

# Award Category – Teaching & Learning(to be filled by Teachers)

Award for – Teachers only

Duly completed form to be submitted by August 15, 2022. Pls read terms and conditions on [www.bharatshikshaawards.com](http://www.bharatshikshaawards.com) before submitting your response.

Email \*

cevamsi@mrec.ac.in

Email id \*

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Name of the teacher, age, institution name, course name \*

Basava Vamsi Krishna, 35, Malla Reddy Engineering College, Civil Engineering

How much of the syllabus was covered in the class? \*

- 4 – 85 to 100%
- 3 – 70 to 84%
- 2 – 55 to 69%
- 1 – 30 to 54%
- 0 – Below 30%

Whether you have identified slow learners and fast learners and explain the process you have used to identify the slow and fast learners (including during COVID period)? \*

- 4 – Regularly
- 3 – Usually
- 2 – Sometimes / Occasionally
- 1 - Rarely
- 0 – Not at all

Do you inform students about their competencies, course outcomes and programme outcomes? \*

- 4 – Every time
- 3 – Usually
- 2– Occasionally/Sometimes
- 1 – Rarely
- 0– Never

The institution provides multiple opportunities to learn and grow. \*

- 4 – Strongly agree
- 3 – Agree
- 2 – Neutral
- 1 – Disagree
- 0– Strongly disagree

The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth. \*

- 4 – Significantly
- 3 – Very well
- 2 – Moderately
- 1 – Marginally
- 0– Not at all

You identify strengths of your students and encourage them by providing right level of challenges. \*

- 4 – Fully
- 3 – Reasonably
- 2 – Partially
- 1 – Slightly
- 0 – Unable to

You are able to identify weaknesses of your students and help them overcome their weaknesses. \*

- 4 – Every time
- 3 – Usually
- 2 – Occasionally/Sometimes
- 1 – Rarely
- 0 – Never

What are the Program Outcomes for the courses you taught and action taken after that? \*

Program Outcomes – Bridge Engineering Course

At the end of the Bridge Engineering course, the student will be able to

- Discuss the IRC standards. (Engineering Knowledge : PO-1)
- Analyze and Detailing the box culverts for the given loading (Problem Analysis PO-2)
- Design and detail of T-Beam bridges. (Design/development of solutions PO-3)
- Design and check the stability of piers and abutments. (Design/development of solutions PO-3)

Action Taken:

Students have achieved the attainment level and suggested them to go through latest articles published in International journals for advanced topics.

Program Outcomes – Design of Steel Structures Course

At the end of the Design of Steel Structures course, the student will be able to

- Explain the fundamental of steel structures and calculate the plastic moment of different cross-sections. (Engineering Knowledge : PO-1)
- Design and analysis the bolted, welded connections, steel tension and compression members, column bases and Trusses. (Design/development of solutions PO-3)
- Classify and design the structural steel components of industrial building. (Conduct investigations of complex problems PO-4)


Action Taken:

Students have achieved the attainment level and suggested them to interact with steel industries & PEB Structures to know the latest technology in design.

Pls share what Innovation techniques have you implemented in your Teaching methods to make \* your teaching effective during COVID. Pls upload valid documents to justify your claim.

 Innovative Teach...

Pls add your updated resume highlighting work done in the last academic session. \*

 B. Vamsi Krishna...

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## CURRICULUM VITAE



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3. **Native District** : Hyderabad, Telangana-500100, India

### 4. Educational Qualifications:

Exam Passed	Year of Passing	Name of the University	Subject	Division
M.S	2010	The University of Salford, UK	Structural Engineering	First (70.8%)
B.Tech	2008	JNTUH, Hyderabad	Civil Engineering	First with Distinction (80.95%)
Intermediate	2004	Board of Intermediate Education	Maths, Physics, Chemistry	First Class with Distinction (79%)
SSC	2002	Board of Secondary School Education	English, Telugu, Hindi	First Class (75%)

### 5. Professional Experience: 10 Years

S.No	Position held	Duration	Organization	Nature of Duties
1	Assistant Professor & Placement Officer (CE)	July 2013 to <b>Till Date</b>	Department of Civil Engineering, MREC(A), Hyderabad	Teaching, Research, Placements and Administration duties
2	Jr. Bridge Engineer	March 2012 to June 2013	M/s. A.M.RAJU & CO, Hyderabad	Voided Slabs, Major & Minor Bridges, Via Ducts, Foundations & Piers.
3	Bridge Engineer	Aug 2011 to Feb 2012	Era Infra Projects Limited, New Delhi	Execution, Quantity & Quality Survey e.t.c
4	Civil Consultant	July 2010 to March 2011	CORUS Civil Engineering Consultancy, U.K	Inspection, Estimating, Quality check
5	Site Engineer	April 2008 to August 2008	M/s. ZVSTROY –GDCL (J.V), Russia, Hyderabad	Irrigation structures execution, Telugu Ganga Projects.

## 6. Conferences/workshops organized (Organizing coordinator):

S.No	Title	Duration	Venue
a.)	One day Workshop on “Practical Applications in civil Engineering”	18 <sup>th</sup> Aug 2013	Department of Civil Engineering, MREC
b.)	National Conference on “Role of Civil and Mechanical Engineers in the Development of Society” “NCRCMDS 2K13”	20-21 Sep 2013	Department of Civil Engineering, MREC
c.)	Two day workshop on “Recent Advancements In Civil Engineering”	29 <sup>th</sup> March 2014	Department of Civil Engineering, MREC
d.)	National Conference on “Emerging Trends in Science Technology and Management” “NCETSTM-2K14”	8-9 Aug 2014	Department of Civil Engineering, MREC
e.)	Two day workshop on “Advanced Techniques in Disaster Management and Mitigation”	11 -12 Dec 2014	Department of Civil Engineering, MREC
f.)	International Conference on Emerging trends in Science Technology Engineering and Management (ICETSTEM-2015)	9 <sup>th</sup> & 10 <sup>th</sup> Oct 2015	MREC (A)
g.)	One day Technical Training Programme for Lab Technicians under TEQIP-II S.C-1-1	16 <sup>th</sup> July 2016	Department of Civil Engineering, MREC
h.)	3 <sup>rd</sup> National Conference on “Innovative Research in Civil Engineering” (NCIRCE 2K17) under TEQIP-II S.C-1-1	21 <sup>st</sup> Jan 2017	Department of Civil Engineering, MREC
i.)	“AKSHARA 2K17” Two Days Techno-Cultural Fest	7 <sup>th</sup> & 8 <sup>th</sup> April 2017	MREC(A)
j.)	“One Week Skill Development Program on Total Station”	5 <sup>th</sup> – 10 <sup>th</sup> Feb 2018	MREC(A)
k.)	“Fundamentals and Applications of Arc-GIS & Q-GIS”	12 <sup>th</sup> – 18 <sup>th</sup> Dec 2019	Department of Civil Engineering, MREC
l.)	One week faculty development program on SAP-2000	14 <sup>th</sup> – 18 <sup>th</sup> Dec 2020	Department of Civil Engineering, MREC

## 7. Membership in Professional Organizations/Bodies

S.No	Organization	Membership	Number	Date of Election	Head Office
1.	Institute Of Research Engineers And Doctors	Associate Member –Life	(UACSE) AM1010001562	22 Oct 2014	USA
2.	Indian Institute of Engineers	AMIE- Life	AM 157812-2	31 March 2015	Kolkata
3.	Indian Institute of Engineers	MIE- Life	M 161747-2	04 July 2018	Kolkata



4.	International Association of Engineers	Life Member	153958	10 April 2015	Hong Kong
5.	Chartered Engineer (India)- Civil Engineering Division	Life Member	016813	08-06-2020	Kolkata
6.	Indian Society of Technical Education	Life Member	LM123538	2018	New Delhi

#### 8. Conferences/Workshops/Seminars/Orientation courses Attended:

S.No	Title of the Course	Venue	Duration	Institution/Agency
1	Training Programme on “Sri Ram Sagar Project”	Nizamabad	April-May 2014	Reliable Environmental Services
2	International Conference on “Advances in Engineering & Technology”	Roorkee	29 <sup>th</sup> May 2014	Roorkee Institute of Technology
3	Indian Engineering Congress	The Institute of Engineers, Hyderabad	19 <sup>th</sup> to 21 <sup>st</sup> Dec 2014	E.S.C.I, Hyderabad
4	Training Programme on “Water Management”	Hyderabad	Jan –March 2015	WALAMTARI, GHMC, HMDA, Hyderabad
5	“Advances in Precast and Prestressed Construction Technology”	The Institute of Engineers, Hyderabad	13-April 2015	IIE, APSC, Hyderabad
6	All India Seminar on “ The Integrated Design Approach for Better Buildings” (InteDA-2015)	The Institute of Engineers, Hyderabad	29 <sup>th</sup> & 30 <sup>th</sup> June 2015	IIE, APSC, Hyderabad
7	Presented paper in 2 <sup>nd</sup> Two Day National Conference on “Water, Environment & Society” (NCWES-2015)	JNTUH	30 <sup>th</sup> -31 <sup>st</sup> July 2015	Centre for Water Resources, IST, JNTUH, Hyderabad
8	Presented paper in Three Day International Conference on “Innovations in Structural Engineering” (IC-ISE-2015)	OSMANIA University	14 <sup>th</sup> to 16 <sup>th</sup> Dec 2015	Osmania University, Hyderabad
9	Faculty Development Programme on “ Smart Technologies and Emerging Trends”	JNTU College of Engineering, Hyderabad	22 <sup>nd</sup> to 26 <sup>th</sup> Feb 2016	Engineering Staff College of India, Hyderabad
10	2 <sup>nd</sup> International Conference on Sustainable Energy and Built Environment	VIT, Vellore	10 <sup>th</sup> to 12 <sup>th</sup> Mar 2016	Vellore Institute of Technology, Vellore

11	International Conference on Internet of Things and Applications for Smart City, Tirupathi	Tirupathi	18 <sup>th</sup> & 19 <sup>th</sup> March 2016	Institute for Engineering Research and Publication , IFERP
12	One Day Workshop on “Advances in Concrete Technology and Good Construction Practices” (ACTGCP-2016)	JNTUH, Hyderabad	26 <sup>th</sup> May 2016	JNTUH, Hyderabad
13	One Day Seminar on “High Rise Buildings” Design & Construction Practices	Hyderabad	20 <sup>th</sup> Oct 2016	Association of Consulting Civil Engineers (India), Hyderabad Centre
14	Two Day Workshop on Good Concrete Construction Practices” (GCCP-2016)	Osmania University, Hyderabad	28 <sup>th</sup> & 29 <sup>th</sup> Oct 2016	University college of Engineering, Osmania University, Hyderabad.
15	4 <sup>th</sup> International Conference on Transformations in Engineering Education – ICTIEE-2017	Hyderabad	6 <sup>th</sup> to 8 <sup>th</sup> Jan 2017	Vardhaman College of Engineering, IUCEE, Hyderabad.
16	Ino Idea Sponsored ICTIEE 2017 Workshop on IONCUDOS “Outcome Based Education Platform”	Hyderabad	6 <sup>th</sup> Jan 2017	Vardhaman College of Engineering, IUCEE, Hyderabad.
17	Two Day National Conference on Recent Innovations in Civil Engineering (RICE 2017)	Hyderabad	15 <sup>th</sup> & 16 <sup>th</sup> Dec 2017	Gokaraju Rangaraju Institute of Engineering and Technology
18	International Conference on Transformations in Engineering Education (ICTIEE-2018)	Madurai, Tamil Nadu	7 <sup>th</sup> to 9 <sup>th</sup> Jan 2018	Thiagarajar College of Engineering – (TCE)
19	Ino Idea Sponsored ICTIEE 2018 Workshop on IONCUDOS “Outcome Based Education Platform”	Madurai, Tamil Nadu	8 <sup>th</sup> Jan 2018	Thiagarajar College of Engineering – (TCE)
20	IIEECP – IUCEE International Engineering Educators’ Certification Program	Malla Reddy Engineering College (Autonomous)	3 <sup>rd</sup> to 6 <sup>th</sup> Feb 2018	Indo-Universal Collaboration of Engineering Education
21	One day seminar on Seismic Codes IS 1893-2016 and IS 13920-2016 Recent Revisions and impact on Design	The Park, Hyderabad	28 <sup>th</sup> April 2018	Association of Consulting Civil Engineers (I), Hyderabad
22	One week FDP on “Recent Advances in Structural	Hyderabad	2 <sup>nd</sup> to 7 <sup>th</sup> July 2018	MRIT, Hyderabad

	Engineering” (RASE-2018)			
23	International Conference on Research advancements in Applied Engineering Sciences, Computer and Communication Technologies (ICRAAESCCT-2018)	BVRIT, Hyderabad	12 <sup>th</sup> & 13 <sup>th</sup> July 2018	IFERP, Chennai
24	International Conference on Transformations in Engineering Education- Imparting Futuristic Skills (APICTIEE-2018)	Amaravathi	15 <sup>th</sup> – 18 <sup>th</sup> July 2018	SRM University, AP
25	Ino Idea Sponsored ICTIEE AP 2018 Workshop on IONCUDOS “Outcome Based Education Platform”	Amaravathi	16 <sup>th</sup> July 2018	SRM University, AP
26	International Conference on Transformations in Engineering Education (ICTIEE-2020)	Hyderabad	5 <sup>th</sup> – 8 <sup>th</sup> Jan 2020	Anurag Group of Institutions, Hyderabad
27	Workshop on “Role of SKETCH-UP as a tool for enhancing Online Teaching Methodology”	Hyderabad	6 <sup>th</sup> May 2020	Vignana Bharathi Institute of Technology
28	Achieving Sustainable Concrete through use of Mineral Admixtures	Bangalore	8 <sup>th</sup> May 2020	Indian Concrete Institute- Bangalore Centre
29	One week FDP on Online Teaching Etiquette and Best Practices	Kurnool, A.P	10 <sup>th</sup> – 15 <sup>th</sup> May 2020	Santhiram Engineering College, Kurnool
30	“PostCOVID-19 Resurgence of Indian Industry and R&D”	A.P	15 <sup>th</sup> May 2020	SRM UNIVERSITY, A.P
31	One day FDP on “IPR AWARENESS”	Hyderabad	13 <sup>th</sup> May 2020	KEYWAY RESEARCH, Hyderabad
32	Online FDP on “ Recent advances in concrete Technology & sustainable Infrastructure”	Hyderabad	21 <sup>st</sup> to 23 <sup>rd</sup> May 2020	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad
33	“Global Trends in Civil & Infrastructural Engineering (GTCIE-2020)”	Hyderabad	26 <sup>th</sup> May 30 <sup>th</sup> 2020	Institute of Aeronautical Engineering, Hyderabad.
34	One week faculty development program on	MREC, Hyderabad	14 <sup>th</sup> – 18 <sup>th</sup> Dec 2020	Malla Reddy Engineering College, Hyderabad

	SAP-2000			
35	NIRF INDIA RANKING - 2021 for Higher Education Institutions	Online	18 <sup>th</sup> -19 <sup>th</sup> Jan 2021	Institute for Academic Excellence, Hyderabad
36	Design and construction of eco-friendly flexible pavements	Online	25/02/2021	The Institution of Engineers (India)
37	One-week Online STTP on "Seismic Design of Multistory Buildings: IS 1893-2016"	Online	04/10/2021 to 12/10/2021	AICTE, New Delhi and Human Resource Development Centre, JNTUH, Hyderabad India
38	One-week Online STC "E-Content Development and Online Pedagogy"	Online	13/12/2021 to 18/12/2021	UGC and Human Resource Development Centre, JNTUH, Hyderabad India
39	Two Day National level workshop on NIRF India Rankings-2022 for Higher Educational Institutions"	Online	5 <sup>th</sup> Jan 2022 to 6 <sup>th</sup> Jan 2022	Institute for Academic Excellence in Collaboration with Collegiate Education & Technical Education Department, Govt, of Telangana.

## 9. Patents, Copy Rights and Books

S. No	Topic of the patent	CBR Number / Patent Application Number	Publication Date
1	Elevated Tennis courts with Hydraulic Operating Mechanism (Utility Patent)	202041006422	12/06/2020
2.	Sport Court (Design Patent)	327338-001	27/04/2020
3.	Lecture Notes on Design of Steel Structures as per IS: 800-2007	18059/2020-CO/L	26/04/2021
4.	In-level stability of uniform steel beams - columns with immovable supports on pasternak type elastic ground	202141041028 A	17/09/2021

5.	System and Method to study Dynamic properties of Fibre Reinforced soil and vibration isolation	202141061183 A	07/01/2022
6.	The Translucent Concrete Mixture	202141060070 A	28/01/2022
7.	Eco-Friendly Brick & Paver Blocks	202241008751 A	04/03/2022

S. No.	Name of the Book/chapter	Details of Publication	ISBN Number
1.	Managerial Economics	Spectrum Educator	978-93-83959-44-0
2.	Engineering Workshop	Spectrum Educator	978-93-82829-16-4
3.	Introduction to Green Buildings	Going to Publish in Khanna Publishers	-
4.	Advancements in Engineering and Management <b>Chapter:</b> River Modelling using HEC-RAS Software (Case study on Madhira to Keesara), Year :2021	Manglam	978-93-91193-01-0
5.	Lecture Notes on Design of Steel Structures as per IS: 800-2007, Year:2021	Self Publication	978-93-5493-632-6
6.	Feasibility Study of Grade- Separated Intersection (Case Study at Balanagar Junction-Hyderabad) Year: 2022	Tech Press	978-93-9169-706-8

## 10. Consultancy Work

S. No.	Name of the work	Company	Amount in Rupees
<b>Academic Year 2021-22</b>			
1.	Compression Test on Concrete Cubes	Sophists Technologies Pvt Ltd	10,000/-
2.	NDT Test on Foundation- Micro Piles	EE Engineering Constructions Services	50,000/-
3.	Inspection for Rehabilitation of Cracks in the Club House	Vasant Technocrats Pvt Ltd	50,000/-
<b>Academic Year 2020-21</b>			

4.	NDT Test	EE Engineering Constructions Services	40,000/-
5.	NDT Test	Chaitanya Engineering Works	50,000/-

## 11. Research, Publications And Academic Contributions

- Published papers in Journals & Conferences

SNO	TITLE OF THE PAPER	JOURNAL	ISSN/ISBN
1	Ceraplast And Ceraproof Admixtures Behaviour On High Strength Concrete ; Vol-2 Issue 5; Pg:No: 15-19 ;May-2014	International Journal Of Engineering Research & Technology (IJERT) <a href="https://www.ijert.org/ceraplast-and-ceraproof-admixtures-behaviour-on-high-strength-concrete">https://www.ijert.org/ceraplast-and-ceraproof-admixtures-behaviour-on-high-strength-concrete</a>	2278-0181
2	Ceraplast And Ceraproof Admixtures Behaviour On High Strength Concrete ; Vol-2 Issue 5; Pg:No: 15-18 ;June-2014	International Journal Of Scientific Engineering Research (IJSER) <a href="https://www.ijser.in/archives/v2i5/SjIwMTMyNzc=.pdf">https://www.ijser.in/archives/v2i5/SjIwMTMyNzc=.pdf</a>	2347-3878
3	Application And Analysis Of Last Planner System In The Construction Industry; ;Vol-2 Issue-6; Pg:No. 33-44;Jun-2014	International Journal Of Research In Engineering & Technology (IJRET) Impact Journals <a href="https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.684.4725&amp;rep=rep1&amp;type=pdf">https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.684.4725&amp;rep=rep1&amp;type=pdf</a>	2347-4599
5	An Experimental Study Of Flexural Strength Of Reinforced Concrete Beam Due To Corrosion; Vol-11, Issue-4; Pg.No: 98-109;Aug-2014	International Journal Of Mechanical And Civil Engineering (IOSR-JMCE) <a href="http://iosrjournals.org/iosr-jmce/papers/vol11-issue4/Version-2/M0114298109.pdf">http://iosrjournals.org/iosr-jmce/papers/vol11-issue4/Version-2/M0114298109.pdf</a>	2278-1684
6	Design Of Pre-Stressed Concrete T-Beams;Vol-2, Issue-8, Pg.No: 37-42; Aug-2014	International Journal Of Scientific Engineering And Research (IJSER) <a href="https://www.researchgate.net/profile/Basava-Vamsi-Krishna/publication/349287201_Design_of_Pre-Stressed_Concrete_T-Beams/links/6027dbdaa6fdcc37a8236582/Design-of-Pre-Stressed-Concrete-T-Beams.pdf">https://www.researchgate.net/profile/Basava-Vamsi-Krishna/publication/349287201_Design_of_Pre-Stressed_Concrete_T-Beams/links/6027dbdaa6fdcc37a8236582/Design-of-Pre-Stressed-Concrete-T-Beams.pdf</a>	2437-3878
7	Design Of Pre-Stressed Concrete T-Beams; Vol. 2, No. 3, 2014: pp. 1-	International Journal of Bridge Engineering (IJBE) Free Journal	2241-7443

	14;Dec-2014	<a href="https://www.ijbe.net/issues/volumes/itemlist/category/18-issue-3-sep-dec-2014">https://www.ijbe.net/issues/volumes/itemlist/category/18-issue-3-sep-dec-2014</a>	
8	Study On The Effect Of Gust Loads On Tall Buildings; Vol-3; Pg.No: 14-19; Aug-2014	International Journal Of Structural And Civil Engineering Research (IJSCER) <a href="http://www.ijscer.com/uploadfile/2015/0413/20150413034626712.pdf">http://www.ijscer.com/uploadfile/2015/0413/20150413034626712.pdf</a>	2319-6009
9	High Strength Enhancement Of Concrete By Using Mechanical Admixtures;Vol-1, Issue-3; Pg.No: 55-59 30 Sep 2014	International Journal Of Structural Analysis And Design	2372-4102
10	Influence Of Na <sub>2</sub> CO <sub>3</sub> , NaHCO <sub>3</sub> And Organic Substances (Algae) In Water On Physical Properties Of Blended Pozzolanic Portland Cement;Vol-3,Issue-12; Pg.No: 35-37; Dec 2014	International Journal Of Engineering Research & Technology (IJERT) <a href="https://www.ijert.org/research/influence-of-na2co3-nahco3-and-organic-substances-algae-in-water-on-physical-properties-of-blended-pozzolanic-portland-cement-IJERTV3IS120100.pdf">https://www.ijert.org/research/influence-of-na2co3-nahco3-and-organic-substances-algae-in-water-on-physical-properties-of-blended-pozzolanic-portland-cement-IJERTV3IS120100.pdf</a>	2278-0181
11	A Study on the Mechanical Properties of Light Weight Concrete by Replacing Course Aggregate with (Pumice) and Cement with (Fly Ash); Volume. 4 – Issue. 08 , August – 2015; pg.No: 331-336. DOI: 10.17577/ijertv4is080385	International Journal Of Engineering Research & Technology (IJERT) <a href="https://www.ijert.org/research/a-study-on-the-mechanical-properties-of-light-weight-concrete-by-replacing-course-aggregate-with-pumice-and-cement-with-fly-ash-IJERTV4IS080385.pdf">https://www.ijert.org/research/a-study-on-the-mechanical-properties-of-light-weight-concrete-by-replacing-course-aggregate-with-pumice-and-cement-with-fly-ash-IJERTV4IS080385.pdf</a>	2278-0181
12	Analysis And Design Of Elevated Tennis Court By Virtue Of Vertical Space Utilization Concept By Staad.Pro, Volume 6, Issue 8, August-2015, Pg:No: 268-280	International Journal of Scientific & Engineering Research (IJSER) Indexed by Copernicus <a href="https://www.ijser.org/paper/ANALYSIS-AND-DESIGN-OF-ELEVATED-TENNIS-COURT-BY-VIRTUE-OF-VERTICAL-SPACE.html">https://www.ijser.org/paper/ANALYSIS-AND-DESIGN-OF-ELEVATED-TENNIS-COURT-BY-VIRTUE-OF-VERTICAL-SPACE.html</a>	2229-5518
13	Analysis of Wind Load Effects like Deflection, Bending Moment and Axial Forces on Different Shapes of High-Rise Buildings, Volume No: 2 (2015), Issue No: 10 (October), Pg.No: 650-654	International Journal & Magazine of Engineering, Technology, Management and Research <a href="http://www.ijmetmr.com/olctober2015/VAjayKumar-BVamsiKrishna-MKameswaraRao-98.pdf">http://www.ijmetmr.com/olctober2015/VAjayKumar-BVamsiKrishna-MKameswaraRao-98.pdf</a>	2348-4845
14	Study on Fibrous Triple Blended Ultra-High Strength Concrete with (MK & CSF), October 2015, pg.no: 5-11	Yuva Engineers Magazine <a href="http://www.yuvaengineers.com/study-on-fibrous-triple-blended-ultra-high-strength-concrete-with-mk-csf-b-nagendra-babu-b-vamsi-krishna-dr-m-kameswara-rao/">http://www.yuvaengineers.com/study-on-fibrous-triple-blended-ultra-high-strength-concrete-with-mk-csf-b-nagendra-babu-b-vamsi-krishna-dr-m-kameswara-rao/</a>	2320-3706

16	Settlement Analysis of Piled Raft Foundation System (PRFS) in Soft Clay, Volume 14, Issue 2, Mar-April 2017, Pg: 62-68	Journal of Mechanical and Civil Engineering (IOSR-JMCE) <a href="http://iosrjournals.org/iosr-jmce/papers/vol14-issue2/Version-8/I1402086268.pdf">http://iosrjournals.org/iosr-jmce/papers/vol14-issue2/Version-8/I1402086268.pdf</a>	2320-334X 2278-1684
17	An Interdisciplinary Open Elective Course Learning & Employment Benefits: A case study on Green Building Course Vol-31, Pg- 63-67, Jan-2018	Journal of Engineering Education Transformation (JEET) <a href="http://journaleet.in/index.php/jeet/article/view/120759">http://journaleet.in/index.php/jeet/article/view/120759</a>	ISSN 2349-2473, eISSN 2394-1707
18	Applications of Green Materials for the Preparation of Eco-Friendly Bricks and Pavers, Pages: 75-79 DOI: 10.14419/ijet.v7i3.29.18465, Aug-2018	International Journal of Engineering and Technology (IJET-UAE) <a href="https://www.sciencepubco.com/index.php/ijet/article/view/18465/8376">https://www.sciencepubco.com/index.php/ijet/article/view/18465/8376</a>	Scopus Indexed ISSN: 2227-524X
19	Impact of Internship on Employability for Under Graduate Engineering Students : A Case Study Vol: 34, pg 67-73, April 2021	Journal of Engineering Education Transformation (JEET) <a href="http://www.journaleet.in/index.php/jeet/article/view/153410">http://www.journaleet.in/index.php/jeet/article/view/153410</a>	Scopus Indexed ISSN 2349-2473, eISSN 2394-1707
20	Comparative studies on axially loaded steel tubular stub concrete column with and without shear keys	Journal of Applied science and computations (JASC) <a href="https://app.box.com/s/6qawsyevf7jpvo1j5ogr1h40ubpcui13">https://app.box.com/s/6qawsyevf7jpvo1j5ogr1h40ubpcui13</a>	ISO- 7021-2008, ISSN: No: 1076-5131
21	Shear Wall Analysis And Design Optimization In Case Of High Rise Buildings Using By Etabs	Solid State Technology <a href="https://solidstatetechnology.us/index.php/JST/article/view/4020">https://solidstatetechnology.us/index.php/JST/article/view/4020</a>	SCOPUS Indexed and Q4 Journal ISSN 0038-111X
22	Deformation of Anti Symmetrical Laminate Using MATLAB Software	Solid State Technology <a href="http://solidstatetechnology.us/index.php/JST/article/view/4023">http://solidstatetechnology.us/index.php/JST/article/view/4023</a>	SCOPUS Indexed and Q4 Journal ISSN 0038-111X
23	Analysis of Welded Connection plates by using ANSYS (Comparative Study-Finite Element Analysis with Elastic Analysis) 23.06.2021	GEINTEC – Gestao Inovacao e Tecnologias <a href="https://www.revistageintec.net/index.php/revista/article/view/2240">https://www.revistageintec.net/index.php/revista/article/view/2240</a>	WOS ISSN: 2237-0722



# CITATIONS



**Er. B. Vamsi Krishna**

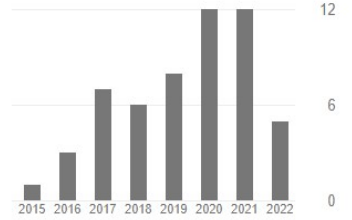
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<input type="checkbox"/>	<b>An Experimental Study Of Flexural Strength Of Reinforced Concrete Beam Due To Corrosion</b> VKB Naga Chaitanya C International Journal Of Mechanical And Civil Engineering JMCE 11 (4), 98-109	15	2014
<input type="checkbox"/>	<b>Design of Pre-Stressed Concrete T-Beams</b> RA Kumar, BV Krishna International Journal of Scientific Engineering and Research (IJSER) 2 (8)	10	2014
<input type="checkbox"/>	<b>Application and analysis of last planner system in the construction industry</b> SMAM Hussain, BV Krishna, VR Kumar Int. J. of Res. Eng. Tech 2, 33-44	8	2014
<input type="checkbox"/>	<b>A Study on the Mechanical Properties of Light Weight Concrete by Replacing Course Aggregate with (Pumice) and Cement with (Fly Ash)</b> BVK B. Venkatesh International Journal Of Engineering Research & Technology 4 (8), 331-336	6	2015
<input type="checkbox"/>	<b>Influence of Na<sub>2</sub>CO<sub>3</sub>, NaHCO<sub>3</sub> and Organic Substances (Algae) in Water on Physical Properties of Blended Pozzolonic Portland Cement</b> L Venu, G Reddy, BV Krishna	3	2014
<input type="checkbox"/>	<b>Ceraplast and Ceraproof Admixtures Behaviour on High Strength Concrete</b> BV Krishna, SMAM Hussain, VR Kumar International Journal of Scientific Engineering and Research (IJSER) 2 (5 ...	3	2014

Co-authors

[EDIT](#)

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- Marthi Kameswararao**  
Professor & HOD [>](#)



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**B VAMSI KRISHNA**

"Vamsi Krishna B, B.V.K, B. V. Krishna, B. Vamsi K, B. K Vamsi, Basava Vamsi Krishna"

Assistant Professor - Civil Engineering, Malla Reddy Engineering College (Autonomous)

Web of Science ResearcherID <sup>Ⓢ</sup>

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### Krishna, B. Vamsi

Malla Reddy Engineering College, Secunderabad, Secunderabad, India

<https://orcid.org/0000-0003-1689-8567>

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Vamsi Krishna, B., Selwyn Babu, I.

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### Biography



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Malla Reddy Engineering College (Autonomous): Secunderabad, Telangana, IN

2013-07-01 to present | Assistant Professor (Civil Engineering)

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<input type="checkbox"/> Abdul Mannan Hussain S, Vamsi Kris...	2014	APPLICATION AND ANALYSIS OF LAST PLANNER SY...	international Jour...	2/13/2021	

### NATIONAL/INTERNATIONAL CONFERENCE PAPERS

SNO	TITLE OF THE PAPER	Conference	ISSN/ISBN
1	High Strength Enhancement Of Concrete By Using Mechanical Admixtures; May 24 & 25 2014, Pg.No: 1038-1043	International Conference On Advances In Engineering And Technology- (ICAET-2014), Roorkee	978-1-63248-028-6 <a href="https://www.seekdl.org/conferences/paper/details/3765.html">https://www.seekdl.org/conferences/paper/details/3765.html</a>
2	A detailed Investigation Report on Sri Ram Sagar Dam/Reservoir and Distributory Canal Efficiencies, 30 <sup>th</sup> -31 <sup>st</sup> July 2015, Pg:no: 76-85	2 <sup>nd</sup> Two Day National Conference on Water, Environment & Society (NCWES-2015), Hyderabad	978-93-83635-87-0 <a href="https://jntuhist.ac.in/web/bulletins/110_2015_proceedings.pdf">https://jntuhist.ac.in/web/bulletins/110_2015_proceedings.pdf</a>
3	A Comparative and Experimental study on the mechanical properties of various steel and glass fiber reinforced High	Three day International Conference on Innovations in Structural Engineering (IC-ISE-2015), Hyderabad	978- 81- 7371- 986 -8 <a href="http://www.uceou.edu/civil/workshop/IC-ISE%20Brochure.pdf">http://www.uceou.edu/civil/workshop/IC-ISE%20Brochure.pdf</a>

	Strength Concrete, 14 <sup>th</sup> - 16 <sup>th</sup> Dec 2015, Pg: no: 1370-1379		
4	An Experimental Investigation On Strength Properties Of Plain Concrete Using Waste Foundry Sand,	2 <sup>nd</sup> International Conference on Sustainable Energy and Built Environment, VIT, Vellore	978- 68- 5469- 345 -4 <a href="https://conferencealerts.com/show-event?id=144309">https://conferencealerts.com/show-event?id=144309</a>
5	A Material By Itself Can Be Eco-Friendly Bamboo: As A Construction Material, 15 <sup>th</sup> - 16 <sup>th</sup> Dec 2017, Pg: no: 101-110	Two Day National Conference on Recent Innovations in Civil Engineering (RICE 2017)	978-93-5279-269-6 <a href="https://drvsr.files.wordpress.com/2017/12/e-proceedings-rice-2017-final-draft.pdf">https://drvsr.files.wordpress.com/2017/12/e-proceedings-rice-2017-final-draft.pdf</a>
6	An Interdisciplinary Open Elective Course Learning & Employment Benefits: A case study on Green Building Course,	International Conference on Transformations in Engineering Education (ICTIEE-2018)	IUCEE <a href="https://www.tce.edu/sites/default/files/ictiee2018.pdf">https://www.tce.edu/sites/default/files/ictiee2018.pdf</a>
7	Applications of Green Materials for the Preparation of Eco-Friendly Bricks and Pavers, 04th- 06th June 2018, Pg: no:	5th National Conference on Water Environment and Society-2018	978-93-87593-72-5 <a href="https://jntuhist.ac.in/web/notifications/52_NCWES%202018.pdf">https://jntuhist.ac.in/web/notifications/52_NCWES%202018.pdf</a>
8	Environmental-Friendly Concrete for Sustainable Construction of the Buildings, 04th- 06th June 2018, Pg: no:	5th National Conference on Water Environment and Society-2018	978-93-87593-72-5 <a href="https://jntuhist.ac.in/web/notifications/52_NCWES%202018.pdf">https://jntuhist.ac.in/web/notifications/52_NCWES%202018.pdf</a>
9	Preparation of Eco-friendly Bricks and Paver Blocks & their applications as Green Materials, 12th- 13th July 2018, Pg: no: 60	International Conference on Research advancements in Applied Engineering Sciences, Computer and Communication Technologies (ICRAAESCCT-2018)	978-81-937041-9-6 <a href="https://www.iferp.in/digital-library/conference-proceedings/2018/18-ICRAAESCCT%20-%202018%20book%20with%20Cover.pdf">https://www.iferp.in/digital-library/conference-proceedings/2018/18-ICRAAESCCT%20-%202018%20book%20with%20Cover.pdf</a>
10	Dimensional Seismic Analysis of Irregular Reinforced Cement Concrete Framed Structure by using STAAD.Pro, 19 <sup>th</sup> September 2020, Pg:	National E-Conference on Recent Advances in Civil Engineering (RACE-2020), Guru Nanak Institutions, Hyderabad	978-81-947249-1-9 <a href="https://www.researchgate.net/publication/350486023_Dimensional_Seismic_Analysis_of_Irregular_Reinforced_Cement_Concrete_Framed_Structure_by_using_STAADPro">https://www.researchgate.net/publication/350486023_Dimensional_Seismic_Analysis_of_Irregular_Reinforced_Cement_Concrete_Framed_Structure_by_using_STAADPro</a>

	No: 50-55		
11	Seismic Analysis of a (G+7) Multi-storey Building with and without Hanging columns- A comparative Study 19 <sup>th</sup> September 2020, Pg: No: 117-121	National E-Conference on Recent Advances in Civil Engineering (RACE-2020), Guru Nanak Institutions, Hyderabad	978-81-947249-1-9 <a href="https://www.researchgate.net/publication/350485876_Proceedings_of_National_E-Conference_on_Recent_Advances_in_Civil_Engineering_RACE-2020_Seismic_Analysis_of_A_G7_Multi-storey_Building_with_and_without_Hanging_Columns-A_Comparative_Study">https://www.researchgate.net/publication/350485876_Proceedings_of_National_E-Conference_on_Recent_Advances_in_Civil_Engineering_RACE-2020_Seismic_Analysis_of_A_G7_Multi-storey_Building_with_and_without_Hanging_Columns-A_Comparative_Study</a>

## 12. Additional Responsibility & Achievements in College

- National Assessment and Accreditation Council (NAAC)- Associate Coordinator**

Grade	Score	CGPA	Validity
A++	3520	3.52	8-3-2022 to 7-3-2029 (7 years)

- National Institutional Ranking Framework (NIRF-2021)- Nodal Officer**

Category	Rank Band
Engineering	251-300

- National Institutional Ranking Framework (NIRF-2022)- Nodal Officer**

Category	Rank Band
Engineering	201-250

## 13. Duties and Responsibilities as Civil Training and Placement coordinator

- Corresponding with prospective companies of Civil for interview date and schedule of placement drives.
- Arranging training programs to students based on the latest technologies and industry requirements.
- Supporting Educational Institutions with Industry MOU's for Internships, Trainings, Industrial Visits, Industrial Guest Lectures, Techno speakers etc.,

- Arranging meets between institution and industry to bridge the Gap between Academia and Industry.
- Career Guidance towards Public and Private Competitive Exams, Higher Studies in India and abroad entrance exams like GATE, GRE, TOFEL, IELTS, PTE etc.,
- Providing necessary inputs about the college and to co-ordinate placement co-ordinator for smooth functioning at various locations (interview halls, written test halls, canteen etc).
- To collect the appointment letters or correspond to get them as soon as the interview is over.
- To distribute appointment letters and collect acceptance letters from the students and dispatch to employees.
- To identify a standby placement officer to take over the responsibilities during the absence of Placement Officer.

#### 14. Coursera Courses

S.No	Subject	Status (Registered / Completed)	Year
1	Introduction to Engineering Mechanics	Completed	2020
2	Mechanics of Materials-1 (Fundamentals of Stress & Strain and Axial Loading)	Completed	2020
3	Mechanics of Materials-2 (Thin-walled pressure vessels and Torsion)	Completed	2020
4	Mechanics of Materials-3 (Beam Bending)	Completed	2020
5	Mechanics of Materials-4 (Deflections, Buckling, Combined loading and Failure)	Completed	2020
6	Air Pollution-A global threat to our Health	Completed	2020
7	Introduction to Sustainability	Completed	2020
8	Introduction to Indoor Air-Quality	Completed	2020
9	Water Resources Management and Policy	Completed	2020

#### 15. LinkedIn Courses

S.No	Subject	Status (Completed)	Year
1.	Construction Industry: Going Digital in the Field	Completed	2021
2.	On the Job Site: Construction	Completed	2021
3.	Michelle Kaufmann's Platinum LEED Home Remodel: Start to Finish	Completed	2021

4.	The Employee's Guide to Sustainability	Completed	2021
5.	Cert Prep: LEED Green Associate	Completed	2021
6.	Sustainability strategies	Completed	2021
7.	Learning Design for Sustainability	Completed	2021
8.	Introduction to LEED Credentialing	Completed	2021
9.	Navigating Environmental Sustainability: A Guide for leaders	Completed	2021
10.	Stay Ahead in Construction Management	Completed	2021
11.	Construction Management: Managing Risk	Completed	2021
12.	Construction Management: Introduction to Lean Construction	Completed	2021
13.	Construction Management: Planning and Scheduling	Completed	2021
14.	Construction Management: Reading Drawings & Specifications	Completed	2021
15.	construction Management: Technology on the Jobsite	Completed	2021
16.	Construction Management: Safety & Health	Completed	2021
17.	Critical Thinking	Completed	2021
18.	Construction Management: Foundation	Completed	2021
19.	Smart Cities: Solving Urban Problems Using Technology	Completed	2021
20.	Introduction to LEED Certification	Completed	2021
21.	Green Building Concepts Foundations	Completed	2021
22.	Construction Management: Concrete Construction	Completed	2021
23.	Construction Management: Reading Civil Construction Drawings	Completed	2021

## 16. Research Areas of Interest

- **Design of Steel Structures** - Connections
- **Design of Reinforced Concrete Structures** – Ribbed Slabs, Health Monitoring of Structures

- **Structural Analysis**
- **Strength of Materials** – Composite Materials
- **Advancements in Concrete Technology** – Smart Concrete, Non-Destructive Tests
- **Building Materials and Constructions**
- **Bridge Engineering** – Prestressed Concrete BOX Girders
- **Green Buildings** – Sustainable Engineering Materials, Green Materials

### 17. Subjects Taught During Last Three Years

- Design of Steel Structures - (B.Tech – III-II Semester)
- Advanced Design of Steel Structures – (M.Tech – I-II Semester)
- Bridge Engineering- (M.Tech – I-I Semester)
- Advanced Structural Analysis – (M.Tech – I-I Semester)
- Advanced Concrete Technology- (M.Tech – I-I Semester)
- Strength of Materials- (B.Tech – II-I Semester)
- Environmental Impact Assessment and Management – (B.Tech – III-I Semester)
- Green Buildings (B.Tech – III-I Semester)
- Prestressed Concrete Structures (B.Tech – IV-I Semester)
- Design of Prestressed Concrete Structures (M.Tech – III Semester)

### 18. Introduction of Syllabus Up-Gradation

- Revised the B.Tech(Civil) & M.Tech(Structural Engineering) **MR-14** syllabus as per the college autonomous norms as a board of studies member.
- Revised the B.Tech(Civil) & M.Tech(Structural Engineering) **MR-15** syllabus as per the college autonomous norms as a board of studies member.
- Revised the B.Tech(Civil) & M.Tech(Structural Engineering) under CBCS guided by UGC, **MR-16** syllabus as per the college autonomous norms as a board of studies member.
- Revised the B.Tech(Civil) & M.Tech(Structural Engineering) under CBCS guided by UGC, **MR-17** syllabus as per the college autonomous norms as a board of studies member
- Revised the B.Tech(Civil) & M.Tech(Structural Engineering) under CBCS guided by UGC, **MR-18** syllabus as per the college autonomous norms as a board of studies member
- Revised the B.Tech(Civil) & M.Tech(Structural Engineering) under CBCS guided by UGC, **MR-20** syllabus as per the college autonomous norms as a board of studies member

### 19. B.Tech Project Works/ M.Tech Thesis

- B.Tech – 35 Projects Works Completed
- M.Tech – 20 Thesis Completed, 2 Under Progress



## 20. Extra Curriculum Activities

- Attended as a Judge for the National Level Technical Symposium- TEXPLOSION 2K14 held in **Malla Reddy Institute of Technology** on 7<sup>th</sup> to 8<sup>th</sup> March 2014
- Given Guest Lecture on Basics of Structural Engineering in **Aurora's Technological and Research Institute** on 11<sup>th</sup> January 2016.
- Attended as a Lab External Examiner, Question paper setter, Scripts Correction, Exam observer in various Institutions
- Qualified in **Assistant Executive Engineer** Exam conducted by Telangana Govt in the year 2015 (**Score- 235**)
- Participated in the Massive Bucket Immersion Campaign organized by Lee Shreyus Foundation in Association with Bharat Today, NSS unit, MREC(A).
- Strong in Outcome Based Education by attending various Workshops on OBE.
- Gained Experience in acquiring UGC, NAAC, NBA (UG &PG), ABET Accreditations.
- Secured **Chartered Engineer license** from Institution of Engineers, India (**M-1617472**)
- Received “Best citizen of India Gold Medal Award” from Global Economic Progress and Research Association on 05-03-2018
- Received “Innovative Professor of the Year” from Global Teaching Excellence Award 2020” on 27-12-2020
- Received “Best Editorial Board member from “Yuva Engineers Magazine ” with ISSN No: 2320-3706 for Academic Year 2020-21
- Received an Appreciation certificate for notable contribution as a Resource Person for “One Day online Webinar on “Improvement of Academic Performance Index” organized by Srinivasa Ramanujan Institute of Technology on 19-07-2021.

**Personal Profile :**

Name : Basava Vamsi Krishna  
Father's Name : B. Sankar Babu  
Date of Birth : 20<sup>th</sup> Feb 1987  
Gender : Male  
Marital Status : Married  
Nationality : India  
Citizenship : India  
Languages Known : Telugu, English and Hindi

**Declaration:** I hereby declare that all the above furnished information is true and correct the best of my knowledge

**Date:** 29-07-2022

**Place:** Hyderabad

**(B. VAMSI KRISHNA)**



**Er. B. VAMSI KRISHNA**

A.M.I.E, M.I.E, C.Engg

M.S (Structural Engineering)

Associate Professor

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# **INNOVATIVE TEACHING APPROACHES DURING COVID-19**

**(July 1, 2021 to June 30, 2022)**

When COVID hit, educational institutions had to reinvent their approaches to learning and teaching in record time. Teachers around the world quickly realized that teaching online would need a different approach if they were going to keep students engaged during such disruptive times. Perhaps even more challenging was catering to learners from diverse backgrounds.

I changed the length, format and the timing of my courses. Previously, I would alternate between theory, case studies and group work. For remote learning, though, I adapted the model. Instead of having classes last from 10 a.m. to 4 p.m. on Zoom, I recorded the all online classes and theoretical content asynchronously and published in my YouTube Channel (<https://www.youtube.com/c/vamsiKrishnabasava/videos>), so that students could go over these important topics and elements at their own pace.

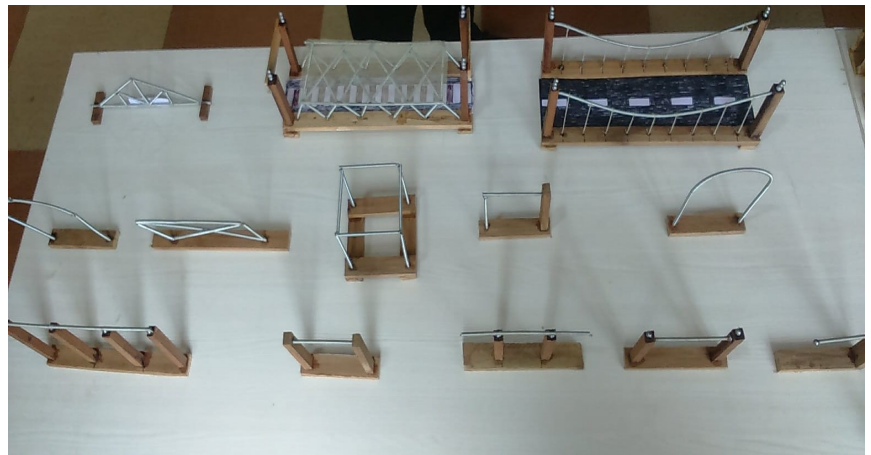
I also adapted an e-book which is copyrighted on my own that comes with **complete lecture notes, working models photos, quizzes and videos** so that when they read the textbook, they can review their answers simultaneously. The theory is covered at their own pace and when we meet online for a live session; I try as much as possible to make them learn in an interactive setting, so I get them into breakout rooms to discuss a topic or

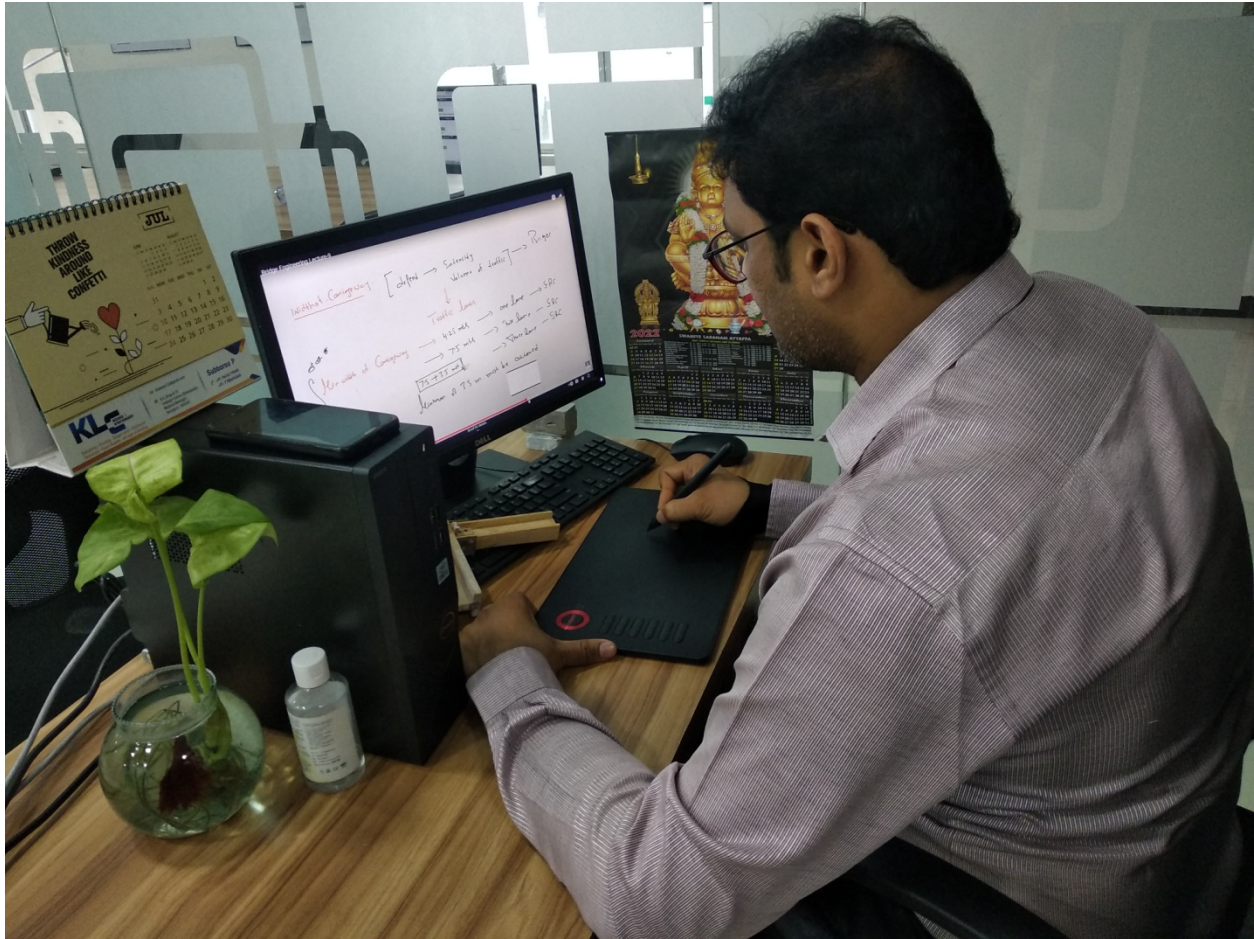
reflection question.



*Steel Models prepared for Effective teaching in online*

*Bridge Models prepared for Effective teaching in online*





***Using Digital Pen Tablet for Online Teaching in COVID-19***

**Feedback:**

One student told me that this new approach has surpassed her expectations for online learning. Many students took the time to write to me personally to tell me how much they enjoyed this new format, as well as all the virtual activities and appearances by guest speakers.

## LECTURE VIDEOS ON MY COURSES IN PANDEMIC (COVID-19)

(July 1, 2021 to June 30, 2022)

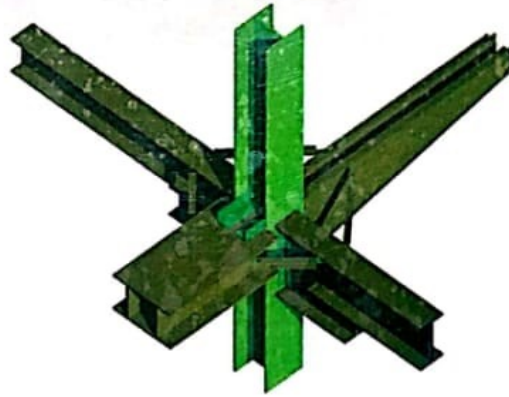
<https://www.youtube.com/c/vamsiKrishnabasava/videos>

S.No	Title of Video	YouTube Web-Link
1	Bridge Engineering Lecture-12 (Pipe Culvert)	<a href="https://www.youtube.com/watch?v=OxeF6rEY8">https://www.youtube.com/watch?v=OxeF6rEY8</a>
2	Bridge Engineering Lecture-11 (Pipe Culvert)	<a href="https://www.youtube.com/watch?v=jP0EVplpb7U">https://www.youtube.com/watch?v=jP0EVplpb7U</a>
3	Bridge Engineering Lecture-10 (Pipe Culvert)	<a href="https://www.youtube.com/watch?v=cqFQFbXTJGM">https://www.youtube.com/watch?v=cqFQFbXTJGM</a>
4	IS Codes & Recommendations in Concrete Technology Session-1	<a href="https://www.youtube.com/watch?v=kIcBCd319aI&amp;t=671s">https://www.youtube.com/watch?v=kIcBCd319aI&amp;t=671s</a>
5	IS Codes & Recommendations in Concrete Technology Session-2	<a href="https://www.youtube.com/watch?v=YqHAWue7dxY&amp;t=499s">https://www.youtube.com/watch?v=YqHAWue7dxY&amp;t=499s</a>
6	IS Codes & Recommendations in Concrete Technology Session-4	<a href="https://www.youtube.com/watch?v=FLUr5SYzgNg&amp;t=391s">https://www.youtube.com/watch?v=FLUr5SYzgNg&amp;t=391s</a>
7	IS Codes & Recommendations in Concrete Technology Session-3	<a href="https://www.youtube.com/watch?v=4IeAAN9v8SA&amp;t=386s">https://www.youtube.com/watch?v=4IeAAN9v8SA&amp;t=386s</a>
8	Bridge Engineering Lecture-9	<a href="https://www.youtube.com/watch?v=clixXXu3SuY&amp;t=100s">https://www.youtube.com/watch?v=clixXXu3SuY&amp;t=100s</a>
9	Bridge Engineering Lecture-8	<a href="https://www.youtube.com/watch?v=ZGsnjOWfm8w">https://www.youtube.com/watch?v=ZGsnjOWfm8w</a>
10	Bridge Engineering Lecture-7	<a href="https://www.youtube.com/watch?v=Hm8_ut-L4oE&amp;t=1921s">https://www.youtube.com/watch?v=Hm8_ut-L4oE&amp;t=1921s</a>
11	Bridge Engineering Lecture-5	<a href="https://www.youtube.com/watch?v=-musk6SiSlg&amp;t=1184s">https://www.youtube.com/watch?v=-musk6SiSlg&amp;t=1184s</a>
12	Bridge Engineering Lecture-4	<a href="https://www.youtube.com/watch?v=SGFG-3uvnmk&amp;t=374s">https://www.youtube.com/watch?v=SGFG-3uvnmk&amp;t=374s</a>
13	Bridge Engineering Lecture-2	<a href="https://www.youtube.com/watch?v=o188PtdGa0A">https://www.youtube.com/watch?v=o188PtdGa0A</a>
14	Bridge Engineering Lecture-6	<a href="https://www.youtube.com/watch?v=h2vFp-JnKE8">https://www.youtube.com/watch?v=h2vFp-JnKE8</a>
15	Bridge Engineering Lecture-3	<a href="https://www.youtube.com/watch?v=BbD_Vh24rnM">https://www.youtube.com/watch?v=BbD_Vh24rnM</a>
16	Bridge Engineering Lecture-1	<a href="https://www.youtube.com/watch?v=XTo6HhIAt84&amp;t=1395s">https://www.youtube.com/watch?v=XTo6HhIAt84&amp;t=1395s</a>

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