



## **Dr.T.THIMMAIAH INSTITUTE OF TECHNOLOGY**

### **DEPARTMENT OF CIVIL ENGINEERING**

**SHILANYAS 2022-2023**

#### **PRESIDENT MESSAGE**

I am glad that the department of civil engineering is releasing the seventh edition of its annual newsletter SHILANYAS. I would like to see very active student participation and also more activities to be covered in the coming editions. I wish all students to excel in the coming examinations.

#### **FROM PRINCIPAL DESK**

I am happy to know the release of seventh edition of SHILANYAS. The seventh edition of the department newsletter has seen a good response from students and staff. I wish this newsletter will also bring the same kind of response and wish its editorial team all success.

#### **ABOUT THE DEPARTMENT**

The department of civil engineering was established in the academic year 2014 with an aim of promoting high quality education in the field of civil engineering. Besides imparting classroom training, the department has the policy of organizing technical visits and expert talk to give exposure to the practical field. Adequate training is provided to our students for getting placements in various companies. The students are also encouraged to do projects in industries to acquaint them with practical problems. The academic activities of the department emphasis deep understanding of fundamental principles, development of creative ability to handle the challenges of civil engineering and the analytical ability to solve the problems which are inter disciplinary in nature.

#### **AT A GLIMPSE**

- **FACULTY ACTIVITIES**
- **STUDENTS ACTIVITIES**
- **Workshops attended**

## **PATRONS**

**Dr.T.VENKAT VARDHAN**

**PRESIDENT,GVET**

**Sri.RAOUL KENGAL VARDHAN**

**VICE PRESIDENT ,GVET**

**Dr.SYED ARIFF**

**PRINCIPAL**

## **CHIEF EDITOR**

**Prof.M.MANEELA**

**Asst. Prof.Dr.TTIT,KGF**

## **EDITORIAL BOARD**

**Prof.Smruthi Kirana M D**

**Asst. Prof.Dr.TTIT,KGF**

## **VISION OF THE DEPARTMENT**

To produce engineers having professional and leadership qualities with capacity to take up professional assignment in civil engineering and allied field with focus on interdisciplinary and innovative approach leading to sustainable growth of society

## **MISSION OF THE DEPARTMENT**

- 1.To develop /inculcate innovative methods through industry institute interaction.
- 2.To impart soft skills & leadership qualities among the graduates by providing professional training.
- 3.To deal with contemporary issues & cater to the society needs.

## **Program Educational Objectives (PEO'S)**

**PEO 1:** To train the students so that they can work and contribute to the infrastructure development projects being undertaken by Govt. to private sector companies.

**PEO 2:** To train students to pursue higher studies and contribute to the teaching profession/ research and development of civil engineering and other fields.

**PEO 3:** To train students to function effectively in the multicultural, multidisciplinary and multiethnic groups for the sustainable development and growth of civil engineering projects and profession.

## **Program Specific Outcomes (PSO's)**

### **1.Understanding**

Graduates shall demonstrate sound knowledge in analysis, design, laboratory investigations and construction aspects of civil engineering infrastructure, along with good foundation in mathematics, basic sciences and technical communication.

### **2.BroadnessandDiversity**

Graduates will have a broad understanding of economical, environmental, societal, health and safety factors involved in infrastructural development, and shall demonstrate ability to function within multidisciplinary teams with competence in modern tool usage

### **3.Self-LearningandService**

Graduates will be motivated for continuous self-learning in engineering practice and/or pursue research in advanced areas of civil engineering in order to offer engineering services to the society, ethically and responsibly.

## **FACULTY ACHIEVEMENTS**

### **Webinars Conducted**

- Department of Civil Engineering, Dr.T.Thimmaiah Institute of Technology, KGF conducted Five Days Workshop on “An **Overview of Design & detailing of RCC Structures**” from 15.12.2022 to 19.12.2022 by Mr.Siva Rami Reddy Director, Gambrel Engineers LLP, Hyderabad.



**Faculties and Students attending Five Days Workshop on “An Overview of Design and Detailing of RCC Structures”**

**Webinars /Quiz Attended**

- Prof. Silviya L & Shashi Kumar V N has participated in session on “**Virtual Session on My story –Motivational Session**” by successful Entrepreneur organized by department of Civil Engineering in association with IIC, Dr.TTIT, KGF on 24.11.2022.
- Prof. Shashi Kumar V N has participated in Green Talk with Experts on “**Efficient Rain water harvesting**” organized by Department of Civil Engineering –JUIT Solan in collaboration with Indian Green Building Council, Chandigarh on 24.11.2022.
- Prof Shashi Kumar V N has participated in the “**Naren Quiz Contest 2022 (Online)**” organized by the Naren IAS Academy ,Vivekananda College , Tiruvedakam West Madhurai during 26.11.22 to 30.11.22
- Prof. Shashi Kumar V N has participated in International Webinar titled “**Reflections on Gulamgiri by Jyothirao Phule** “ conducted on 27.11.2022 organized by Vishwaneedam Center for Asian Blossoming, Puducherry and Chennai.
- Prof. Shashi Kumar V N has participated in session on “**Problem Solving and Ideation**” workshop organized by Vel Tech Institution’s Innovation Council at Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science & Technology on 28.11.2022.

- Prof. Shashi Kumar V N has participated in five day short term training program on “**GIS for Smart City**” organized by Department of Civil Engineering, Presidency University, Bengaluru in association with Karnataka Science and Technology Academy (KSTA) from 12.12.22 to 16.12.22.
- Prof. Shashi Kumar V N has participated in seven day virtual National Level Faculty Development Program on “**Research Methodology**” organized by Department of Commerce , PPG College of Arts & Science ,Coimbatore from 12.12.22 to 19.12.22.
- Prof. Shashi Kumar V N has participated five day International Webinar on “**Current Trends and Future Advances in Chemical Science & Life Sciences**” organized by Department of Chemistry and Botany, JMJ College for women, Tenali from 13.12.2022 to 17.12.2022.
- Prof. M.Maneela, Prof.Silviya L, Prof. Praveen K , Prof. Shashi Kumar V N ,Prof. Smruthi Kirana M D, Prof. Anitta Mabel & Dr. Bharath M from Department of Civil Engineering, Dr.T.Thimmaiah Institute of Technology, KGF attended Five Days Workshop on “**An Overview of Design & Detailing of RCC Structures** “ from 15.12.2022 to 19.12.2022 by Mr.Siva Rami Reddy Director, Gambrel Engineers LLP, Hyderabad conducted by Civil Department, Dr.TTIT ,KGF.
- Prof. Shashi Kumar V N has participated and successfully completed the five days online FDP on “**Advancements in Civil Engineering**” organized by Department of Civil Engineering, Ballari Institute of Technology & Management ,Belagavi from 19.12.2022 to 23.12.2022.
- Dr.Bharath M & Prof.Shashikumar V N Participated in Virtual webinar on “**Foundation Green**” organized by the Dr.TTIT Kolar, Local Center & IIC ,Dr.TTIT, KGF on 16.01.2023.
- Prof. Shashikumar V N has participated and successfully completed the five days online FDP on “**Current Research Trends in fields of Civil Engineering** ” organized by Department of Civil Engineering in association with Academic Staff College ,OP Jindal University from 16.01.2023 to 20.01.2023.
- Dr. Bharath M & Prof.Smruti Kirana M D has successfully completed three days workshop on “**Machine Learning for Civil Engineers**” held at RASTA –center for road Technology ,Bangalore from 02.02.23 to 04.02.2023.
- Prof. Shashi Kumar V N has participated and successfully completed the six day online FDP on “**Futuristic Trends in Civil engineering** ” organized by Department of Civil Engineering at Kongunadu College of Engineering and Technology from 06.02.2023 to 11.02.2023.
- Prof. M Maneela Participated in Online webinar on “**Sustainable Cities with ESG Impact**” organized by the Department of Civil Engineering ,Sir MVIT Bengaluru on 23.02.2023.
- Prof. M Maneela Participated in Online webinar on “**How to Design Duplex Building in 2 hours –STAAD PRO** ” organized by Gambrel Engineers LLP on 05.03.2023.
- Prof. M Maneela Participated in Online webinar on “**Learn Five key comparisons STAAD PRO VS ETABS** ” organized by Gambrel Engineers LLP on 19.03.2023.

- Prof. Smruthi Kirana M D Participated in One day national Online workshop on **“How to write and Publish books”** conducted by HI Learn Edutech Institute, Bijapur. on 21.03.2023.
- Prof. M Maneela Participated in Online webinar on **“Effect of Wind & Earthquake on Live Building \*G+5)-staad”** organized by Gambrel Engineers LLP FROM 28.03.2023 TO 04.04.2023.
- Prof. Smruthi Kirana M D Participated in One week national Online hands in training on **“Programming for Basic to Advanced Statistics & GIS”** from 04.04.2023 to 10.04.2023.
- Prof. Shashi Kumar V N has participated and successfully completed the five day online FDP on **“Inculcating Universal Human values in Technical Education”** organized by AICTE from 29.05.2023 to 02.06.2023.
- Prof. Shashikumar V N has attended a one week short term online course on the **“Emerging Technologies in Infrastructure Development ”** sponsored by Indian Society for Technical Education ,New Delhi during 29.05.2023 to 03.06.2023 organized by Department of Civil engineering at P.R.Pote College of Engineering & Management, Amaravati.
- Prof. Anitta Mabel has participated and successfully completed one week AICTE-VTU Joint Teachers Training Programme on **“Smart materials & systems “** organized by VTU Centre for PG Studies, Muddenahalli, Chickaballapur from 29.05.2023 to 02.06.2023.
- Prof. Shashikumar V N Participated in five days FDP on **“Technological Advancements in Civil engineering ”** organized by the Department of Civil Engineering, Mangalam College of Engineering, Kottayam from 19.06.23 to 23.06.2023.
- Prof. Smruthi Kirana M D Participated in online webinar on **“Assessment & upgradation of Deteriorating Reinforced Concrete Structures: A Reseacher’s View”** conducted by Ultratech Cement on 24.06.2023.
- Prof. Shashikumar V N Participated in online webinar on **“Diaster Risk Reduction ”** conducted by Ultratech Cement Ltd on 08.07.2023

### **Industrial Visit**

- Dr.Bharath, Prof. Shashi Kumar & Prof. Smruthi Kirana M D along with 3<sup>rd</sup> Sem,5<sup>th</sup> Sem & 7<sup>th</sup> Sem Students visited Architectural Building as a part of Industrial visit on 03.12.2022.



### Papers Published

- Dr.Syed Ariff, Prof.Maneela, Prof. Shashi Kumar V N, Prof.Smruthi Kirana M D published a Paper titled “**Structural Analysis and Design of Intergenerational Center**” in International Research Journal of Modernization in Engineering Technology and Science(IRJMETS).
- Prof. Maneela , Dr.Syed Ariff, Prof. Shashi Kumar V N, Mr.Jayanth M published a Paper titled “**Spatial & Structural design of Anganwadi Center using ETABS and Sketch Up**” in International Journal of Multidisciplinary Research(IJFMR).
- Dr. Bharath M & Prof. Smruthi Kirana M D presented a technical paper entitled “**Comparative Study of Electro Coagulation process on Land fill leachate using Optimization Technique**” in the “**National Conference on Recent Multidisciplinary Research in Civil Engineering**” held on 1<sup>st</sup> & 2<sup>nd</sup> June 2023 organized by Department of Civil engineering in association with ACES and DBIT ICI-Student chapter at Don Bosco Institute of Technology, Bengaluru.
- Dr. Bharath M presented a research article (oral) in Second International Conference on Advanced Materials for Health, Energy and Environment organized by Department of Chemistry, Biotechnology, Environmental Engineering, Polymer Science & Technology from 28.02.23 to 02.03.23.
- Prof. Shashi Kumar V N published a Paper titled “**Study on Durability Properties of Self Compacting Concrete made with M-sand and Fly Ash**” under Civil Engineering track during 5<sup>th</sup> International Conference on Recent Trends in Technology, Engineering and Applied Science (ICRTTEAS-2023) held on 19.05.23 to 20.05.23

### **Faculty Achievements:**

- Prof. Shashi Kumar V N has received Best HOD Award for his contribution to the College Yogananda Institute of Technology and Science (JNTUA) ,Tirupati,Andhra Pradesh for a period of 2020-2022 by Scientific International Publishing House .
- Prof. Shashi Kumar V N has been added to the World Scientist and University Rankings 2023 for having good publication records ,Research Gate Scholar and Google Citations .
- Dr, Bharath has successfully completed Ph.D titled “ **Comparative Study of Landfill Leachate Treatment by Electro Coagulation and Electro Fenton Processes** “ under VTU Belagavi.
- Prof.M.Maneela has successfully completed comprehensive Viva titled “**Study on soil strength variability and its impact on slope stability**” under the guidance of Dr.Syed Ariff Under VTU Belagavi .
- Dr, Bharath gave a session on “ **Session on achieving Problem-Solution fit & product –market Fit** organized by department of Civil Engineering in association with IIC on 24.01.2023 held at Dr.TTIT,KGF.

### **Students Achievements:**

- Ms.Swaroop Rani M has secured first position in “ **Extempore**” competition held during vigilance Awareness Week-2022 conducted by BEML ,KGF.
- Ms.Swaroop Rani M has secured second position in “ **Group Discussion** ” competition held during Vigilance Awareness Week-2022 conducted by BEML ,KGF.