

Profile

Name of the Faculty : **Dr.B.KRISHNA CHAITANYA**
Designation : Assistant Professor
Date of Birth : 26-05-1991
Date of Joining in the college : 14-12-2015.
Qualifications : B.Tech, M.Tech ,Ph.D
Area of Specialization : Civil & Structural Engineering
Total Experience : 8years 6Months



Qualification

B.Tech Civil Engineering Mallineni Perumallu College of Engineering (2009-2013).
M.Tech Structural Engineering R.V.R& J.C College of Engineering (2013-2015).
Ph.D Civil & Structural Engineering Annamalai University (2018-2023).

Patent Details:

S.No.	Patent No.	Title Of the patent	Details of Applicants and inventors	Remarks
1.	202341079584A	Deep Monitoring system to Forecast defects in a building and provide alerts to builders	1).R.V.R& J.C College of Engineering 2)Dr.M.L.N.KrishnaSai 3) Dr.B.KrishnaChaitanya 4)Mrs.N.Tejaswini 5)Mrs.P.Srilakshmi	Filed on: Nov 2023 Published on: Dec 2023
2	202041057020 A	Method for Compressive Strength Determination of Crushed Rock Concrete	1)Dr.N.VenkataSairamKumar 2)Dr.K.S.Sai Ram 3)Dr.M.Rama Rao 4)Dr.A.Srinivasa Prasad 5)Mr.R.Surendra Babu 6)Mr.M.L.N.Krishna Sai 7)Mr.S.V.Satyanarayana 8)Mr.R.Vaishnava Kumar 9)Mr.B.Krishna Chaitanya 10)Mrs.Y.Madhavi	Filed on: Dec2020 Published on: Jan2021

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GOOGLESCHOLAR

Link: https://scholar.google.com/citations?user=9VS8_6sAAAAJ&hl=en

RESEARCHGATE

Link:https://www.researchgate.net/profile/Bypaneni_Chaitanya

PUBLONS

LINK:<https://publons.com/researcher/4106572/bypaneni-krishna-chaitanya/>

Research Interest:

1. Bacteria based Self Healing Concrete techniques.
2. SCC, FRC,UHPC, GPC with Sustainable Materials.
3. Repair &Rehabilitation of structures.
4. Nano-materials Behavior in concrete
5. Low carbon emission materials in concrete

Industry Experience:

1. Worked as Graduate Engineer Trainee in IJM Corporation Construction Company, at NH16, for 6 months in 2013.
2. Worked as internship in "Special repairs to Kurnool-Guntur Road at chainage of 243.400 Km to 245.600 Km at Narasaraopet in Guntur District"- M/s. Ragavandara Constructions, Chillakaluripet.


Teaching Experience:

1. Worked as Assistant Professor in Civil Engineering, Tirumula College of Engineering, Guntur for 6 months.
2. Working as Assistant Professor in Civil Engineering, RVR&JC College of Engineering, Guntur from 14-12-2015 to till date.

Awards/Appreciation

1. We would like to take this opportunity to express our Most Sincere and Heartfelt Thanks to Prof./Dr./**Mr.Bypaneni Krishna Chaitanya** from R.V.R& J.C COLLEGE OF ENGINEERING (A) for outstanding contribution as a Reviewer and Member of Scientific Committee of "2nd International Conference on Aspects of Materials Science and Engineering" ICAMSE2021 organized by Panjab University Chandigarh on 05th - 06h March, 2021 at Hyatt Regency, Chandigarh, India.

Events organized:

1.  Dr.K.S.Sai Ram, M.L.N.Krishna Sai, N.Venkata Sairam Kumar, B.Krishna Chaitanya, organized AICTE sponsored one week online short term training program phase-II on 'Repair and Rehabilitation of Structures', held from 30.11.2020 to 05.12.2020,by the Department of Civil Engineering, R.V.R & J.C College of Engineering, Guntur.

Guest lecture Delivered

1. **Bypaneni Krishna Chaitanya** has given a guest lecture for “ JSW Eklavya Training for Engineers ” in association with JSW steel with Labour Net on 19th June, 2023 at Narasaraopet, Palnadu district, Andhra Pradesh.
2. **Bypaneni Krishna Chaitanya** has given a guest lecture on Utilization of Industrial Waste Materials for Sustainable Management organized by P.V.P Siddhartha Institute of Technology (Autonomous), Department of Civil Engineering, Vijayawada, Andhra Pradesh.

Internal Research Projects

- Research project on “Study on flow properties of fiber-reinforced self-compacting concrete”, of **Bypaneni Krishna Chaitanya** and M. L. N. Krishna Sai is in progress.

Industrial Research Projects

- Research project on “Design and analysis of a high rise building with different plan configurations using ETABS software” of **Bypaneni Krishna Chaitanya** and M.L.N. Krishna Sai is in progress.

Papers published

In Journals

1. **Bypaneni Krishna Chaitanya**, Madupu.L. N. K. Sai, S. V. Satyanarayana. Experimental Study on Fresh and Mechanical Properties of Crimped Steel Fibers in Self-compacting Concrete. JOURNAL OF POLYMER & COMPOSITES. STM JOURNALS. **(SCIE)**
2. **Bypaneni Krishna Chaitanya** , Ilango Sivakumar. Experimental investigation on bond behaviour, durability and microstructural analysis of self-compacting concrete using waste copper slag. Journal of Building Pathology and Rehabilitation. Springer International Publishing. **(Scopus Indexed)**.
3. **Bypaneni Krishna Chaitanya** , Ilango Sivakumar. Flow-behaviour, microstructure, and strength properties of self-compacting concrete using waste copper slag as fine aggregate. Innovative Infrastructure Solutions. Spring Nature. **(Scopus indexed) (Web of Science Indexed)**.

4. **Bypaneni Krishna Chaitanya**, Ilango Sivakumar. 'Influence of waste copper slag on flexural strength properties of self compacting concrete, Materials Today: Proceedings (**Scopus indexed**) (**Web of Science Indexed**).
5. **Bypaneni Krishna Chaitanya**, Chunchu Bala Rama Krishna, R.Vaishnav Kumar, N Venkata Sairam Kumar, S. Srikanth reddy. 2020. Feasibility And Performance Of Bacteria Based Self- Healing Mechanism In Concrete. Journal of Critical Reviews, 7 (18),765-769. [doi:10.31838/jcr.07.18.102](https://doi.org/10.31838/jcr.07.18.102).
6. S. Srikanth, Sd. O.Ballari, U. M. Shree Raksha, Ch.Bala Rama Krishna and **Bypaneni Krishna Chaitanya**, " Road crossing behaviour of pedestrians at uncontrolled intersections" International Journal of Future Generation Communication and Networking, Vol. 13(3),2990-3001, 2020.

In National Conferences:

1. **Bypaneni Krishna Chaitanya**, R.Vaishnav Kumar, M.L.N.Krishna Sai, S.V.Satyanarayana entitled "To Study the Feasibility and Performance of Bacteria based Self- Healing Mechanism in Concrete" in two day National conference on Advances in sustainable construction materials organised by NITW during 15-16 march ,2019.
2. **Bypaneni Krishna Chaitanya**, R.Vaishnav Kumar, M.L.N Krishna Sai entitled "Study on SCC with replacement of coarse aggregate with LECA on percentage variations" in two day National conference on Advances in sustainable construction materials organised by NITW during 15-16 march ,2019.

In International conferences:

1. **Bypaneni Krishna Chaitanya**, Ilango Sivakumar. "Influence of waste copper slag on flexural strength properties of self-compacting concrete". Second International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2020), Velalar College of Engineering and Technology, Erode, Tamil Nadu, 20-21, November 2020.
2. **Bypaneni Krishna Chaitanya**, R.Vaishnav Kumar, LNK Sai Madupu, N.Venkata Sairam Kumar. Evaluation of mechanical and flow properties of Crimped steel fiber in self

compacting concrete. 2nd International Conference on Aspects of Materials Science and Engineering (ICAMSE2021). Panjab University, Chandigarh on 5-6th March 2021.

3. Akula Prakash, A.N. Swaminathan, Akoju Ramu and **Bypaneni Krishna Chaitanya**. 'Assessment of strength and durability parameters for concrete with partial replacement of coarse aggregates by iron slag and glass powder as an additive'. 3rd International Conference on trends in Material Science and Inventive Materials (ICTMIM 2021) 12th-13th March 2021, Coimbatore, India.

Workshop/Seminar Program attended:

1. **Bypaneni Krishna Chaitanya**, B. Yellamanda Rao, G. Sanijay, P. Srilakshmi, Y. Naga Mahesh, Two day workshop, "Induction training for young faculty" Indian Society for Technical Education (ISET) Chapter, RVR&JC college of engineering, Chowdavara, Guntur, July 26-27, 2023.
2. **Bypaneni Krishna Chaitanya**, Attended a Three-day Workshop on '**ETABS (Extended Three-dimensional Analysis of Building Systems)**', Department of Civil Engineering, in association with Andhra Pradesh State Skill Development Corporation (APSSDC) organized by RVR&JCCE, Guntur, during November 20-22, 2019.
3. **Bypaneni Krishna Chaitanya**, Attended One day National Workshop on '**Sustainable Materials Techniques**' in Concrete Structures (SMTCS-2019), held at R.V.R & J.C College of engineering, Guntur on 23 February, 2019.
4. **Bypaneni Krishna Chaitanya**, A One day workshop on "**Remote Sensing & GIS**" at KITS organized by IGS Students Chapter and associated with Indian Geotechnical Society, Guntur Chapter, on 29th June 2019.
5. **Bypaneni Krishna Chaitanya**, A National Assessment & Accreditation Council (NAAC) sponsored Two-Day National Level workshop on "**Problem Identification, Research Methodology & Academic Writing**", during 28-29 January 2019 organized by KHIT, Guntur, Ap.

6. **Bypaneni Krishna Chaitanya** ,A Two day National Workshop on "**Construction Technologies For Speedy Construction**" at PVPSIT, Vijayawada on 16th September,2017.
7. **Bypaneni Krishna Chaitanya** ,A Two day National Workshop on '**Applications of Special Concrete in Structural Element**' at VRSEC, Vijayawada on 26th & 27th March 2015.
8. **Bypaneni Krishna Chaitanya**,A Oneday National Seminar on"**Problems Associated With Geotechnics of Expansive Soils**"at RVR&JC, Guntur on 25th January, 2014.

Faculty Development Program/Short Term Training Program attended:

1. **Bypaneni Krishna Chaitanya**, has participated in a 5 day Virtual Faculty Development Program (FDP) on "Sustainable Repair and Rehabilitation of Constructed Facilities" organized by School of Civil Engineering on March 06th – 10 th, 2023 at Vellore Institute of Technology, Chennai, Tamilnadu.
2. **Bypaneni Krishna Chaitanya**, Assistant Professor of RVR & JC COLLEGE OF ENGINEERING participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "**Earthquake Resistant Structural Systems and Design for Buildings and Structures**" from 2021-6-7 to 2021-6-11 at Sri Venkateswara College of Engineering.
3. **Bypaneni Krishna Chaitanya**, One Week online FDP, Recent trends in concrete technology', Annasaheb Dange College of Engineering and Technology, Uran Islampur, Ashta, Maharashtra, July 05-09, 2021.
4. **Bypaneni Krishna Chaitanya**, Assistant Professor, Department of Civil Engineering, RVR&JC College of Engineering(A), participated in International Online Five Day Faculty Development Program on **Soft Computing Techniques in Civil Engineering**(SCTCE-2021), from 27th to 31st May-2021, Department of Civil

Engineering, Malla Reddy Engineering College,(Autonomous) Main Campus

5. **Bypaneni Krishna Chaitanya, AICTE** sponsored One Week Online Short Term Training Program (STTP), Phase-II on "**Repair and Rehabilitation of Structures**" organized by Department of Civil Engineering, R.V.R & J.C College of engineering, Guntur, from 30-11-2020 to 05-12-2020.
6. **Bypaneni Krishna Chaitanya** ,AICTE sponsored One Week Online Short Term Training Program (STTP), Phase-I on "**Repair and Rehabilitation of Structures**" Successfully completed organized by Department of Civil Engineering, R.V.R & J.C College of engineering, Guntur, from 16-11-2020 to 21-11-2020.
7. **Bypaneni Krishna Chaitanya** Three-day National level online faculty development program is participated on "**Advanced Technologies in Civil Engineering (ATCE)**" Dept of Civil Engineering, Tirumala Engineering College, Guntur, June 18-20, 2020.
8. **Bypaneni Krishna Chaitanya** A Faculty Educator Program is participated in IUCEE, conducted by Dr.Claire Komives, San Jose University along with APSSDC, &VIIT, Visakhapatnam, July 12-14, 2018.
9. **Bypaneni Krishna Chaitanya** ,Attended 5 day Skill Development Programme on '**RIVET Structures**' organized by AP State Skill Development Centre (APSSDC), at RVR & JC College of Engineering, during 24-28 October, 2016.
10. **Bypaneni Krishna Chaitanya** A Faculty Improvement Program of One-Week on "MultimediaTools & Utilities through ICT" conducted by NITT&R Chandigarh from 27th to 31st March 2017.
11. **Bypaneni Krishna Chaitanya** A Faculty Improvement Program on "Revit Structure" conducted by APSSDC on 24th to 28th OCT 2016.
12. **Bypaneni Krishna Chaitanya** A Faculty Development Programme on "Computer Oriented Applications In Civil Engineering" at VNRVJIET, Nizampet, and Hyderabad on

16th to 28th May 2016.

13. **Bypaneni Krishna Chaitanya** A Two week ISTE STTP on "Introduction To Structural Engineering" conducted by IIT Kharagpur on 30th November 2015 to 9th January 2016.

ContactDetails:

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