



Dr.T.THIMMAIAH INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

SHILANYAS 2019-2020

PRESIDENT MESSAGE

I am glad that the department of civil engineering is releasing the fourth 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 fourth edition of SHILANYAS. The fourth 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

- **STUDENTS ACTIVITIES**
- **FACULTY 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

HOD

EDITORIAL BOARD

Mrs.Pooja M

ASSISTANT PROFESSOR

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.

.STUDENT ACHIEVEMENTS

- Mr. Dinesh D 1st semester participated in Inter College Athletic Meet 2019-2020 at GurunanakDev Engineering College, Bidar from 20.10.2019 to 26.10.2019.
- Mr. Titus Wilson J of 5th semester has participated in “Group Singing” in 20th VTU Youth Festival “INSIGNIA” held at SDM College of Engineering & Technology, Dharwad from 6th to 9th November 2019.
- Ms. AaminaRizwan 7th semester has participated in “Western Vocal Solo Singing “in 20th VTU Youth Festival “INSIGNIA” held at SDM College of Engineering & Technology, Dharwad from 6th to 9th November 2019.

- Ms. Akshaya 7th semester has participated in “Clay Modeling “in 20th VTU Youth Festival “INSIGNIA” held at SDM College of Engineering & Technology, Dharwad from 6th to 9th November 2019.
- Mr. Basavaraj 5th semester has participated in 22nd Dr.MSRamaiah Memorial Cricket Tournament 2019-2020 on 24.09.2019 at MSRIT, Bangalore.
- Mr. Ajith 7th semester participated in VTU Table Tennis Tournament 2019 (Bangalore North Zone) on 19th & 20th November 2019 Conducted by Dr TTIT, KGF.
- Mr. Ajith 7th semester participated in VTU Table Tennis Tournament 2019 (Bangalore North Zone) on 19th & 20th November 2019 Conducted by Dr TTIT, KGF.
- Hajira Nigar C attended one day Webinar on “**Design of India’s Longest Viaduct** ” by Dr.Aravind Galagali conducted by ICI on May 5th 2020
- Bhuvaneshwari of 6th sem, Saurav Chettri & Archana R of 8th Sem has participated in technical webinar on “**Structural Health Monitoring in the construction Industry-Introduction & Business opportunity** “ on 21.05.2020 by Dr.Chandramouli organized by Dr.T.Thimmaiah Institute of Technology, KGF..
- Saurav Chettri of 8th sem attended one day Webinar on “**Use Of Admixture For Sustainable Concrete**” conducted by ICI on May 28th 2020
- Saurav Chettri of 8th sem attended one day National Webinar on “**Challenges in Concrete Technology**” conducted by ICI on May 29th 2020
- Ms.Aswini B S & Saurav Chettri of 8th sem attended one day Webinar on “**How to Write a Scientific Paper for Journal Publication** ” conducted by S V College of Engineering, Bangalore on May 29th 2020
- Saurav Chettri attended one day Webinar on “**Basics of Structural design**” conducted by Ultratech Pvt Ltd on June 4th 2020
- Saurav Chettri & Archana R attended one day Webinar on “**Salient Aspects in Bituminous Pavement Construction**” conducted by Bangalore Institute of Technology on June 5th 2020
- Ms.Aswini B S & Saurav Chettri of 8th sem attended one day Webinar on “**Tranforming construction with 3D Concrete Printing Technology** ” conducted by ICI On 6th June 2020.
- Archana R of 8th sem has participated in technical Quiz on “**Recent Advances in Civil Engineering**” On 06.07.2020 to 08.07.2020 organized by Civil Department, Dr.T.Thimmaiah Institute of Technology, KGF
- Ms.Aswini B S & Saurav Chettri of 8th sem attended one day Webinar on “**Temperature Controlled Concrete**” conducted by APS college of Engineering, Bangalore on June 9th 2020.
- Aswini B S attended one day Webinar on “**Smart Irrigation using Internet of Things**” conducted by GM Institute of Engineering, on June 15th 2020
- Archana R attended E Expert Talk on “**Leadership for Project Managers in Difficult Times of Covid 19**” conducted by KDK College of Engineering June 21st 2020.

- Hajira Nigar C of 4th sem, Aswini B S ,Chandrakala R of 8th Sem has actively participated in “**Environment Study Quiz** “conducted on 18.06.2020 23.06.2020 organized by Don Bosco Institute of Technology, Bengaluru.
- Aswini B S,Archana R of 8th sem attended one day International Webinar on “**Engineering as a challenging Career in India and Abroad** ” conducted Nanda Engineering College on June 21st 2020.
- Aswini B S of 8th sem attended one day Webinar on “**3D Printing of concrete** ” conducted by M.S.Ramaiah Institute of Engineering, Bangalore on June 25th 2020.
- Archana R of 8th sem attended one day Webinar on “**ASCE INFRASTRUCTURE REPORT CARD** ” conducted by American society of Civil Engineers on June 25th 2020
- Archana R of 8th sem attended National Level E Quiz on “Brain Teaser” conducted by KJ College of Engineering & Management on June 26th 2020
- Aswini B S of 8th sem attended one day National Webinar on “**Hot & Cold weather Concreting** ” conducted by QCRETE READYMIX(INDIA)PVT.LTD on June 27th 2020
- Archana R attended E Expert Talk on “**Modelling of Geotechnical Construction Processes on the Centrifuge :a Few Examples**” conducted by KDK College of Engineering June 29th 2020
- Saurav Chettri has actively participated in “**Evolution of Machine Learning and Deep Learning** “conducted on 30.06.2020 organized by Don Bosco Institute of Technology, Bengaluru.
- Aswini B S of 8th sem has participated one day webinar on “**Micro materials in Concrete** ” organized by ICI on July 4th 2020
- Chandrakal R,Archana R attended one day Webinar on “**Advancement & Oppurtunities in Revit Structure MEP –Design Tools**” conducted by Easwari College of Engineering on July 6th & 7th 2020
- Hajira Nigar C of 4th sem has participated in technical Quiz on “**National Level Online Mathematics Quiz** ” On 09.07.2020 organized by Civil Department Of Mathematics ,Dr.T.Thimmaiah Institute of Technology, KGF.
- Archana R ,Bhuvaneshwari & Naresh F of 6th sem has participated in technical Quiz on “**Transportation Engineering**” On 20.07.2020 organized by Civil Department,Dr.T.Thimmaiah Instituoee of Technology, KGF
- Naresh F & Heera Gopinath of 6th sem has participated in technical Quiz on “**Construction Technology** “organized by Civil Department,Dr.T.Thimmaiah Institute of Technology, KGF from 27.07.2020 to 29.07.2020

FACULTY ACHIEVEMENTS

Webinars /Quiz Conducted

- Department of Civil Engineering, Dr.T.Thimmaiah Institute of Technology,KGF conducted technical webinar on “**Structural Health Monitoring in the construction Industry-Introduction & Business opportunity** “ on 21.05.2020 by Dr.Chandramouli Professoer,PES College of Engineering,Bengaluru.
- Department of Civil Engineering, Dr.T.Thimmaiah Institute of Technology, KGF conducted online technical Quiz on “**Recent Advances in Civil Engineering**” On 06.07.2020 to 08.07.2020 organized by Civil Department, Dr.T.Thimmaiah Institute of Technology, KGF.
- Department of Civil Engineering, Dr.T.Thimmaiah Institute of Technology, KGF conducted Online Quiz on “**Transportation Engineering**” on 20.07.2020
- Department of Civil Engineering, Dr.T.Thimmaiah Institute of Technology, KGF conducted Online Quiz on “**Construction Technology**” on 27.07.2020 to 29.07.2020.

Webinars /Quiz Attended

- Mr. Teerthananda Sagar C S has participated in a course on “Approaches in Travel Behavior Research for transportation Planning and Policy Decision Support” during 09-13 August 2019 under the Global Initiative on academic Network (GIAN)approved by Ministry of human Resource Development, Government of India, Indian Institute of Science Bangalore.
- Department of Civil engineering organized one day Industrial visit to Yaragol Dam near Bangarpet.All the students with faculties was a part of the visit.



- Department of Civil engineering conducted one day workshop on“Best Practices In Civil Engineering” on 18.10.2019 at Dr.TTIT premises.Dr. Ravi kumara Structural

Engineer, Nixit Structural Consultants, Bangalore was the session speaker .3rd,5th& 7thsem participated in this workshop.



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- Mr. Praveen K, &Mr. Manjunatha Singh attended two days National Seminar on “Research Avenues and Practical Applications on Concrete Technology” from 25th October to 26th October 2019 in BMS College of Engineering, Bangalore.
- Department of Civil engineering conducted guest lecture on “Issues and Challenges in Large diameter pile foundation” by Dr.Naveen Associate Professor, Amity school of Engineering &Technology, Haryana3rd,5th& 7thsem participated in this guest lecture.



- Inaugurated Dr. TTIT -ICI (Indian Concrete Institute Student Chapter) on 23.11.2019 followed by one day seminar. Dr.L.R. Manjunatha Chairman ICI BENC, General Manager JSW Cement was the chief guest. Dr.R.L. Ramesh Secretary ICI BENC, professor Sapthagiri college of engineering Bangalore, Lion Nagesh Patel Senior Project Manager, Puravankara Pvt. Ltd, Bangalore was the guests of honors.





- Prof.M. ManeelaHOD, Dept of civil Engineering has successfully completed online certification course for “Remote Sensing and Digital Image Processing of satellite Data”
- Dr. SyedAriffPrincipal, Dr. TTIT has successfully completed online certification course for “Accreditation and Outcome Based Learning”
- Mr. Teerthananda Sagar C S has participated in a course on “Design and Construction of Sustainable Concrete Pavements” during 09-13 December 2019 under the Global Initiative on academic Network (GIAN) approved by Ministry of human Resource Development, Government of India, Indian Institute of Technology, Madras.
- 10.Ms. SonammaMasane has successfully participated in One Day National Seminar on “AICTE Quality Initiatives and Sensitization of Technical Teacher Training held on 16th December 2019 at Cambridge Institute of Technology, Bengaluru.
- 11.Prof.M. Maneela HOD, Dept of Civil Engineering has successfully completed one week “Faculty Development Programme “on “Remote Sensing and Digital Image Processing of Satellite Data”.
- 12.Dr. Syed Ariff Principal, Dr. TTIT has successfully completed one week “Faculty Development Programme “ on “Accreditation and Outcome Based Learning”
- Prof M.Maneela and Prof.Pooja M has participated in the webinar “**Design of Seismic Resistant semi commercial Live Buildings –(G+4 Floors) –E tabs** from 29-04.2020 to 09.05.2020.
- Prof. M.Maneela , Prof.Sonamma Masane , Prof.Kavitha V ,Pooja M & Manjunatha Singh attended one day Webinar on “**Design of India’s Longest Viaduct ”** by Dr.Araving Galagali conducted by ICI on May 5th 2020
- Prof. M.Maneela attended one day Webinar on “**All about White Topping and Staying relevant and maintaining competitive Advantage ”** b conducted by ICI on May 6th 2020.

- Prof. M.Maneela attended one day Webinar on **“Progress of Concrete Science Since the Time of Duff A.Abramas by Dr.Bishwajit Bhattacharjee,Professor,IIT,Delhi ”** b conducted by KDK college of Engineering,Nagpur on May 7th 2020.
- Prof. M.Maneela & Pooja M attended one day Webinar on **“Achieving Sustainable Concrete through use of Mineral Admixtures ”** conducted by ICI on May 8th 2020.
- Prof. M.Maneela attended one day Webinar on **“Structural Audit of Building ”** conducted by KDK college of Engineering,Nagpur on May 10th 2020.
- Prof. M.Maneela attended one day Webinar on **“Innovations & Sustainability through Construction chemicals ”** by Er.Vivek Naik conducted by KDK college of Engineering,Nagpur on May 14th 2020
- Prof M.Maneela has participated in the webinar **“Design of Pile Foundations – StaadPRO** from 14-05.2020 to 28.05.2020
- Prof. M.Maneela & Prof Pooja M attended one day Webinar on **“Ready Mixed concrete production process-Challenges and Remedies ”** conducted by ICI on May 18th 2020
- Prof. M.Maneela attended one day Webinar on **“Environmnt friendly and Sustainable Building Materials-An overview ”** conducted by KDK college of Engineering,Nagpur on May 23rd 2020.
- Prof. M.Maneela attended one day Webinar on **“Application of Ground Improvement Techniques –A Case Study ”** conducted by Don Bosco College of Engineeirng ,bangalore on May 27th 2020.
- Prof. M.Maneela attended one day Webinar on **“Earthquake Resistant Design of Buildings: Provisoins of IS 1893 (part 1)(2016) ”** conducted by KDK college of Engineering, Nagpur on June 2nd 2020.
- Prof. M.Maneela & Prof.Pooja M attended three day International Webinar on **“Computational Trends and Applications in Civil Engineering ”** conducted JSS Academy Noida Indore on June 8th to June 10th 2020
- Prof.M.Maneela & Prof.Sanamam Masane attended one week Webinar on **“Challenges in Civil Engineering ”** East West Institute of Technology,Bangalore in association with ICI from July 1^{3th} to July 1^{8th} 2020.
- Prof.Sonamma Masane , Prof.Teerthananda Sagar C S & Prof Pooja M attended one day Webinar on **“Performance Of High Strength Concrete”** conducted by ICI Bangalore on May 12th 2020.
- Prof.Sonamma Masane ,Prof.Teerthananda Sagar C S & Prof Pooja M attended one day Webinar on **“Recent Development in Remedial Engineering for Concrete Structures”** conducted by ICI Bangalore on May 14th 2020.
- Prof.Sonamma Masane attended one day Webinar on **“Understanding Of Disputes Mitigation and Resolution in a Construction Project”** conducted by ICI Bangalore on May 16th 2020.

- Prof.Sonamma Masane & Prof Manjunath Singh attended one day Webinar on **“Use Of Admixture For Sustainable Concrete”** conducted by ICI on May 28th 2020
- Prof.Sonamma Masane,Prof Pooja M & Prof,Manjunatha Singh attended one day Webinar on **“Salient Aspects in Bituminous Pavement Construction”** conducted by Indian Concrete Institute (ICI). on June 5th 2020
- Prof.Sonamma Masane,Prof Pooja M & Prof,Manjunatha attended one day Webinar on **“Expert Lecture on Temperature Control Concrete ”** conducted by Indian Concrete Institute (ICI). on June 8th 2020
- Prof.Sonam attended one day Webinar on **“Advancement & Oppurtunities in Revit Structure MEP –Design Tools”** conducted by Easwari College of Engineering on July 6th & 7th 2020
- Prof.Sonam attended one day Webinar on **“Effective use of concrete for RCC structures”** conducted by Indian Concrete Institute (ICI). on July 11th 2020.
- Prof.Sonam attended one day Webinar on **“Enhancement of strength, workability & slump retention in concrete through optimization of cement characteristics”** conducted by Indian Concrete Institute (ICI). on Aug 3rd 2020
- Prof.Sonam attended one day Webinar on **“Construction Planning & Methods for High Rise Buildings”** conducted by Indian Concrete Institute (ICI). on Aug 7th 2020.
- Mr.Manjunatha Singh has attended AICTE-VTU jointly organized Training Programme for Teachers in AICTE approved and VTU affiliated Colleges on **“An Overview of Teaching Techniques in Design of Steel Structural elements”** between 27th -31st January 2020 at VTU Centre for Post Graduate Studies,Muddenahalli,Chickballapur
- Prof.Manjunatha Singh attended one day Webinar on **“Art of Projecting Research Proposals in Thrust areas of Engineering and to obtain R & D grants from various organisations”** conducted by Don Bosco Instityute of Technology,Bangalore . on May 23rd 2020.
- Prof.Manjunatha Singh attended one day Webinar on **“New Innovations and Material System for High Performance Concrete ”** conducted by ICI on May 30th 2020.
- Prof.Manjunatha Singh attended one day Webinar on **“Green Technology for improving BioDiversity –A case study of Lalbagh Lake ”** conducted by Nagarjuna college of Engineering & Technology, Bangalore on june 5th 2020.
- Prof.Manjunatha Singh & Prof Teerthananda Sagar C S attended one day Webinar on **“Fundamentals of Geopolymers ”** conducted by Indian Concrete Institute (ICI). on June 7th 2020.
- Prof.Manjunatha Singh attended one day Webinar on **“Expert Lecture on Temperature Control Concrete ”** conducted by Indian Concrete Institute (ICI). on June 8th 2020.
- Prof.Manjunatha Singh attended one day Webinar on **“Deflection of Beams by Strain Energy Method ”** conducted by Nagarjuna college of Engineering & Technology, Bangalore on june 8th 2020.

- Prof.Manjunatha Singh attended one day Webinar on “**Temperature Controlled Concrete**” conducted by APS college of Engineering, Bangalore on June 9th 2020.
- Prof.Manjunatha Singh attended one day Webinar on “**Vasthu Shastra in Modern Civil Engineering**” conducted by KDK college of Engineering, Nagpur on June 10th 2020.
- Prof.Manjunatha Singh Prof.Teerthanada Sagar & Pooja M attended one day Webinar on “**Smart Irrigation using Internet of Things**” conducted by GM Institute of Engineering, on June 15th 2020.
- Prof.Manjunatha Singh attended one day Webinar on “**3D Printing of concrete**” conducted by M.S.Ramaiah Institute of Engineering, Bangalore on June 25th 2020.
- Prof.Manjunatha Singh attended one day Webinar on “**Faecal Sludge Management Indian Scenario And Way Forward**” conducted by CSIR Nagpur on May 19th 2020.
- Prof.Manjunatha Singh attended one day Webinar on “**Structural Health Monitoring in Construction Industry-Introduction and Business and Opportunities**” conducted by ICI Students on May 21st 2020.
- Prof.Manjunatha Singh attended one day Webinar on “**Art of Projecting Research Proposal in Trust Areas of Engineering and obtain R&D Grants from Various Organisations**” conducted by ICI Bangalore on May 23rd 2020.
- Prof.Teerthanada Sagar C S & Prof Pooja M attended one day Webinar on “**Role Of Chemical Admixture in Advanced Construction**” Conducted by ICI Bangalore on May 14th 2020
- Prof.Teerthanada Sagar C S & Pooja M attended one day Webinar on “**Interest and Time Value of Money in Construction**” Conducted by ICI Bangalore on May 16th 2020.
- Prof M.Maneela attended one day Webinar on “**Virtual Labs development & its usage**” organized by Virtual lab nodal centre ,Dr.TTIT in association with centre for system design virtual lab development team, NITK on May 27th 2020
- Prof.Teerthanada Sagar C S attended one day Webinar on “**Economics Of Pandemic**” on May 28th 2020.
- Prof.Teerthanada Sagar C S attended one day Webinar on “**The Economics of the Pandemics**” on May 28th 2020 conducted by Sean Flynn Behavioral economists an Author of International Best sellers
- Prof.Teerthanada Sagar attended one day workshop on “**Green Building Rating Systems in India**” conducted by SRM TRP Engineering College Trichy 01.06.2020.
- Prof.Teerthanada Sagar attended one day workshop on “**High Performance Energy Efficient Building Envelopes**” conducted by BV Raju Institute of Technology, 03.06.2020.
- Prof.Teerthanada Sagar attended three days workshop on “**Advances in Highway Systems**” conducted by Dayananda Sagar Institute of Technology , on June 23rd to June 25th 2020.

- Mrs.Pooja M has attended AICTE-VTU jointly organized Training Programme for Teachers in AICTE approved and VTU affiliated Colleges on “An Overview of Teaching Analysis of Determinate Structures” between 13th -18th January 2020 at VTU Centre for Post Graduate Studies,Muddenahalli,Chickballapur
- Prof. Pooja M & Prof.manjunatha Singh attended one day Webinar on ”**Structural Health Monitoring in the construction industry –Introduction and Business oppurtunities** ” conducted by DR.T.Thimmaih Institute of Technology On 21st may 2020
- Prof. Pooja M attended one day Webinar on ”**Tranforming construction with 3D Concrete Printing Technology** ” conducted by ICI On 6th June 2020.
- Prof. Pooja M attended one day Webinar on “**Wonders of Vasthu Shastra** ” conducted by Medicap University ,indore on june 8th 2020.
- Prof. Pooja M attended one day Webinar on ”**IPR and E patent Filing** ” conducted by Nagarjuna college of Engineering & Technology, Bangalore on June 26th 2020
- Prof. Pooja M attended one day Webinar on ”**Applications of Artificial Intelligence In Civil engineering** ” conducted by KLE Dr.M S Sheshagiri College of Engg & technology on June 26th 2020
- Prof.Pooja M attended one day Webinar on “**Opportunities and Challenges in Smart cities** ” conducted by Nagarjuna college of Engineering & Technology, Bangalore on July 4th 2020.
- Prof.Praveen K & Prof.Teerthananda Sagar C S & Prof.Pooja M attended one day Webinar on “**Special Concrete for Special Structures**” Conducted by ICI Bangalore on May 8th 2020
- Prof.Praveen K & Prof.Teerthananda Sagar C S attended one day Webinar on “**Job Oppurtunities for Engineering Students Post Covid 19**” Conducted by ICI Bangalore on May 10th 2020