



V.V Sangha's  
**RAO BAHADUR Y MAHABALESWARAPPA ENGINEERING  
COLLEGE**  
Cantonment, Ballari – 583103



## DEPARTMENT OF CIVIL ENGINEERING

### ABHIYANTHA NEWSLETTER 2020-21

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##### Contents:

- Faculty joined department.
- Research work & Funded Projects.
- Research center Activities
- Faculty Paper publications
- BOE,BOS LIC etc
- Student toppers.
- Departmental Activities
- Inauguration of Skill and Innovation center
- Internship at Skill and Innovation center
- Survey camp
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- Consultancy activities.

#### HOD Message

The department of civil engineering is committed with a vision of producing technically, professionally; excellent, knowledgeable, globally competitive civil engineers committed for the sustainable development of the society and with a mission of providing quality education, to pursue higher education and exemplary professional civil engineers with entrepreneurial skill.



I personally look forward to integrate my experience of over 26 years in teaching and research into the learning systems and the collective efforts of the faculty of the department and build a comprehensive methodology that encompasses whatever that matters for nurturing the minds of our students.

I look forward for preparing my students to face the challenges that engineering sector would offer in the future and succeed in offering technological solutions for the betterment of the society and our nation. I wish all our students a bright future.

#### Department VISION

To produce technically, professionally excellent, knowledgeable, socially responsible and globally Competitive Civil Engineers, committed for the sustainable development of the society.

#### Department MISSION

- To provide quality education, globally competitive for a successful career in civil engineering.
- To develop the student to pursue higher education with the state of mind of continuous up gradation.
- To provide service to society through consultancy, construction protection and preservation of environment and research in civil engineering field.
- To produce exemplary professional civil engineers with entrepreneurial skill.

## NEW FACULTY JOINED THE DEPARTMENT

Sl.No	Faculty Name	Designation	Qualification
1	Vinayaka.N.M.	Asst.Prof	M.Tech.,
2	Megha.N.B.	Asst.Prof	M.Tech.,
3.	Bhargavi.J.	Asst.Prof	M.Tech.,

## RESEARCH WORK & FUNDED PROJECTS

Student Project proposals Approved for Sponsorship by VTU for the Year 2020-21

SlNo	Project Title	Project Coordinator	Students	Amount
1	To study the engineering properties blocks and rammed earth made by clays, fibers and pozzolans by applying low cost housing technology.	Mr. M.R Vijayakumar	Shravan K Kattegowda R Renukaprasanna G B	Rs. 5,000.00/-
2	.Physico-Chemical Parameters of Industrial waste water and its treatment by adsorption method	Mr. Adangouda	Poornima B.umme Zaiba Nusrath Jayalaxmi Karishma.M Ravikumar.B	Rs. 5,000.00/-

## RESEARCH CENTRE ACTIVITIES

Civil Engineering Department has recognized research centre affiliated to VTU was established in 2014. Currently Eight number research scholars were registered for Ph.D and carrying the research work at research centre.

Sl.No.	Name of the Guide	Name of Research Scholar	University	Status of Research
1	Dr.H.M.Mallikarjuna	Aijaz Hussain	V.T.U.	Course Work is completed.
2	Dr.H.M.Mallikarjuna	Adana Gouda	V.T.U.	Course Work & Comprehensive Viva Voce is completed.
3	Dr.M.S.Shobha	Mahesh Sajjan	V.T.U.	Course Work & Comprehensive Viva Voce is completed
4	Dr.Vaishali G Ghorpade	Pushpalatha R Gadag	JNTU	Course Work is completed.
5	Dr. H. Sudarsana Rao	Sachin Patil	JNTU	Submitted final thesis. Awaiting for viva voce



6	Dr.M.S.Shobha	Basavalingappa	V.T.U.	Course Work is completed.
7	Dr.	Basavaprabhu.M.S.	V.T.U.	Course Work is completed
8	Dr.	PavanKumar.M.	V.T.U.	Course Work is completed
9	Dr.M.S.Shobha	Rajani Umapathi	V.T.U.	Course Work is not completed
10	Dr.M.S.Shobha	Md.Khalid	V.T.U.	Course Work is not completed
11	Dr.M.S.Shobha	AnilKumar.H.M	V.T.U.	Registered.
12	Dr.Srishaila.J.M	Gurupadaswamy.N. M.	V.T.U.	Registered.
13	Dr.Srishaila.J.M	Sunil Kumar	V.T.U.	Registered.
14	Dr.M.S.Shobha	Nayana.B.S.	V.T.U.	Registered.

## PAPER PUBLICATION BY FACULTY

1.Dr.H.M.Somasekharaiah “Strength and durability studies on Hybrid Fiber Reinforced high performance concrete for silica” ICCSI -2021

2.M R Vijaya kumar “Study on Properties of Light Weight Concrete made using Local Industrial by Products” International Journal of Engineering Trends and Technology Volume 69 Issue 4, 2021.

3.Pushpalatha R Gadag “Evaluation of strength parameters of metakaolin and nano silica incorporated high performance concrete” ICCSI -2021

4.Adanagouda “Strength and durability studies on Hybrid Fiber Reinforced high performance concrete for silica fume based Mineral Admixture” ICCSI -2021

5.Sachin Patil “Chloride Penetration Resistance and Behaviour Under Acid Attack of Metakaolin and Silica Fume Based Composite Fiber (Glass and Polypropylene) Reinforced High Performance Concrete” IJETT Volume 69 Issue 4, 188-203, April 2021

6.Sachin Patil “Evaluation of Strength Properties of Fly ash and Met kaolin Based Composite Fiber (Glass and Polypropylene) Reinforced High-Performance Concrete” IJETT Volume 69 Issue 4, 188-203, April 2021

7.Sachin Patil “Effect of Fly ash, Silica fume, Glass Fiber and Polypropylene Fiber on Strength Properties of Composite Fiber Reinforced High Performance Concrete” IJETT Volume 69 Issue 5, 69-84, May 2021

8.Sachin Patil “Behaviour of Fly Ash and Metakaolin Based Composite Fiber (Glass and Polypropylene) Reinforced High Performance Concrete under Acid” Civil engineering and architecture Vol. 9, No. 4, pp. 1026 - 1047, 2021

9. Adanagouda, Dr.H M Mallikarjuna, Dr.Shobha M.S. “Mechanical Properties and Acid Attack test of Hybrid fiber reinforced high performance concrete for fly ash based mineral admixture” Material today Proceeding MATPRD21-05240

10. Adanagouda, Dr.H M Mallikarjuna, Dr.Shobha M.S. “Combined effect of metakolin and hybrid fibre on strength properties of high performance Concrete” Material today Proceeding MATPRD21-05240

11. Dr. Srishaila.J.M “The combined effect of GGBS and low volume fibres on the low-velocity impact and mechanical properties of Self-compacting concrete” in Global Conference on Recent Advancements in Sustainable Materials (GC-RASM 2021) held at A.J.College of Engineering, Managalore on 29 – 30, July 2021

### **BOE, BOS, LIC etc**

Dr.M.S.Shobha Professor, Department of Civil Engineering, RYMEC, appointed as a BOE-Member in VTU for the academic year 2020-21

### **STUDENT TOPPERS 2020-21**

<b>4 th Semester</b>				
<b>Sl.No</b>	<b>Student Name</b>	<b>USN</b>	<b>Total Marks</b>	<b>Percentage</b>
<b>1</b>	BANAKARA KUSUMA	3VC19CV006	765/800	96.63
<b>2</b>	SOWMYA.P	3VC19CV067	762/800	95.25
<b>3</b>	SYED MUDASIR	3VC19CV006	741/800	92.63

<b>6<sup>th</sup> Semester</b>				
<b>Sl.No</b>	<b>Student Name</b>	<b>USN</b>	<b>Total Marks</b>	<b>Percentage</b>
<b>1</b>	RASHMI P JADHAV	3VC18CV076	618/800	77.25
<b>2</b>	GULNAZ	3VC18CV036	610/800	76.25
<b>3</b>	TASLEEM SULTANA	3VC17CV100	602/800	75.25


<b>8<sup>th</sup> Semester</b>				
<b>Sl.No</b>	<b>Student Name</b>	<b>USN</b>	<b>Total Marks</b>	<b>SGPA</b>
<b>1</b>	POORNIMA	3VC18CV429	657/700	9.75
<b>2</b>	SARDHAR SHASHIKUMAR	3VC17CV091	649/700	9.45
<b>3</b>	VEENA.M.S.	3VC16CV068	645/700	9.43



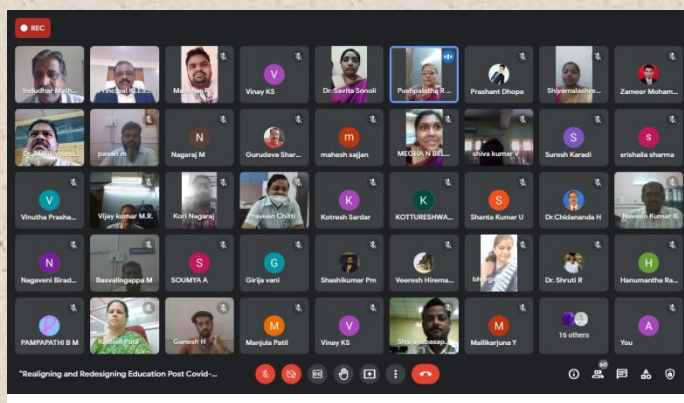
M.Tech 1 <sup>st</sup> Semester (Structural Engineering)				
Sl.No	Student Name	USN	Total Marks	Percentage %
1	SHIVARAJA K	3VC20CSE12	560/700	80.00
2	VIDYASHREE M HALLUR	3VC20CSE16	543/700	77.57
3	TANUSHA S M	3VC20CSE14	534/700	76.28

M.Tech 3 <sup>rd</sup> Semester (Structural Engineering)				
Sl.No	Student Name	USN	Total Marks	Percentage %
1	SHUBHA, MANJULA	3VC19CSE14, 3VC19CSE08	430/500, 430/500	86.86
2	KAVYA K.P	3VC19CSE05	422/500	86.6
3	PRITHVI RAJ	3VC19CSE11	419/500	85.00

## DEPARTMENTAL ACTIVITIES

1.	 <p>V.V. Sangha's Rao Bahadur Y. Mahabaleswarappa Engineering College Cantonment, Ballari-583104</p> <p><b>"TECHNICAL TALK"</b> On "Latest Innovative Applications of White Cement"</p> <p>Organized by <b>Department of Civil Engineering</b></p> <p>In Association with <b>JK White Cement</b></p> <p>Speaker: <b>Er. Veerendra Nijampure</b> Zonal Head-Technical, JK White Cement, Bangalore</p> <p>Patrons Sri HM Gurusiddha Swamy, President, VV Sangha Ballari Sri Allum Channappa, Vice President, VV Sangha Ballari Sri BV Basavaraj, Secretary, VV Sangha Ballari Sri Darur Shanthana Gowda, VV Sangha Ballari Sri Gopal Rajashekar Gowda, VV Sangha Ballari Dr T Hanumantha Reddy, Principal, RYMEC, Ballari</p> <p>Warm Regards Dr HM Mallikarjuna HOD Department of Civil Engineering, RYMEC, Ballari</p> <p>May 22, 2021 3PM Onwards</p> <p>Join Google meet Link: <a href="https://meet.google.com/mwey-cryv-qah">https://meet.google.com/mwey-cryv-qah</a></p>	<p>Technical online talk on "Latest Application of white cement" by Er.Veerendra Nijampure, Zonal Head technical, J.K.Cements, Bangalore</p>
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2.



Guest Talk (online) on  
**“Realigning and Redesigning Education Post Covid-19 Pandemic”** by Dr.Basavaraj Katageri, Principal, KLE Dr. M.S.Sheshgiri College of Engineering and Technology, Belgaum

3.

V.V. Sangha's  
 Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari  
 [Formerly Vijayanagar Engineering College]  
**Department of Civil Engineering**  
**Alumni Association**  
**Alumnus Talk on**  
**“Concrete and Construction Chemicals- Few Practical Aspects”**  
**Resource Person**

**Date: 18<sup>th</sup> August 2021**  
**Time: 11.00 AM Onwards**

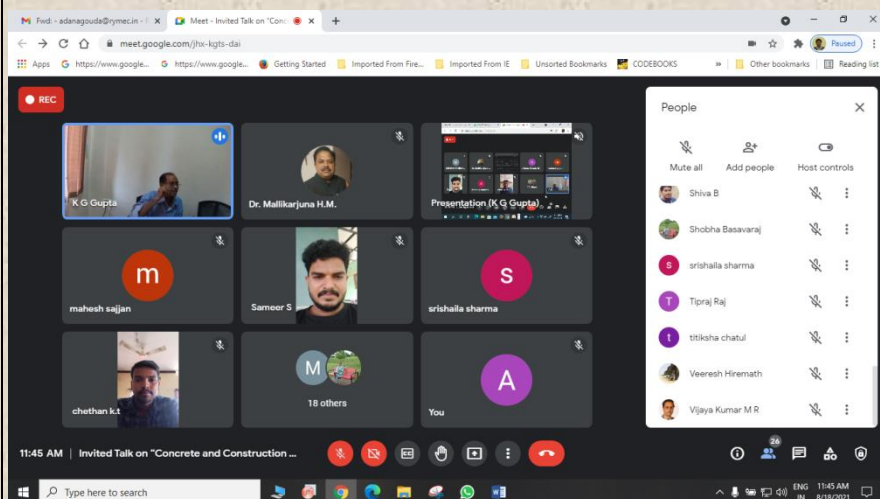
  
**Dr. K G GUPTHA**  
 Professor & HOD,  
 Goa College of Engineering, Farmagudi- Goa

  
 Google meet Link  
<https://meet.google.com/jhx-kgts-dai>

**Principal: Dr T.Hanumatha Reddy**

**Alumni Office Bearers:** Dr. H M Mallikarjuna, President; Prof. M R Vijaya Kumar, Vice-President; Dr. M S Shobha, Vice-President; Mr. Adanagouda, Secretary; Mr. Sachin Patil, Treasurer; All Alumni Members, Staff and Students.

<b>Sri H.M Gurusiddha Swamy</b> President, V V Sangha, Ballari.	<b>Sri Allum Channappa</b> Vice-President V V Sangha, Ballari.	<b>Sri B V Basavaraj</b> Secretary V V Sangha, Ballari.	<b>Sri Darur Shanthana Gowda</b> Asst- Secretary V V Sangha, Ballari.	<b>Sri Gonal Rajashekar Gowda</b> Treasurer V V Sangha, Ballari.
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Alumni Talk (on line webinar) on Concrete and construction Chemicals – few practical aspects by Dr.K.G.Gupta, Professor and HoD Goa College of Engineering, Farmagudi- Goa on 18/08/2021



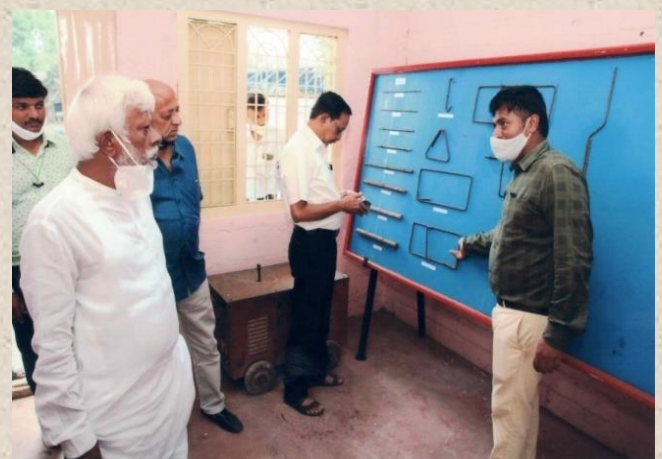
4.	 	<p>Department of Civil Engineering, RYMEC organized Alumni meet “<b><u>APOORVA MILANA</u></b>” on 28<sup>th</sup> August 2021</p>
6.	 	<p>Department of Civil Engineering conducted Awas par Samvaad” on “Technology and Innovation” in coordination with PMAY-Urban, Ministry of Housing and Urban affairs, Government of Karnataka, and District Administration, Ballari on 28.09.2021</p>

## INAUGURATION OF SKILL DEVELOPMENT AND INNOVATION CENTRE

Skill Development and Innovation centre, Department of civil Engineering, was established in well positioned to act as a catalyst, to bring about a holistic change in the construction industry. Skill Development and Innovation centre operations  
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are in the area of skill development, skill up gradation and capacity of buildings of all types of human resources, exclusively for construction industry. The main purpose is to develop and build capacities of human resources to enhance quality and productivity of construction industry. Skill Development and Innovation centre conducts trainings for unemployed youth, workers, tradesmen, construction engineers, contractors, managers, supervisors and technicians to develop skill and inculcate professionalism and contribute significantly towards creation of strong technical workforce that would bridge the gap between industry requirements and academic orientation.





## INTERNSHIP AT SKILL DEVELOPMENT AND INNOVATION CENTRE

The students have to work in industry to set-up related to the construction activities, materials testing laboratories and project management. and other avenues related to the civil engineering domain in consultation and approval of internship guide/HOD /internship committees of the institutions. Student shall make a midterm and final presentation of the activities undertaken during the first 6 weeks and at the end of 12th week of internship respectively, to a panel comprising internship guide, a senior faculty from the department and head of the department. Each student should submit the internship report at the end of semester with internship certificate. In this regard the student has worked various civil Engineering activities such as Prepare the Plan for the building with NBC norms and Vastu, Elevation of building by Google sketch up, Hands on session on bar bending work, masonry work, Plumbing work, and Painting work .





## SURVEY CAMP



Extensive Survey Camp carried out as part of curriculum prescribed by the VTU by 6<sup>th</sup> Semester Students at Devasamudra, Mollakalmur Taluk Chitradurga District for 7 days. The details of survey projects are listed below.

1. New Tank Project.
2. Old Tank Project
3. Town Planning and Water Supply Project
4. Highway Project

## MOU

1. Department of Civil Engineering made MOU with **National Highway Authority Of India , Hosapete Region**, Ballari on 14-July-2020.

## Consultancy Activity

The Department has done 3rd party inspection for following government/company works:

- ValmikiBhavan,Nallacheruvu, Ballari.
- Karnataka State Open University Building, Ballari.
- City Municipality Corporation, Ballari.
- Taluk Municipality Corporation,Siruguppa.
- Taluk Municipality Corporation,Sandur.
- Town Municipality Corporation,Tekkalakote.
- ZillaPunchayat, Ballari
- Minor Irrigation,Ballari.
- JSW,Torangallu.
- BUDA,Ballari

The Department undertaking the testing of Construction materials, soil testing and concrete testing including NDT. The Government organizations, Public sectors, and Private sectors are utilizing the facility.