

Y.Lakshmi Supriya

13-15-4/6,Ammiraju gari thota,
Bhimavaram-534201,
Email-id : ysupriya06@gmail.com
Mobile No.: 9440649959



EDUCATION

Degree	Specialisation	Institute	Year	CGPA/%
Post Graduation	Computer Aided Structural Engineering	IIIT Hyderabad	2018	7.71
Under Graduation	Civil Engineering	SRKREC,Bhimavaram	2016	8.10
Intermediate	Maths,physics,chemistry	Aditya junior college	2012	95.7
Secondary Education		St'Anns E.M school	2010	88

FIELDS OF INTEREST

- Design of structures
- Earthquake engineering

PROJECTS AND RESEARCH WORK

- **COMPARISION OF ANALYSIS OF RESIDENTIAL BUILDING UNDER IS 1893-2002 AND IS 1893-2016 AND DESIGN UNDER IS 456-2000 AND IS 13920-1993(M-Tech Thesis)(2018)**
 - Analysed a residential building using SAP according to both IS 1893-2000 and IS 1893-2016.
 - Base shear,displacements and storey drifts are compared between both the revisions.
 - The design results are compared according to both IS 456-2000 and IS 13920-1993 which are obtained from STAAD-PRO
- **EQUIVALENT STATIC ANALYSIS OF A BUILDING (M. Tech.)(2017)**
 - Modelled G+5 office building using E-TABS.
 - Equivalent static analysis was done manually and additional torsional forces are calculated.
 - Found out moment curvature curve for particular beam and P-M interaction curve for a columnn.
- **RESPONSE SPECTRUM AND TIME HISTORY ANALYSIS OF A BUILDING (M. Tech.)(2017)**
 - G+5 office building was modelled using SAP and analysis was calculated using MatLab.
 - Response spectrum and time history graphs are generated using MatLab.
- **ANALYSIS OF BRIDGES (M. Tech.)(2017)**
 - Analysed deck of the cable stayed bridge in STAAD-PRO and found out maximum bending moment and shear forces.
 - Analysed Deck slab in STAAD-PRO and design is done manually considering the maximum shear forces and bending moments.
- **EVALUATION OF FACTOR OF SAFETY MAP AGAINST LANDSLIDES (M. Tech.)(2017)**
 - Modelled soil profile in Kalimpong in Darjeeling district(Study area)
 - Analysed using r.slope.stability and evaluated a map representing factor of safety for that area.
- **SOIL AND FOUNDATION INTERACTION USING CYCLIC TP (M-Tech)(2017)**
 - Studies were done regarding the interaction between soil and foundation of a building by applying earthquake ground motion.
 - Calculated the stresses acting on each layer of soil.
- **CALCULATION OF CARBON SEQUESTRATION AND GROUND BIOMASS USING REMOTE SENSING (M. Tech.)(2016)**
 - The raw map collected from earth explorer was analysed using ILWIS and QGIS and maps of NDVI

are generated.

- Data from NDVI maps was compared with previous census data of carbon levels for that particular area.

- **QUALITY IMPROVEMENTS IN RURAL ROADS (B.E project)(2016)**

- Conducted various strength tests such as CBR, UCC,IS light compaction tests on different soils samples in the study area.
- Suggested suitable solutions considering recent trends depending up on cost,traffic in that area.

TECHNICAL SKILLS

- **Scripting**

- C-Language
- MatLab

- **Softwares**

- SAP
- STAAD-PRO
- Auto CAD
- MS excel
- QGIS
- ILWIS

INTERNSHIP AND WORK EXPERIENCE

- Presently working as Assistant professor in SRKR engineering college,Bhimavaram from june,2018.
- Worked as an intern in Satyavani consultancy,Hyderabad(January'18-April'18)
 - Modelled and analysed a residential building in STAAD-PRO and created excel sheets for designing purpose.
 - Comparing the analysis results of a G+4 building according to IS 1893-2002 and IS 1893-2016.

CO-CURRICULAR ACTIVITIES

- Participated in one day national seminar on seismic codes(IS 1893 and IS 13920 Recent Revisions and Impact on Designs) on 28th April,2018.
- Attended one week faculty development program on research methodology organised by Mechanical department held at SRKR Engineering college during 8th to 12th july,2019.
- Secured silver Certificate in Geotechnical engineering I in twelve week nptel course during Jan-april 2019
- Secured Gold Certification in Reinforced Concrete Structures I in twelve week Faculty Development programme conducted by NPTEL-AICTE during july-october 2019

STRENGTHS

- Adaptability
- Postive Attitude
- Hardworking.

DECLARATION

- I hereby declare that the above mentioned information and particulars are correct to the best of my knowledge.

Yerramsetty Lakshmi Supriya