

CURRICULUM -VITAE

ANUSHA.M

B.E (CIVIL),M.TECH(STRUCTURAL ENGINEERING)

C 001, Master Classic residency, Surabhi layout, Jakkur main road
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Karnataka, INDIA

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CAREER OBJECTIVE:

To gain knowledge, experience & to build a career with leading corporate environment. Seeking full time career with an organization which will permit me to use & contribute my abilities to enhance my knowledge & contribute towards its growth by committed & high quality work.

EDUCATIONAL QUALIFICATION:

Course	Branch	Institution	University / Board	Year of Passing	Percentage
(Ph.D)	STRUCTURAL ENGINEERING	MSRIT research centre	Visveshvaraya Technological University	2018 Registered	Comprehensive Viva Completed
M. Tech	STRUCTURAL ENGINEERING	Reva Institute of Technology and Management, Kattigenahalli, Yelahanka	Visveshvaraya Technological University	2016	72.48
B.E	CIVIL	S.J.C Institute of Technology, Chickballapur	Visveshvaraya Technological University	2010	72.68
PUC	PCMB	Swami Vivekananda Composite PU College, Mallur	Pre-University Education Board Karnataka Secondary Education Examination Board	2006	64.83
SSLC	-	Swami Vivekananda High School, Mallur	Visveshvaraya Technological University	2004	80.48

TECHNICAL SKILLS:

Softwares : AutoCAD, Staad Pro, ABAQUS, MAT Lab, E tabs, & MS-office.

PROJECTS:

- ✚ Structural design of a MULTISTOREY RESIDENTIAL building.
- ✚ Design and Analysis of CHEMICAL HOUSE and Bescom project in Internship program.
- ✚ Experimental Investigation of Structural element using GGBS and recycled coarse aggregate.

WORK EXPERIENCE:

- ✚ Worked for Naveen Consultants & Architects & Engineers as an Architecture Engineer for 3 months.
- ✚ Worked as a Lecturer in SJCIT for a period of 1 Year.(2010-2011)
- ✚ Worked as a Lecturer in SVCE for a period of 1 Year.(2011-2012)
- ✚ Worked as Assistant Professor in REVA University for 4 years.(2012-2016)
- ✚ Worked as Assistant Professor in SVCE for 4.5 years.(2016-2021)
- ✚ Worked as Atria Institute of Technology for 1.5 years.(2021-2022)
- ✚ Presently working as Assistant Professor in NITTE EDUCATIONAL TRUST.(2022)

INTERNATIONAL JOURNAL PUBLICATIONS:

- ✚ Anusha M “ Enhancing sustainability of polypropylene band and bamboo-reinforced structural elements for rural low cost housing” Environment, Development and Sustainability 2022 <https://doi.org/10.1007/s10668-022-02864-9> **SCI , Q1**
- ✚ Anusha M “Assessment of self-compacting concrete without super plasticizer in bridge construction” 9th May 2022 in materials today proceedings, **Elsevier** <https://doi.org/10.1016/j.matpr.2022.04.51>
- ✚ Anusha M “ Modelling using finite element analysis in the structural behavior of bubble deck slab “ Materials Today: Proceedings **Elsevier** 2022, <https://doi.org/10.1016/j.matpr.2022.06.337>
- ✚ Anusha M 1 “**DYNAMIC ANALYSIS OF 4-LEGGED STEEL TELECOMMUNICATION TOWER**” International Journal of Civil Engineering and Technology (IJCIET), Volume 10, Issue 01, January 2019. (**SCOPUS INDEXED**)
- ✚ Anusha M1, Priyanka S2, Syed Faraz Siddique3 and Siddalingesh B Malagi 4 “**A STUDY ON SEISMIC PERFORMANCE OF MULTI-STOREY FRAME USING STEEL PLATE SHEAR WALLS**” International Journal of Civil Engineering and Technology (IJCIET), Volume 9, Issue 4, April 2018.(**SCOPUS INDEXED**)

- ✚ Anusha M, and Gireesha N T. “**Experimental Investigation of Sustainable Concrete Using GGBS and Recycled Coarse Aggregate**”, International Journal of scientific and Engineering Research, Vol 7, issue 7, ISSN 2229-5518, ASET-2016, , July2016.
- ✚ Anusha M 1 and Surendra H J 2 “**Regional Flood Frequency Analysis Using Computer Simulations**”, International Journal of Advanced Engineering, Research and Science (IJAERS), Vol- 4, Issue- 1, Page No:231-235, January-2017.

RESEARCH FUND RECEIVED:

- 1) Received fund from KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY (KSTA) for the project “A feasibility study on Reinforced stabilized earthen block with Brinjal stem fiber for Rural Housing”.
- 2) Received fund from KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY (KSTA) for the project “Civil Engineering development and Applications for Sustainability”.
- 3) Received fund from ABIC of ATRIA INSTITUTE OF TECHNOLOGY for the student innovative project “Sustainable low cost housing technique using polypropylene band and bamboo reinforced structural elements for rural housing”.

PATENTS PUBLISHED :

1) APPLICATION NUMBER: **202144039563**

Title: Inclusion of Natural Available seeds as partial replacement of fine and coarse aggregate for sustainable construction.

Date of Application: 01/09/2021

Date of published: 21/01/2022

2) APPLICATION NUMBER: **2021440448732**

Title: Investigation of Potential use of vegetable based- Brinjal stem fiber in cement composites.

Date of Application: 25/10/2021

Date of published: 28/04/2023

3) APPLICATION NUMBER: **202144055298**

Title: Inclusion of polypropylene band with bamboo for low cost house construction.

Date of Application: 29/11/2021

Date of published: 05/08/2022

COURSES TAUGHT:

Courses Handled at Undergraduate level:

- ✚ Elements of Civil Engineering & Engineering Mechanics
- ✚ Fluid Mechanics
- ✚ Strength of materials
- ✚ Structural Analysis I & II
- ✚ Building planning and drawing.
- ✚ Basic material testing laboratory.
- ✚ Hydraulics & hydraulic Machinery
- ✚ Hydraulics and Fluid Mechanics Lab
- ✚ Transportation Engineering I & II
- ✚ Analysis of Indeterminate Structures.
- ✚ Concrete technology
- ✚ Software Application lab
- ✚ Building materials and construction
- ✚ Design of RCC structural elements
- ✚ Design of Prestressed concrete

COURSES HANDLED AT POSTGRADUATE LEVEL:

- ✚ Structural Dynamics
- ✚ Stability Analysis of structures
- ✚ Special Concrete
- ✚ Research Methodology

UG THESES GUIDANCE:

- ✚ Guided Civil Engineering students of SVCE for their Mini Project Work.
- ✚ Guided Civil Engineering students of SVCE for their Project on Bendable concrete.
- ✚ Guided Civil Engineering students of SVCE for their Project on Mechanical properties of high performance CONCRET USING Waste ceramic tiles and Foundry sand.
- ✚ Guided Civil Engineering students of ATRIA for the project on “Experimental and Numerical Investigation of Polypropylene band and Bamboo reinforced beam for low cost housing”
- ✚ Guided Civil Engineering students of ATRIA for the project on “A feasibility study on Reinforced Stabilized Earthen block with Brinjal stem fiber for rural housing”.

ACHIEVEMENTS:

- 1) Won the 2nd prize in the SRISHTI-State Level engineering students project exhibition competition 2022

Title: Sustainable Low-cost housing technique using Polypropylene band and Bamboo reinforced structural elements for rural housing.

Venue: BMS College of Engineering

Date: 25th- 27th July,2022

Secured 2nd place in Project exhibition event as a part of SRISHTI 2022 (Innovation Exchange)

- 2) Selected for VTU Educational Conclave 2022 (Engineering Excellence)

Title: Sustainable Low-cost housing technique using Polypropylene band and Bamboo reinforced structural elements for rural housing

Venue: Gayathri Vihar, Palace Grounds Bengaluru

Date: 31st July & 1st August 2022

- 3) Won the first prize in Innovative Startup in MoEs Institutions Innovative council regional Meet 2022

Title: Sustainable Low-cost housing technique using Polypropylene band and Bamboo reinforced structural elements for rural housing.

Venue: Reva University

Date: 16th of August,2022

Secured 1st place in Innovation Startup in MoEs Institutions Innovative Council Regional meet 2022

PG THESES GUIDANCE:

- ✚ Guided One M.Tech Student of SVCE for their dissertation work on “Experimental Investigations of Seismic Performance of Steel Plate Shear Wall on Multi storey Building.

WORKSHOPS / SEMINARS PARTICIPATED:

- ✚ Attended two week ISTE WORKSHOP on “ENGINEERING MECHANICS” conducted by IIT Bombay from 26th November to 6th December, 2013 at REVA ITM.
- ✚ Worked as coordinator for one day guest lecture on “Renewable energy by Dr. Suchi Torri, Professor of Kumamoto University Japan, at REVA ITM Bangalore.
- ✚ Participated in Two Days National Workshop on “Disaster Management in India” organized by Dept of Civil Engineering, ON 6th & 7th November-2012, REVA ITM, Bangalore.
- ✚ Organized One Day National Seminar on “Design of Structures using Building Information Modelling (BIM) software-CYPECAD” on 8th November 2016 at SVCE.
- ✚ Organized 6 Days Faculty Development Programme on “ADVANCED SURVEYING” From 23th to 28th January 2017 at SVCE.
- ✚ Attended Three Days National Level Workshop on “STRUCTURAL BEHAVIOUR OF RC ELEMENTS” from 6th to 8th April 2017 at SVCE associated by Indian Concrete Institute and The institute of Engineers.
- ✚ Attended Two Days National Seminar on “SUSTAINABLE WASTE MANAGEMENT: A MOVE TOWARDS CLEAN INDIA” from 19th to 20th of April 2017 at SVCE.

- ✚ Attended, 6th International Conference on “Latest Innovations in Science and, Engineering and Management” on 12th November 2017 “Design of Ground water Recharge System”.
- ✚ Attended One Day National Workshop on “OZONE PROTECTION- An awareness programme” on 13th October 2017 at SVCE.
- ✚ Attended Five Days Faculty Development Program on “CONSTRUCTION PROJECT MANGEMENT USING MSP AND PRIMAVERA” ON 13th to 17th November 2017 at SVCE.
- ✚ Attended 3 days FDP ON “AWARENESS PROGRAMME ON NBA PROCESS” organized by the department of Information Science and Engineering in association with ISTE, New Dehli from 19th to 31st of December 2017 at SVCE.
- ✚ Attended and organized 3 days workshop on “ADVANCES IN PRECAST CONCRETE TECHNOLOGY - ISSUES AND CHALLENGES” from 24 th to 26 th October 2017 at SVCE.
- ✚ Attended and organized AICTE SPONSERED SEMINAR on “Rehabilitation and Retrofitting of Bridges” from 11/04/2018 to 14/04/2018 at SVCE.
- ✚ Attended one day Seminar On “Application of EIA, Remote SENSING and GIS in Environmental Engineering” on 27/03/2018 at SVCE.
- ✚ Organized AICTE Sponsored FIVE Days Faculty Development Programme on VTU TEQIP 1.3 SPONSORED “Outcome Based Education System and NBA Process” 1 st – 5 th , Jan 2020
- ✚ Attended Online Elementary FDP on “Earthquake Resistant Structural systems and design for buildings and structures from 7/6/2021 to 11/6/2021.
- ✚ Attended Online Elementary FDP on “Digital transformation trends in construction industry” from 4/10/2021 to 8/10/2021
- ✚ Attended Online Elementary FDP on “ Structural dynamics and Earthquake resistant design of structures” from 24/08/2021 to 28/8/2021
- ✚ Attended one week short term training program (STTP) entitled with “Behaviour of Structures to extreme events(Fire/Blast/Earthquake/Wind)” conducted by School of Civil Engineering, Vellore Institute of Technology, Chennai from 20th September to 24th September 2021.

LIVE WEBINARS

- 1) Live webinar on “Accelerating Research using Elsevier Tools: Zooming in on UNSDGs” at Atmiya university on 17th june 2021.
- 2) Live webinar on “Accelerating Research using Elsevier Tools: Zooming in on UNSDGs” at Atmiya university on 18th June 2021.
- 3) Live webinar on “Geopolymer concrete-Materials, methods, Properties and Applications on 14th August.

- 4) Live webinar on “Popular science writing organized by DST government of India, Vigyan prasar” on 16th September 2021.

CO-CIRCULAR AND EXTRA CIRCULAR ACTIVITY

Project guidance Symposium cum project Exhibition on Recent Advances in Engineering Science organized by S J C Institute of technology in association with Karnataka Science and Technology Academy on 19th July 2021.

DEPARTMENT RESPONSIBILITIES IN:

1. PROJECT COORDINATOR
2. AICTE ACTIVITY COORDINATOR
3. SCRUTINIZER FOR IA QUESTION PAPERS
4. NAAC CRITERIA 7 MAIN COORDINATOR
5. NBA CRITERIA 2 CO- COORDINATOR
6. NBA CRITERIA 6 MAIN COORDINATOR
7. ABIC COORDINATOR

PERSONAL PROFILE:

- Date of Birth : 4th August 1988
- Father's Name : Manjunath. D.S
- Mother's Name : Jayalalitha.S
- Gender : FEMALE
- Nationality : INDIAN
- Languages Known : Kannada , English ,Telugu and Hindi.
- Strength : Good communication skills , Ability to learn new things quickly , Flexible to any Environment.

DECLARATION:

I hereby declare that the above mentioned information is true to the best of my knowledge and belief.

Place: Yelahanka

(ANUSHA.M)