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EDUCATION

Degree	Board	CGPA/Percentage	Year
Ph.D	Indian Institute of Technology, Madras	Pursuing	2021-Present
M.Tech	Indian Institute of Technology, Guwahati	8.85	2019-2021
B.Tech	JNTU, Hyderabad	9.23	2015-2019
Senior Secondary	Board of Intermediate Education, Telangana	97.4%	2013-2015
Secondary	Board of Secondary Education, Telangana	9.2	2013

RESEARCH INTEREST

Different applications of C&D waste in concrete
Rheology & microstructural analysis of concrete
3D-Concrete printing
Properties and performance of concrete

PROJECTS

- **Effect of precursor materials and alkaline activator on microstructure and corrosion behavior of reinforcing steel in geopolymer concrete** (*M.Tech project*) *July 2020-May 2021*
Dr.Bulu Pradhan, Professor, Dept.of Civil Engineering, IIT Guwahati
Effect of different blends of fly ash and ground granulated blast furnace slag (GGBS), molarity of NaOH solution and admixed sodium chloride (NaCl) concentration on workability, compressive strength, microstructure, and corrosion behavior of reinforcing steel in geopolymer concrete (GPC) have been investigated.
- **Effect of Air Quality Parameters in Hyderabad and Mapping Using Q-GIS and Detection Management Software** (*B.Tech major project*) *Dec 2018-Apr 2019*
This project mainly focuses on the determination of particulate matter (PM), carbon dioxide, carbon monoxide, relative humidity (RH), temperature, volatile organic compounds (VOC), and dewpoint in the eleven most polluted areas in Hyderabad using equipment (3MTM EVM series) environmental monitor.
- **Influence of nano silica on compressive strength and durability of self compacting concrete** (*B.Tech mini project*) *Dec 2017-May 2018*
Dr.V.Srinivasa, Professor, Dept.of Civil Engineering
In this project, M30 grade SCC was developed using Nan-Su mix design. Slump flow, J-Ring, V-Funnel, and L-Box tests were conducted to study the fresh state properties of SCC as suggested by EFNARC specifications. Cubes were cast with nano-silica and without adding nano silica to study SCC's mechanical and durability properties. The form of nano-silica used for the study is colloidal form. Nano silica was added in different percentages (0.5%, 1%, and 1.5%) to cement mortar specimens to determine the optimum nano-silica dosage for SCC. Superplasticizers and mix quantities are revised to satisfy flow properties as per EFNARC Guidelines.

PUBLICATIONS AND PRESENTATIONS

- **Journal Papers**
 - Effect of Air Quality Parameters in Hyderabad and Mapping Using Q-GIS and Detection Management Software, IJITEE, Volume-9, Issue-1, PP- 73-27, ISSN: 2278-3075 - Nov-19.
- **Poster presentations**
 - Poster presented in Young Researchers Symposium 2023 held at IIT Madras on 31st January 2023 as a part of TLC2 (Technologies for Low Carbon & Lean Construction) workshop.
 - * Title: Assessment of CO₂ uptake potential of Waste Concrete Fines (WCF)

AWARDS AND ACHIEVEMENTS

Prime minister's research fellowship (PMRF) : Issued by Ministry of Education (MOE). Associated with Indian Institute of Technology Madras (Aug 2021-Present).

Teaching Assistantship : Issued by Ministry of Human Resource Development (MHRD). Associated with Indian Institute of Technology, Guwahati (Jul 2019-Jul 2021).

National scholarship : Issued by Ministry of Electronics Information Technology, Government of India. Associated with under graduation (Aug 2015-May 2019).

GATE 2019 : Secured All India Rank in top 5.5% among 0.145 million candidates appeared for the test.

UN World Water Day : Awarded Second place in Elocution among 60 participants in B.Tech (2016).

TS Scholarship : Awarded by the Government of Telangana. Associated with school education (2010-2013).

POSITIONS OF RESPONSIBILITY

- Vice Secretary :** Selected as a Vice secretary of Indian Concrete Institute (ICI) (2017-2018) at the college level
Anti Ragging Squad : Served as an anti-ragging squad in the undergraduate (2015-2019) studies to stop ragging
Class representative (CR) : Elected as a class representative in B.Tech (2017-2019)
Games people leader (GPL) : Elected as a games people leader in secondary education (2012-2013)

TECHNICAL SKILLS

- **Programming:** C language, java, html
- **Software packages:** Stad pro, Q-CAD, Q-GIS, MS Project, Primavera, Latex
- **Miscellaneous:** Microsoft Technology Associate (Networking Fundamentals), Microsoft office

EXPERIENCE

- **Teaching assistant (TA):** Worked as a TA for an Engineering Mechanics course in M.Tech *Jan 2021-May 2021*
 - Place of work: Indian Institute of Technology, Guwahati
- **PMRF TA work:** Worked as a PMRF TA for the course Safety in Construction *Jan 2022-May 2022*
 - Place of work: Safety in Construction NPTEL course offered by Indian Institute of Technology, Delhi
 - Nature of work: This will have a weekly live session to answer doubts and solve some questions from weekly lectures
- **PMRF TA work:** Worked as a PMRF TA for the course Soil Mechanics *July 2022-Dec 2022*
 - Place of work: Soil Mechanics/Geotechnical Engineering-I NPTEL course offered by Indian Institute of Technology, Kharagpur
 - Nature of work: This will have a weekly live session to answer doubts and solve some questions from weekly lectures
- **PMRF TA work:** Worked as a PMRF TA for the course Basic Construction Material *Jan 2023-July 2023*
 - Place of work: Basic Construction Materials NPTEL course offered by Indian Institute of Technology, Madras
 - Nature of work: This will have a weekly live session to answer doubts and solve some questions from weekly lectures

EXTRACURRICULAR

Member of Indian Concrete Institute.

Volunteered in organizing International Conference on Materials Processing and characterization 2016.

Industrial visit to Preca industries in Hyderabad.

Participated in Two days workshop on "Modern Developments In Concrete And Building Technology".

Participated in Youth Convention Shraddha organised by Vivekananda Institute Of Human Excellence.

Participated in all India General Awareness Examination conducted by Education Foundation Hyderabad.

REFERENCES

Prof. Ravindra Gettu

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