

- **PROFILE –**

Mr. POLINA VVSSR KRISHNA, Assistant professor at Gokaraju Rangaraju Institute of Engineering and Technology. He completed his Bachelor of Technology from Chaitanya Institute of science and technology, Kakinada affiliated to JNTU Kakinada in Civil engineering in the year of 2013 with Major Project in the area of ANALYSIS AND EXECUTION OF ROADWORK AND DRAINAGE DESIGN.

He did his Master of technology in Structural Engineering from Bapatla Engineering college affiliated to Acharya Nagarjuna university, Guntur. His post-graduation thesis was “**An Experimental Study on Fracture Parameters of Steel Fiber Reinforced Concrete**”. His Research interests are in Fracture mechanics of concrete, concrete technology, strength of materials. He is familiar in softwares like AUTOCAD,STAAD Pro,E-TABS

He has attended several online courses like NPTEL online course of 8 weeks in Plastic waste management, Successfully completed FDP (Faculty Development Programme) FDP101x and FDP102x conducted by IIT BOMBAY in 2018 and he attended various FDPs and workshops conducted in and out of the campus”.He has successfully completed 1 COURSEERA Course

He has published 2 Scopus Papers and 1 SCI Journal, 1 national Journal, 4 National conferences



Contact

Mr. POLINA VVSSR KRISHNA

Assistant Professor

Department of Civil Engineering

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Curriculum Vitae

Education Details:

M.Tech. in Structural Engineering at Bapatla Engineering College, Bapatla

Passing Year: 2015

CGPA: 8.95

B.Tech. in Civil Engineering at Chaitanya Institute of science and Technology, Kakinada

Passing Year: 2013

Percentage: 74.85%

Intermediate (M.P.C) at Sri Chaitanya Jr. Kalasala, Rajahmundry

Passing Year: 2009

Percentage: 89.5%

S.S.C at Sri Vignan Public school, Rajahmundry

Passing Year: 2007

Percentage: 83.18%

Experience:

- Assistant Professor at Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad from 20th December 2017 - till date.
- Worked as an Assistant Professor in Nalla Malla Reddy Engineering college, Divya nagar , Hyderabad from 12th July 2017 to 16th Dec 2017.
- Worked as an Assistant Professor in CVR College of Engineering , Vastunagar , Mangalpalli , Ibrahimpatnam , Telangana from 18th March 2016 to 30th June 2017.

Other Academic Contributions:

- Department Green campus coordinator
- Major project coordinator
- Department NAAC Criteria 2 and Criterial 6 incharge
- NAAC & NBA File coordinator
- Class Coordinator for IV year Section-B
- Faculty Publications coordinator
- Involved in all NBA and NAAC inspections

Major Career Interests:

Fracture mechanics of concrete

concrete technology

strength of materials

Special Concretes

RCC

Association with Professional Bodies

1. Life Time member for **Indian society for Theoretical and Applied Mechanics (ISTAM) L/1082**
2. **International Association of Engineers(IAENG) 219569**

Research Interests:

Fracture mechanics of concrete

concrete technology

strength of materials

Subjects Taught:

- Green building technology
- Engineering Mechanics
- Theory of elasticity and plasticity
- Earthquake Resistant and design of buildings
- AUTOCAD lab
- Structural engineering lab
- Advanced CAD lab
- Concrete Technology lab
- Engineering geology
- Engineering geology lab
- Highway Materials lab
- CASE Lab

Journal Publications/Conference Proceedings:

International Journals	1
National Journals	1
International Conferences	2
National Conferences	3
Total =	7

ACHEIVEMENTS AND AWARDS

INVITED LECTURES:NIL

PROFESSIONAL PROGRAMS ATTENDED:

- A Two day workshop on Modern developments in Concrete and Building technology held from 2nd and 3rd February 2018 at GRIET, Bachupally, Kukatpally, Hyderabad, Telangana.
- Participated in Faculty Development Program (FDP 201X) on on Pedagogy for Online and Blended Teaching Learning Process , conducted by IIT Bombay during May 3 –May 30, 2018
- Participated in Faculty Development Program(FDP 101X) on Foundation program in ICT for Education , conducted by IIT Bombay during Mar 08-April 12, 2018
- A Two-day Faculty Development Programme on Glimpses of World Class Innovations in the Realm of Civil Engineering” held on 19th & 20th January 2018 at Ashoka Institute Of Engineering and technology, Malkapur (V), Yadadri-Bhongir (D), Telangana.
- A Two-day workshop on Behaviour of Composite Materials held on 23rd & 24th December 2016 at CVR College of Engineering, Vastunagar, Mangalpalli, Ibrahimpatnam, Telangana.\
- FDP on “Building Information Modelling using Revit Application in civil engineering” from 30-11-2018 to 06-12-2018 by GRIET Hyderabad
- STTP through ICT mode on Evaluating students performance and designing question papers organised by nitttr-Kolkata from 25-02-2019 to 01-03-2019
- National Conferences on recent advances in Civil Engineering by JNTUH ON 05-07-2019
- FDP on "Faculty Induction Program-2019 organised by GRIET from 24-06-2019 to 29-06-2019
- One day National conference on Recent Innovations in civil engineering materials(RICEM 2019) by GRIET on 17-08-2019.
- STTP through ICT mode on Principles of RCC Design upto&beyond Limit states,Applications,IS 456-2000 organised by nitttr-Kolkata from 16-09-2019 to 20-09-2019
- AICTE Margadarshan FDP on "Outcome based Education" organized by GRIET from 02-12-2019 to 07-12-2019.
- “AICTE 3 Days Faculty Development programme for student Induction(FDP-SI) by AICTE FROM 19-12-2019 TO 21-12-2019
- FDP One Week AICTE MARGDARSHAN FDP on Art of Writing Papers and Research Methodologies during 07 - 13 May 2020.(GRIET)

- Faculty Awareness Program on NAAC Accreditation” Organized by RD’s S Chhatrapati Shivajiraje College of Engineering, Dhanganwadi, Pune-412206 conducted online during the period of 10/05/2020 to 15/05/2020.
- FDP on “Research Challenges and Opportunities Post COVID-19 (RECOP 2020)” organized by Research & Development Cell and Institution’s Innovation Council of Sri Vasavi Engineering College (Autonomous) during 4-9 May 2020
- Faculty Development Program on “RECENT ADVANCES IN CONCRETE TECHNOLOGY & SUSTAINABLE INFRASTRUCTURE” Organised by Department of civil engineering during 21 – 23 May,2020.
- One day workshop on Recent advances in Structural Engineering(RASE-2020) Organised by JNTU Anantapur on 30th May 2020.
- FDP on “Innovative technologies in civil engineering and applications(ITCA) Organised by St.Peters Engineering college from 1st June to 5th June 2020.
- FDP on “Technologies for Infrastructure Planning, Design, Monitoring and Management”Organised by NMREC,Hyderabad from 16-06-2020 to 20-06-2020.
- FDP on “EMERGING TECHNOLOGIES IN CIVIL ENGINEERING ASPECTS” Vageswari college of Engineering , Karimnagar from 22-06-2020 to 26-06-2020
- One Week Short Term Training & Faculty Development Program on "Recent Advancements in Civil Engineering: Challenges and Future Perspectives-Part II" Organised by Sri Vishnu engineering college for women. from 22-06-2020 to 27-06-2020.
- Online Faculty Development Programme on “Water Resources Management” organised by the Department of Civil Engineering, GMR Institute of Technology, Rajam, Andhra Pradesh during 15th to 19th July, 2020.
- Webinar on "NAAC Assessment and Accreditation Process" held on 03rd July, 2020 organized by UGC-HRDC, JNTUH, Hyderabad, Telangana State.
- Five day International webinar(TEQIP-III) on “climate change impact on water resources management from 15th July to 19th July 2020 by Andhra University
- Online Faculty Development Programme On “SUSTAINABLE DEVELOPMENTS IN CIVIL ENGINEERING” held from 3rd to 8th August 2020 organised by vidyavardhaka college of Engineering ,Mysuru.
- AICTE Training And Learning (ATAL) Academy Online FDP on "Earthquake Coursera Initiating and planning projectsEngineering" from 2020-9-21 to 2020-9-25 at NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHENNAI Institute Address.

- FDP On “Smart Solutions in Civil Engineering” Organised by SRM,Ramapuram from 21-07-2020 to 23-07-2020.
- A 4 Week Coursera course on “ Initiating and planning projects” from 15-06-2020 to 16-07-2020.
- Two day International conference on CIVIL ENGINEERING ASPECTS FOR SUSTAINABILITY(ICONCES-2020) by GRIET FROM 28-02-2020 TO 29-02-2020

Sponsored Projects

Publications

LIST OF PAPER PUBLICATIONS

Scopus Indexed

1. V.Srinivasa Reddy,**Polina vvssr Krishna**,G.Sai Karthik,G.Shrihari, “Assessment of Corrosion inhibiting efficiency of Microbes induced concrete:”E3S Web of conferences ICMED 2020.
2. **Ch.Naga Satish Kumar, P.V.V.S.S.R. Krishna** and D.Rohini Kumar(2017), “Effect of fiber and aggregate size on mode-I fracture parameters of high strength concrete” Techno press-Advances in concrete construction, Vol.5,No.6,ISSN: 2287-5301
December 2017, pages 613-624.

SCI Indexed

1. **Ch.Naga Satish Kumar, P.V.V.S.S.R. Krishna** and D.Rohini Kumar(2017), “Effect of fiber and aggregate size on mode-I fracture parameters of high strength concrete” Techno press-Advances in concrete construction, Vol.5,No.6,ISSN: 2287-5301
December 2017, pages 613-624.

JOURNALS:

❖ INTERNATIONAL:

1. **Ch.Naga Satish Kumar, P.V.V.S.S.R. Krishna** and D.Rohini Kumar(2017), “Effect of fiber and aggregate size on mode-I fracture parameters of high strength concrete” Techno press-Advances in concrete construction, Vol.5,No.6,ISSN: 2287-5301
December 2017, pages 613-624

❖ NATIONAL:

1. **P.V.V.S.S.R.Krishna,SreenathMahankali(2016),**”Investigation on Effects of Nonlinear Static Procedures on High Rise Buildings”, CVR Journal Of Science And Technology,VOL-11,ISSN 2277-3916, December 2016,pages 13-17

CONFERENCE PROCEEDINGS:

❖ INTERNATIONAL:

1. PVVSSR Krishna, Y. Kamala Raju, Mohd. Gouse mohiuddin, G. Rahul, Ch. Usha kiran (2019) "Soil Strength Enhancement By Adding Of Fly Ash" National Conference on Recent Innovations in Civil Engineering Materials (RICEM-2019) on 17th Aug 2019, Department of Civil Engineering, GRIET, Hyderabad, PP 4-10. ISBN 978-93-5361-946-6

❖ NATIONAL:

1. **Mr.Rathod Ravinder** , C.Vivek Kumar, Akula prakash, A.Vittaalaiah & P.V.V.S.S.R Krishna (2019) "Strength Characteristics Of Fibrous Self Curing Concrete Using Super Absorbent Polymer" National Conference on Recent Advance in Civil Engineering , organized by JNTUH CE, ISBN No. 978-93-8830-599-0 pp:21-25
2. PVVSSR Krishna, Y. Kamala Raju, Mohd. Gouse mohiuddin, G. Rahul, Ch. Usha kiran (2019) "Soil Strength Enhancement By Adding Of Fly Ash" National Conference on Recent Innovations in Civil Engineering Materials (RICEM-2019) on 17th Aug 2019, Department of Civil Engineering, GRIET, Hyderabad, PP 4-10. ISBN 978-93-5361-946-6
3. **Chandana Sukesh, D. Kishore Babu, Polina V.V.S. Sivarama Krishna** and C. Ravi Kumar Reddy(2014),"Experimental Investigation on the Performance of Concrete with GGBS as Admixture at Complete Replacement of Fine Aggregate with Steel Slag" National Conference on Advances in Civil Engineering and Infrastructure Development ACEID-2014, Vasavi College of engineering, Hyderabad, 6 - 7 February, 2014. Pp.49

Books /Chapters:NIL

PhD Supervision:NIL

Professional Work

1. Organizer for the Two-day workshop on Modern developments in Concrete and Building technology held from 2nd and 3rd February 2018 at GRIET,Bachupally, Kukatpally, Hyderabad, Telangana.
2. Organizer for SPICES 2019
3. Department Green campus coordinator
4. Major project coordinator
5. Department NAAC Criteria 2 and Criterial 6 incharge
6. NAAC & NBA File coordinator
7. Class Coordinator for IV year Section-B
8. Faculty Publications coordinator
9. Involved in all NBA and NAAC inspections

Visits Abroad