

# CIRRICULUM VITAE

MANI DEEP VALLURU

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## OBJECTIVE

- To pursue career in the field of Civil Engineering as a Structural Design Engineer.
- To develop good organizational abilities as individual and in group with utmost endeavour.
- To seek ultimate learning experience throughout the life time with academics and practical exposure.

## ACADEMIC BACKGROUND

S.No	Course	Institute/University	Year of Passing	Marks Acquired (%) / CGPA
1	M.Tech (Structural Engineering)	K L University, VIJAYAWADA	2017	8.79
2	B.Tech (Civil Engineering)	JITS College, JNTU KAKINADA	2013	77.28
3	Intermediate	Narayana Junior College, A.P.	2009	85.90
4	Tenth Standard	Vijnana Vihara (EM) School, A.P.	2007	75.83

## PROFESSIONAL EXPERIENCE

**TOTAL EXPERIENCE: 3.5 Years**

S. No	Institute/University	Designation/ Post Held	Duration	
			From	To
1	Sree Dattha Institute of Engineering and Sciences, Hyderabad.	Assistant Professor	July,2013	September, 2015
2	Kakinada Institute of Engineering & Technology, Korangi, Kakinada.	Assistant Professor	14-06-2017	24-10-2019
3	Pragati Engineering College, Surampalem.	Assistant Professor	30-10-2019	Till date

## RESEARCH PAPER PUBLISHED

Mani Deep, V. and Polu Raju, P. (2017), "Pushover Analysis of RC Building: Comparative Study on Seismic Zones of India", International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, Issue 4, April 2017, pp. 567-578.

## M.TECH DISSERTATION

### **PUSHOVER ANALYSIS OF RC BUILDING: COMPARATIVE STUDY ON SEISMIC ZONES OF INDIA**

**Objective:** To analyse, study and design the RC building using Pushover analysis and study is carried out in all the seismic zones of India. SAP 2000 17 software is used for the study.

**Results:** As the seismic zone increases from II to V, base shear and displacement has been increased gradually, indicating the severity of seismic activity. Propagation of hinges from lower story to upper stories leads to collapse of structure. Results indicate that, the damage in a building is limited and columns at lower stories need to be retrofitted or redesigned.

## **B.TECH PROJECTS**

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### **1) DESIGN AND ANALYSIS OF SUPER PASSAGE (Main Project)**

**Objective:** To understand the practical designs and manual calculations of different components of super passage.

**Results:** Flow conditions at different sections of drain and canal are considered and cross sections of different components of super passage were designed.

### **2) STUDY ON HIGH LEVEL BRIDGE (Mini Project)**

**Objective:** To study the drawings of different components of high level bridge like slabs, beams, abutments, piers, wing walls etc.,

**Results:** Inaccurate designs and fixing of reinforcement decreases the life span of the structure. Cross checking the design and repair works or replacement of the components is necessary. Central and state boards should check the construction process at the construction time by the senior engineers whether it is accurate or not. Due to these checks contractors can construct in good manner, so that it will lead to increase the life span of the structures.

## **SOFTWARES**

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|------------------|---------------|
| • AUTOCAD        | • SAFE        |
| • STAAD.Pro.V8.i | • SAP 2000 17 |
| • NISA           | • ANSYS       |
| • E-TABS         | • SKETCHUP    |

## **ACHIEVEMENTS**

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- Qualified **GATE** examination in 2014.
- Qualified **PGECET 2015** and secured **83<sup>rd</sup> rank**.
- Participated in State Level Athletics for **SHOTPUT**.

## **CONFERENCE & WORKSHOPS ATTENDED**

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- International Conference and Exhibition on “Recent Developments in Design and Construction Technologies of Tall Structures”, REDECON 2016, at NIMHANS Convention Centre, Bangalore, November 2016.
- National workshop on “ENVIRONMENTAL IMPACT ASSESSMENT”, on the occasion of World Earth Day, at K. L. University, Vijayawada, Andhra Pradesh, 22<sup>nd</sup> April 2016.
- Attended One Day National Seminar on “SUCCESS IS CHOICE NOT A CHANCE” on 28<sup>th</sup> March, 2017.
- Attended National Workshop on “Emerging Trends in Construction & Structural Design Practices (ETCSDP-2016)” organised by ACCE at K. L. University on 19<sup>th</sup> & 20<sup>th</sup> December, 2016.

## EXTRA-CURRICULAR ACTIVITIES

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- Actively participated in the “Personality Development Workshop” held in Vijnana Vihara School, Nutakki, by Mark’s Academy, Vijayawada during the academic year 2004-05.
- Served as class representative in 8<sup>th</sup> and 9<sup>th</sup> standards.
- Served as School People Leader (SPL) in 10<sup>th</sup> standard during the academic year 2006-07.
  
- Won 1<sup>st</sup> prize in ZONAL MEET SPORTS in SHOTPUT, RUNNING and KABADDI.
- Participated in state level athletic game in SHOTPUT.
- Stood class first in 4 out of 7 semesters in B.TECH and received “MERIT CERTIFICATE” from college secretary in the year 2011.

## PERSONAL DETAILS

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Father Name : Valluru Venkateswara Rao  
Mother Name : Valluru Hema Latha  
Permanent Address : Door No: 2-189,  
Nutakki Post,  
Mangalagiri Mandal,  
Guntur District,  
PIN - 522303, A. P, India.  
  
Date of Birth : 12-05-1991  
Gender : Male  
Marital Status : Married  
Nationality : Indian  
Languages Known : English, Hindi, Telugu (speak, read and write)

## DECLARATION

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I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place:

Date:

(VALLURU MANI DEEP)