

Name : Boppana.Narendra Kumar
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Experience (in years): Teaching: 14 years Research: 5 Others (If any, Specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
01	B.Tech	2001	Civil Engineering
02	M.Tech	2003	Structural Engineering
03	Ph.D	2016	Structural Engineering

2. Teaching and Learning:

2.1 Teaching Interests: Strength of Materials, Building Materials, Solid Mechanics, Structural Engineering (RCC & STEEL), Structural Analysis, Engg Drawing, Bridge Engineering. Finite Element Method, Structural Dynamics,

2.2 Novel Teaching & Learning Techniques adopted:

WIT & WIL, NPTEL, TED Videos

2.3 Involvement in curriculum updating / Design:

Curriculum development to impart up to date knowledge. Regularly **subject content** is updated with changing Industrial and Technological needs by removing the outdated content

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- To involve the Students in the Consultancy projects
- To promote work efficiency and good attitude towards work, in organizations

3.2. CCA/ECA Organized:

- As a NSS coordinator Conducted Several Social Activates in VNR VJIET & Slum Villages
- Warden for VNR VJIET Hostels
- Incharge, Department Guest Lectures
- Coordinator for Diploma In Civil Engineering
- As a Coordinator for Civil Engineering Association, organized several programs for the benefit of student community
- Member of an Organizing committee for Alumni.
- Associate Editor in Monthly News Bulletin of Vignana Vahini
- Organized Blood donation camps at VNR VJIET Campus.
- Organized Plantation Programme at VNR VJIET Campus.
- Organized Panel Discussion in Attacks on Women – Role of Society “at VNR VJIET Campus., II & III B.Tech Students are participated in the Discussion.
- Mega Health Camps are conducted at various villages in twin cities .
- Career Counselling and Guidance for school children in ZPPH Schools
- 5-Day & 7 –Day Special camps at various Slum villages in Medak Dist .

3.3. CCA/ECA participated:

- Member of an Organizing committee for Cultural fest SCINTILLASHUNZ being conducted at VNR VJIET.
- Member of an Organizing committee for Sports fest being conducted at VNR VJIET.

3.4. Counseling and Mentoring Activity:

- Counselor for I B.Tech Students

3.5. Committees involved in:

Department level:

- Coordinator Diploma in Civil Engineering
- Coordinator Alumni in Civil Engineering
- Coordinator Department Guest lectures
- Coordinator for Department Placements
- Coordinator for Civil Engineering Association
- Member of an Organizing committee for Alumni
- Associate Editor, Vignana Vartha
- As a Associate coordinator Conducted National level Technical Contest called STAHPANA for three consecutive years successfully at VNRVJIET

Institute Level:

- Dy. Dean Admin & Finance

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted

- Organized 2- Week AICTE Sponsored Staff Development Program on “Recent advances in Concrete & Construction” (**RACC-12**) from 30th April – 12th May 2012
- Organized 2- Day National Workshop on “Recent advances in Concrete Technology” under TEQIP-II during 23rd & 24th May 2013.

4.2 Attended:

- A short-term course on “Advanced Structural steel design” for University faculty sponsored by ministry of steel, Government of India, organized at National Institute of Technology, Warangal during 27th November to 3rd December 2004.
- A short term course on “seismic soil structure interaction analysis in Time domain (3 SIATD 2007)” organized by IIT , Chennai during 26th – 30th July 2007 .
- Attended a five day workshop on “Teaching Methodologies” conducted by VNR VJIET from 10th May 2008 to 14th May 2008
- A National Work shop on Finite element Applications In Engineering” Organized by VNRVJIET during 4-6th September 2008 .
- Attended 2- day National Workshop on “Recent Issues & Developments in Pavement Engineering” (RIDPAVE) from 27th – 28th August 2010. Organized by VNR VJIET.
- Attended 1- day Seminar on “Research Publication and Documentation” 04th May 2013. Organized by Department of Computer Science and Engineering, VNR VJIET.
- Attended 2- Week AICTE Sponsored Staff Development Program on “Finite Element Applications in Civil Engineering” (FEACE-2013) from 03rd June to 15th June 2013 Organized by VNRVJIET.
- Attended National Work shop on” Reinforced Earth –Concepts , Applications & Practices in Geotechnical Engineering” from 20 -22 Dec 2014 Organized by VNRVJIET

- Attended 2- Week ISTE STTP Sponsored workshop on Introduction to Structural Engineering from 30th November 2015 to 4th December 2015 and 4th January 2016 to 9th January 2016 Organized by IIT Kharagpur.
- Attended 3-day National Workshop on “Urban Traffic and Transportation Planning Perspective for Smart Cities” (UTTPPSC 2016) 20th – 22nd January 2016. Organized by VNR VJIT.
- Attended Training & Orientation Programme on “NSS’ 4th – 10th August 2016 Organized by Empanelled Training Institute , OU , Hyderabad.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

S.No	Name of the organization	Sponsored	Period
1	National Academy of Construction (NAC)	NAC	16 September 2016
2	National Academy of Construction (NAC)	NAC	22 September 2016
3	National Academy of Construction (NAC)	NAC	22 August 2015
4	National Academy of Construction (NAC)	NAC	08 September 2015
5	National Academy of Construction (NAC)	NAC	27 September
6	National Academy of Construction (NAC)	NAC	06 October 2015
7	National Academy of Construction (NAC)	NAC	12 July 2014
8	National Academy of Construction (NAC)	NAC	08 Aug 2014
9	National Academy of Construction (NAC)	NAC	04 Sept 2014
10	National Academy of Construction (NAC)	NAC	18 Dec 2014

5.2. Articles / Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG:

- Study on Hardened properties of Ultra High performance Self Compacting Fiber reinforced concrete.
- “Analysis and Design of MAGLEV Structure Using Ansys”,
- Effect of mineral & Chemical admixtures on high performance concrete
- Study on mechanical properties of M60 grade concrete using steel fibers

- Study on hardened properties of ultra high performance self compacting fiber reinforced concrete
- Durability Studies on High Strength Self Compacting Hybrid Fibre Reinforced concrete
- An Experimental investigation on Flexural Behaviour of slabs with hybrid fibre reinforced high strength self compacting concrete
- Study on Flexural Behaviour of pre tensioned slabs using hybrid fibre reinforced high strength self compacting concrete .
- An experimental investigation on flexural behaviour of slabs with hybrid fibre reinforced high strength self compacting concrete.
- An experimental study on high strength pre tension beams & slabs incorporating quartz materials of hybrid fibers self compacting concrete
- Study on Mechanical Properties of ultra Fibre Self compacting Concrete
- An experimental study on high strength pre tension beams & slabs in cooperating quartz materials of hybrid fibers self compacting concrete
- An experimental investigation on flexural behaviour of slabs with hybrid fiber reinforced high strength self compacting concrete.
 - An Experimental Investigation on Mechanical Properties of Self-Curing concrete incorporating Fly ash and Quartz Materials.

b) PG:

- Study on Mechanical Properties of High Performance Self –Compacting Concrete
- Study on Workability and strength Properties of High Performance Self Compacting Concrete
- Effect of Water powder ration on High Performance Self Compacting Concrete
- Experimental Study on High Strength Hybrid Fiber Self Compacting concrete made with Quartz materials
- Development of High Strength Steel Fiber Reinforced Self Compacting Concrete Incorporating Quartz materials
- Durability Studies on High Strength Hybrid Fiber Reinforced Self Compacting Concrete
- Development of high strength steel fiber reinforced self compacting concrete Incorporating quartz materials
- Experimental study on high strength hybrid fiber self compacting concrete made with quartz materials
 - Durability studies on high strength hybrid fibre reinforced self compacting concrete
 - Study on Structural Behavior of Reinforced Cement Concrete and Pre-Tensioned Slabs of High Strength Hybrid Fibre Self Compacting Concrete.
 - Pushover Analysis of Plan Irregular Reinforced Concrete Buildings with and without Lead Rubber Base Isolator.
 - Study on Microstructure of High Strength Hybrid Fiber Reinforced Self Compacting Concrete Containing Quartz Materials Subjected to Marine Environment
 - Development of High Performance Fiber Reinforced Self Curing Self Compacting Concrete Using Quartz Fillers.

5.5. Research Interests:

- Concrete Technology, Special Concretes, Static and dynamic Analysis, Computer Aided Design/ Engineering, Finite Element Analysis.

5.6. Ph.D students: Nil

- Enrolled:
- Submitted:
- Awarded:

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/IS SN No.	Impact Factor / Citatio n Index	National/ Internati onal
1	Chloride Permeability of M100 Grade Concrete Using Quartz Fillers in Hybrid Fiber Reinforced Self Compacting Concrete	International Journal of Earth Sciences & Engineering	2319-6491	1.1	Internatio nal
2	Physical and Chemical Durability Studies on High Performance Self Compacting Hybrid Fiber Reinforced Concrete	Indian Concrete Journal (ICJ)	IS0019-4565	1.6	National
3	Study on the Effect of Quartz Sand and Hybrid Fibers on the Properties of Fresh and Hardened High Strength Self Compacting Fiber Reinforced Concrete	Journal of Civil Engineering (I Managers Publications)	2231-1068	0.9	National
4	Corrosion Resistance of M100 Grade Concrete Using Quartz Sand and Quartz Fillers in Hybrid Fiber Reinforced Self Compacting Concrete	Journal of Structural Engineering (I Managers Publications)	2278-7887	0.98	National
5	Study on Chloride Permeability of M100 Grade Concrete Using Quartz Sand and Quartz Fillers in Hooked End Steel Fiber Reinforced Self Compacting Concrete	Journal of Structural Engineering (I Managers Publications)	2278-7887	0.98	National
6	Study On Structural Behavior Of Reinforced Cement Concrete Slabs Of High Strength Hybrid Fiber Reinforced Self Compacting Concrete	Journal of Structural Engineering	2278-7887	0.98	National
7	Push Over Analysis Of Plan	Journal of	2278-	0.98	National

	Irregular Reinforced Concrete Buildings With And Without Lead Rubber Base Isolator	Structural Engineering	7887		
8	Development of High Strength (M100 Grade) Self Compacting Concrete using Quartz Sand as an Alternative of Natural River Sand.	Indian Concrete Journal (ICJ)	IS0019-4565	1.6	National

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	A Novel Application Of Sustainable Concrete In Urban Context.	46th ISTE Annual National Convention & National Conference On "Intelligent Technologies for better Tomorrow"	National	10th -12th February 2017
2	Development Of High Strength Fiber Reinforced Self Curing Self Compacting Concrete Using Quartz Fillers	Structural Engineering Convention (SEC - 2016)	International	21st -23rd December 2016
3	Bhuj and Nepal Earth quakes Technical fallout and lessons to be learnt	Disaster Preparedness , Mitigation and Reconstruction of Sustainable Society	National	11-12 th Feb 2016
4	An Experimental Study On High Strength Post-Tension Beams Incorporating Quartz Materials Of Hybrid Fiber Self Compacting Concrete	UKIERI Concrete Congress Concrete Research Driving Profit and Sustainability	International	2 - 5 November 2015
5	Chloride Permeability of M100 Grade Concrete Using Quartz Sand and Quartz Fillers in Hooked End Steel Fiber Reinforced Self Compacting	i-manager's International Conference on Engineering and Technologies (IICET 2015)	International	10 th - 11 th April, 2015
6	Physical and Chemical Durability Studies on High Performance Self Compacting Hybrid Fiber Reinforced Concrete	Structural Engineering Convention –IIT Delhi	International	22 Dec to 24 Dec 2014

7	Mechanical Characteristics of High Strength Self Compacting Fiber Reinforced Concrete Incorporating Quartz Filler & Hybrid Fibers	International Conference on Emerging Trends in Civil Engineering	International	06 Jan to 08 Jan 2014
8	Development of Ultra High Strength Self Compacting Fiber Reinforced Concrete with Quartz Sand and Quartz Powder	4 th Nirma university International Conference on Engineering	International	28 Nov to 30 Nov 2013
9	Effect of Chemical Admixtures on Ultra High Strength Self Compacting Fiber Reinforced Concrete	Indian Science Congress Association	International	08 Dec to 10 Dec 2013
10	Effect of VMA and W/P ratio on ultra high strength self compacting fiber reinforced concrete	Innovations in Concrete (ICI -IWC 2013)	International	October 23-26, 2013
11	Study on hardened properties of ultra high strength self compacting fiber reinforced concrete	Sustainable Innovative Techniques In Civil and Environmental Engineering (organized Jawaharlal Nehru University, New Delhi)	International	5th & 6th June 2013
12	Effect of super plasticizers on High performance concrete	Advances in structural Engineering	National	05-06 January 2012
13	Strength properties of polypropylene fibre reinforced concrete	Recent advances in structural Engineering	National	05-06 January 2012
14	Geo-polymer concrete- An overview	special concretes	National	23-24 December 2011
15	Bacterial concrete- An innovative solution to concrete crack remediation	special concretes	National	23-24 December 2011
16	Quality assessment of New Concrete structures by NDT Techniques	Condition monitoring ICCM-2011 organized by GITAM University ,Vizag	International	23-24 February 2011
17	Effect of fine aggregate replacement with flyash on some properties of concrete	Recent advancements in Concrete and construction organized by Vasavi college of Engineering	International	7 th - 9 th February 2008.
18	Analysis and design of MAGLEV Bogie structure using ANSYS	Civil engineering “ Applications organized by Civil	National	24-25 January 2007.

		engineering Association, VNRVJIET, HYDERABAD		
19	Analysis and design of ASRS system using Finite element analysis	National seminar on Civil engineering Applications	National	24-25 January 2007

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Development & Characterization of geo-polymeric binders for sustainable Concrete	DST (SERB)	Applied	--	--
2	Development of Ultra High Performance Self Compacting Fiber Reinforced Concrete (UHPSCFRC)	DST (SERB)	Applied	--	--
3	An Experimental Study on Effect of Quartz Powder and Quartz Sand in Self Compacting Concrete	UGC Major	Applied	--	--
4	Strength and Corrosion Characteristics of Reinforced Cement Concrete slabs & Beams with Hybrid Fiber Reinforced High Strength Self Compacting Concrete using Quartz Materials	UGC Minor	Applied	--	--
5	Characterization of geo-polymeric binders	AICTE	Applied	--	--
6	Recent Advances in Concrete & Construction "(RACC-12)	AICTE (SDP)	30 TH April to 12 May 2012	2.62	Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1	Mix Design for M25 & M30 grade	Radiant Cables Pvt ltd	August 2016	20,000	Completed
2	Concrete Material Testing	Radiant Cables Pvt ltd	March 2016	8000	Completed
3	Mix Design for M25 & M30 grade Concrete	VNR VJIET Hostel Buildings	Jan 2015	----	Completed
4	Quality Control of Concrete	VNR VJIET Hostel	Aug 2014	-----	On going

		Buildings			
5	Development of Mix design	M/s Madhucon Sugar and Power Industries Ltd	August 2014	10,000-00	Completed
6	Concrete Material Testing	VNR VJIET Hostels	----	----	On going
7	Study on mechanical properties on M20 grade concrete (Using OPC 53 Grade Cement) with and without curing	Ramboll Pvt Ltd Hyderabad	October 2013	22,000-00	Completed
8	Study on mechanical properties on M20 grade concrete (Using PPC Cement) with and without	Ramboll Pvt Ltd Hyderabad	November 2013	12,000-00	Completed
9	Mix Design for M25 & M30 grade	HRH Constructions	June 2012	16,000-00	Completed
10	Mix Design for M30 grade concrete	Maytas Pvt ltd	April 2011	8,000-00	Completed

6. Awards / Honors received: Nil

7. Motto:

Work is Worship & Efficiency is Divine
Vision, Work & Efficiency Secure Life