MHRD)

02	Analytical and Numerical Techniques in Applied Mathematics and Engineering. Organised by Department of Mathematics, MCE, Hassan.	Hassan	28 th July -2 nd August 2014	TEQIP II
03	Advanced Surveying and Mapping by using Total Station and GPS. Organised by Department of Mathematics, MCE, Hassan.	Hassan	16 th -21 st December 2013	TEQIP II
04	Recent Advances in Traffic Engineering and Transportation Planning. Organised by Department of Mathematics, MCE, Hassan.	Hassan	8 th – 13 th December 2014	TEQIP II
05	Advanced Surveying by using Total Station	Mandya	29 th July -3 rd August 2013	TEQIP II
06	Challenges in Non conventional Energy Sources	Hassan	9 th – 13 th April 2018	TEQIP II
06	Materials for Sustainability of Transportation Infrastructure.	Jaipur	1 st -5 th Feb 2022	-
07	Recent and Emerging Trends in Structural Engineering	Lucknow	28 th Feb – 5 th March 2022	-
08	Structural Dynamics and Earthquake Resistant Design of Structures	Hassan	14 th -19 th December 2020	AICTE
09	Outcome Based Education	Hassan	19 th -23 rd September 2022	-
10	QS India Summit	Chennai	8 th -11 th February 2024	-

Conferences / Workshops/ Seminars Conducted:

SN	Date	Title of Workshop Conducted
1	7 th -8 th Nov. 2015	Preparation for GATE in Civil Engineering

2	29 th Nov – 1 st Dec 2016	Preparation for GATE in Civil Engineering
3	27 th April 2018	TEQIP III Sponsored Three Day Workshop on CYPECAD-Software for Architecture, Engineering and Construction.
4	11 th -13 th Oct. 2019	TEQIP Sponsored Three Day Workshop on Preparation for GATE in Civil Engineering
5	1 st -2 nd Nov. 2019	TEQIP Sponsored Two Day Hands on Training Workshop on Geotechnical Engineering Laboratory and Its Usage in Design.
6	22 nd -23 rd Jan. 2020	Two day workshop on Structural Dynamics and Earthquake Engineering Laboratory Applications
7	14 th to 19 th December 2020	One Week AICTE Sponsored STTP on Structural Dynamics and Earthquake resistant Design of Structures.
8	10 th April 2021	Technical talk on An overview on Research in Structural Engineering by, Dr S. Sundar Kumar, Senior Scientist CSIR-SERC Chennai.
9	21 st May 2022	Technical talk on Concept of Corrosion behaviour of steel and its concepts in reinforced concrete by Mr. Ronald Joseph, Scientist, CSIR-SERC Chennai
10	10 th -11 th June 2022	Two Day Workshop on Preparation for GATE in Civil Engineering.
11	8 th September 2022	One Day Workshop on RCC detailing and Modelling aspects in Earthquake Engineering.
12	19 th -23 rd September 2022	One Week Faculty Development Programme on Outcome Based Education.
13	31 st March 2023	Technical talk on Career Counselling for Civil Engineers by, Dr S. Sundar Kumar, Senior Scientist CSIR-SERC Chennai.
14	15-16 th May 2023	Two day workshop on Application of Finite Element Analysis in ABAQUS Modelling.
15	18 th December 2023	Technical Talk on Displacement Placed Design of Buildings
16	30 th Jan 2024	An invited Talk on Career Path for Engineers in Engineering Software Field.
17	12-13 th February 2024	Unlock your Future: Two day Interview mastery workshop
18	14 th February 2024	Training program on Safety Measures for non teaching faculty Members
19	15-16 th May 2024	Two day software certification training programme on SKETCH UP

Details on Technical Tour / Industrial Visits Organised:

SN	Duration of the Technical Tour	Visited Places
1	25 th -26 th Nov. 2017	The Ramco Cements Limited, Mathodu, Hosanagara Taluk, Chitradurga District.
2	21 st – 22 nd March 2018	Visited Structural Engineering Research Center Chennai.
3	4 th -5 th April 2019	Industrial Visit-RMX-New Mangalore Port-Kali Project Dandeli
4	February 2020	Visited Indian Institute of Science, Bengaluru on the occasion of Open Day.
5	12 th February 2021	Visited Yetthinaholey Water Drinking project near Sakaleshpura.
6	24 th February 2024	IISC Bengaluru, open Day Visit

Outreach Programs

1.	NDT Testing of Government Office Building, Irrigation Department in Rajagatta Hassan.	02.02.2024
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MOU

1	1st December 2023	MOU Signing Ceremony with CMTI
2	30 th August 2024	MOU Signing Ceremony with BAI

Patent Publication

1	Date of Publication 29.3.2024	Smart Water Quality monitoring Devices Application number 202441017149A
2	Date of Publication 12.4.2024	Enhanced concrete composites with optimised coir fibre orientation for improved mechanical properties

Details on Remedial Classes Conducted under the TEQIP-II

SN	Duration of the Remedial Classes	Course Title	Number of students get benefitted
1	29 th Nov. 2012 to 24 th Dec. 2012 (25 hours)	Engineering Mechanics CV105	60
2	13 th Oct. 2014 to 4 th Dec. 2014. (60 hours)	Engineering Mechanics CV105	60

**Continuing Education Programme for Practising Engineers
(Delivered a talk in Short term Course for PWD and Irrigation
Department Engineers in MCE Civil Engineering Department)**

SN	Date	Course Title
1	1 st – 5 th Feb 2016	Earthquake resistant Design of Structures
2	5 th – 9 th June 2017	Design of RCC Elements and Detailing
3	18 th -22 nd December 2017	Design and Construction of Bridges
4	6 th – 10 th Aug 2018	Restoration of M.I Tanks
5	16 th -20 th July 2018	Autocad
5	8 th - 12 th July 2019	Quality Control and Concrete Mix Design

Details on Department Consultancy works

Actively Involved in Departmental Consultancy works in testing of below mentioned materials since 2016 till date

SN	Materials Specifications
1	Concrete cubes
2	Bricks and Tiles
3	Course and Fine Aggregates
4	Tests on Steel components
5	Water absorption tests on bricks and aggregates
6	Soil Test

Other Relevant Information

1. Completed Hindi courses such as Prathama and Madhyama in the year 1999-2000.
2. Actively Participated in Blood donation camp organised by Youth Red Cross Wing, MCE, Hassan. Also donated blood 15 number of times and

received a gold medal from the college authorities for donating blood more number of times.

Details on Assignments from the Institute

- Technical club Convener since 2019 till date.
- Survey camp officer held at Mastikatte, Shivamogga District on 23th to 31st Jan. 2012
- Survey camp officer held at Chakranagara, Shivamogga District on 19th to 26th Jan. 2014
- Garden committee incharge during 2015-2017.
- Worked as Sector/ Master Trainer in 16th Parliamentary Elections in Hassan District (Sector-9), Karnataka State from 17.03.2014 to 17.04.2014. Parliamentary election was held on 17th April 2014.
- M.Tech Coordinator Jan 2022 to till date.
- C.I.E. Coordinator of the Department of Civil Engineering from March 2023 to April 2024.
- **NAAC Coordinator College level from 2022 August till date.**
- Survey camp officer held at Revanna Siddeshwara Betta Tiptur, Tumkur District on 1st to 6th April 2024