



SRI SAI VIDYA VIKASA SHIKSHANA SAMITHI (R)

SAI VIDYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University (VTU), Approved by AICTE, New Delhi)
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Department of Civil Engineering



Moto: Learn to Lead

“NIRMAANA”

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**Sai Vidya Institute of Technology
Rajankunte, Doddballapur Main Road
Bangalore-560064**

DEPARTMENT OF CIVIL ENGINEERING

Vision

To produce Civil engineers with the necessary knowledge, skills, and attitudes and to be the fountain-head of new ideas and innovations in Civil Engineering, who can be entrusted by the society to lead a sustainable world with enhanced quality of life.

Mission

- To provide high quality technical education to students for a successful career with professional consultancy, outreach and manpower training as well as leadership in civil engineering.
- Leaders of the natural environment and its resources.
- Innovators and integrators of ideas and technologies across the public, private and academic sectors



About the Department

The Department of Civil Engineering in SVIT was established in the year 2010 affiliated to Visveswaraya Technological University, Belgaum, Karnataka. Over the years, it has grown into one of the finest centres of learning in the field of Civil Engineering.

The Department is headed by Prof. R Leeladharesha who has vast experience in academics and engineering fields who just not encourages with the academics but also shows keen interests in students with extra curriculum activities such as Sports and Cultural activities.

The Department offers Under Graduate Program in Bachelor of Engineering (B.E) in Civil Engineering with an intake of 60 students. The Department has well experienced faculty members to provide the best of engineering knowledge to the students. Well established laboratory, timely conducted workshops, seminar and Faculty Development Programmes help both faculties and the students with the latest technical skill and global exposure.

A department library is operational apart from the central library. Department has set up an infrastructure for students to take up massive online open courses like NPTEL, IIRS and GIS & Remote sensing course from ISRO.

The Department conducts refreshing crash courses for competitive examinations conducted by KPSC and other authorities for the posts of Assistant Engineers and assistant Executive Engineers in various Karnataka State Government bodies like KPWD, BBMP, KUWSSB, KEB, Karnataka Irrigation and water resources department etc.

Special Coaching classes will be arranged for GATE for pursuing higher studies in reputed Institutions of India.

Message from HOD's Desk

The Department of Civil Engineering is glad and proud to release the newsletter. The newsletter has been planned and published to encourage the students and faculty members to bring out their talents in technical and non-technical activities.

I wish this newsletter will help the students to be updated in the latest technologies of civil engineering field and encourage them towards the same.

I am sure this newsletter will also help the students in developing their communication skills.

I thank our Management and Principal for their kind support in bringing out our Department's newsletter. I thank all our faculty members and editorial team for their support and cooperation. I am sure, it is just a beginning and there is lot more in store for the days to come.



Teaching staff from the Department



Prof. Leeladharesha
HOD & Professor
B.E, M.Tech(Str)



Dr.M.B.Ananthyya.
Professor Associate Professor
B.E, M.Tech (Str) ,PhD



Prof. Y.M.Shivamurthy
B.E, M.Tech(Env)



Prof. Sreekumary G
Assistant Professor
B.Sc, M.Sc (Geology)



Prof. Sunil H G
Assistant Professor
B.E, M. Tech (Str)



Prof. Pallavi P
Assistant Professor
B.E, M. Tech (GT)



Prof. Akshay Kumar
Assistant Professor
B.E, M. Tech(Str)



Prof. Nayana Manohari
Assistant Professor
B.E, M. Tech (Str)



Prof. Devika Rani
Assistant Professor
B.E, M. Tech(Env)



Prof. Sumam S B
Assistant Professor
B.E, M. E (WRE)



Prof. Gowtham B
Assistant Professor
B.E, M. Tech (TE&M),(PhD)

Forum Activity

1. Survey Camp

Department of Civil Engineering conducted Extensive survey project for 6th sem Civil Engineering Students as per the academic curriculum, which is one among the best training the students can get in practical. Here is a glimpse of the survey conducted from 22nd Jan - 31st Jan 2017 by the students.



The Civil Department appreciates the effort of students in conducting the Survey camp, for which an award is introduced.

The best batch will be awarded with the best survey batch award with a cash prize to encourage them and bring the best out of the students.

2. Republic day Celebrations

The republic day celebrations held in the camp by the students was encouraged which was followed by a flag hoisting program.



3. Visit to Indian Institute of Science

Students of first year Civil were taken to IISc, Bangalore for the open day exhibition on March 4th 2017 in view to help them with the upcoming science and engineering techniques.



IISc Visit

4. Industrial Visit

The students of 7th Sem Civil were taken to the Sewage water treatment plant on 17/09/2016 at Yelahanka Sewage Treatment plant to learn the safe disposal of sewage.

5. Visweswaraya Bust Inaugural at College Premises

The outgoing students of 2016 planned and designed a bust of Sir. M. Visweshwaraya, the great Civil Engineer. The students contributed and set an example for the upcoming juniors.



6. Workshop on Urban transportation management (UTM-2017)SS

Eleven Students of 6th sem civil attended a one day workshop on **Urban transportation management (UTM-2017)** held on 11th March 2017b organized by the Highway Engineering Alumni , Bangalore University.

7. Symposium on “Building expertise and enhancing employability in various untapped sectors.”

Students from final year nearly 24 in numbers attended the **Symposium on “Building expertise and enhancing employability in various untapped sectors”** held on 24 March 2017 at VTU regional office RHCS layout ,Nagarabhavi.

ACHIEVEMENTS OF STUDENTS AND FACULTIES

1. KSCST approved projects from the Department of Civil Engineering

Project :1

“Design of water supply distribution network at Rajanukunte”

Students:

1. Girish K S
2. Srikanth G
3. PrashanthBalutagi
4. Kiran M Jeeragi

Under the Guidance of

Devika Rani

Asst Prof, Civil Engg Dept.

Project :2

“Case study to locate and analyse conflict points and deficiencies in K.R.Puram junctions and streets (Bengaluru urban area) involving in traffic conjection and accidents, audit on remedial measures to be adopted to increase level of service”

Students:

1. Dhamaresh L
2. Arun .M
3. Soundaraya K
4. D.M Sunil kumara

Under the Guidance of

Gowtham .B

Asst.Prof, Civil Engg Dept.

This project has been approved by KSCST for the State Level exhibition and seminar to be held on 10th 11th of August 2017 at NMAMIT, KarkalaUdupi.

2. ISRO Course (Online Examination)

ISRO online courses taken by Students and staff of Civil Engineering Department

- **16th IIRS Outreach programme on Geo Spatial Technologies for urban planning held from 11-2-2016 to 15-3-2016.**
- **18th IIRS Outreach programme Remote sensing and GIS application in carbon forestry held from 16-2-2016 to 10-3-2016 .**

- 20th IIRS Outreach programme “Basics Remote sensing, Geographical information system and navigation satellite system” examination held on 22-8-2016 to 18-11-2016.

3. BMRCL Internship Program

Students of final and pre-final year students attended one day Internship on Metro Rail Under Bangalore, Metro Rail Corporation Limited.



4. Internship From L&T

Prashanth ,(1VA13CV030) 7thsem, B.E civil student completed an internship program from a well-known company L&T from 1/07/2016 to 31/07/2016.



5. Inter College Technical Fest

Students from the Department of Civil Engineering attended and participated in various events in various colleges.

- **Nagarjuna College of Engineering**

Paper presentation 3rd place :SheryaShivakumar and Vipul Singh

Technical Quiz 2nd place :Keerthipriya and Radha

Technical Quiz 3rd place : RajaniHegde and Veerendra Reddy

- **Sri Krishna institute of Technology .(27/04/2017)**

Technical Quiz : 1st place – RajaniHegde and Keerthipriya



Technical Quiz : 2nd place – Anil Kumar L T and Yogeesh K L

Fastest surveying 1st place: Anil Kumar L T and Yogeesh K L



Town planning , smart city model 1st place : Kirankumar R and PavanGowda R



- **S.J.C.I.T (3/05/2017-04/05/2017)**

Students of 6th sem Civil attended two day National Conference on Recent Advances in Civil Engineering Race organized by Dept of Civil of SJCIT, Chikballapur from 3rd to 4th May 2017 in which students won the first place in paper presentation entitled “Study of Baggase ash and Lime Stabilised Marshy Soil”.

- **BMSIT**

Counter Strike gaming 2nd place :Sai Krishna

NPTEL Courses

Students and faculty actively registered and successfully completed various NPTEL courses offered by the Indian Institute of Technology, apart from their curriculum. Students opt the subject of their choice or the course in their area of interest and successfully completed in courses which included:

- Geographical Information System
- Digital Mapping and surveying
- Fluid Mechanics
- Concrete Technology
- Soft Skills and communication
- Global Positioning System

Workshops attended

- Sreekumary G attended a workshop pertaining to “ Discussion on revised syllabus (CBCS), Teaching Methodology and conducting Practical Examination in Engineering Geology” held on 11th Feb 2017 at Geological Society of India.
- Sumam S B attended five days workshop on “Significance of Hydrology in Civil Engineering Practice” from 25th to 29th July 2016 held at M.S.Ramaiah Institute of Technology.
- Prof. Sreekumary G attended five days workshop on “Significance of Hydrology in Civil Engineering Practice” from 25th to 29th July 2016 held at M.S.Ramaiah Institute of Technology.
- Prof. Sreekumary G attended a workshop pertaining to “Applications of Remote Sensing and GIS in Civil Engineering” held on 11th FEB at SVCE.
- Prof. Gowtham B attended two days faculty refresher program on “Contemporary Classroom Management Techniques” on 31st Jan 2017 held at SVIT.
- Prof. Pallavi P attended two days faculty refresher program on “Contemporary Classroom Management Techniques” on 31st Jan 2017 held at SVIT.
- Prof. Sumam S B attended two days faculty refresher program on “Contemporary Classroom Management Techniques” on 31st Jan 2017 held at SVIT.
- Prof. Shivmurthy Y M attended two days faculty refresher program on “Contemporary Classroom Management Techniques” on 31st Jan 2017 held at SVIT.
- Prof. Akshay Kumar attended two days faculty refresher program on “Contemporary Classroom Management Techniques” on 31st Jan 2017 held at SVIT.
- Prof. Gowtham B attended four days on “Research Methodologies and Latex, A type Setting software” from 18th Jan –21st Jan 2017 held at Atria Institute of Technology.

Technical Achievements of Faculties and Students

Gowtham B published a research paper titled “Study of Bagasse Ash and Cement Stabilised Marshy Soil” in IJIRSET in January 2016.

KiranKumar.R ,Akshaykumar, DevikaRani presented a technical paper in the National conference on “Review of the brunt of clean mechanism projects on climatic change – a case study at Raichur Solar power plant” held on 20th& 21st April 2017 at SaiVidya Institute of Technology.

NithinKumar T K, Nayanamanohari T K, Sunil H G presented a technical paper in the National conference on “ Prognosis of vitality essence of fly ash concrete using artificial neural networking” held on 20th& 21st April 2017 at SaiVidya Institute of Technology.

NithinKumar T K, Nayanamanohari T K, Sunil H G presented a technical paper in the National conference on “ PhotocatalyticNoxer Concrete Blocks” on 3rd& 4th May 2017 held at SJCIT, Chicballapur.

Sunil H G,Devika Rani published a paper entitled “ Manufacture of building Blocks using Hempcrete” in the International Journal of Latest Research in Engineering and Technology, Vol 2, july 2016.

MithunR,Pallavi P, Sumam S B presented a paper on “ Geotechnical properties of black cotton soil stabilized with betel nut shell for road construction” in the International Conference on Emerging research Civil, Aeronautical and Mechanical Engineering- ERCAM held at NMIT on 22nd July 2017.

NPTEL Courses taken up by faculties

Prof. Sumam S. B was certified for completing the course in “Concrete Technology” under the NPTEL course by Indian Institute of Technology, Madras.

Prof. Pallavi P was certified for completing the course in “Concrete Technology” under the NPTEL course by Indian Institute of Technology, Madras.

Prof. Gowtham B was certified for completing the course in “Concrete Technology” under the NPTEL course by Indian Institute of Technology, Madras.

Prof. Sumam S. B was certified for completing the course in “Fluid Mechanics” under the NPTEL course by Indian Institute of Technology, Madras.

Prof. Sreekumary G was certified for completing the course in “Earth Sciences for Civil Engineering” under the NPTEL course by Indian Institute of Technology, Kanpur.

Prof. Pallavi P was certified for completing the course in “Geosynthetics and Reinforced soil Structures” under the NPTEL course by Indian Institute of Technology, Madras.

Prof. Devika Rani was certified for completing the course in “Concrete Technology” under the NPTEL course by Indian Institute of Technology, Madras.

NPTEL Courses by Students

Mr. Anil Kumar was certified for completing the course in “GPS Surveying” under the NPTEL course by Indian Institute of Technology, Roorkee.

Mr. Anil Kumar was certified for completing the course in “ Introduction to Geographic Information system” under the NPTEL course by Indian Institute of Technology, Roorkee.

Mr. Anil Kumar was certified for completing the course in “Digital Land Surveying and Mapping” under the NPTEL course by Indian Institute of Technology, Roorkee

Ms. Varshitha D A was certified for completing the course in “Land Scape Architecture and Site Planning” under the NPTEL course by Indian Institute of Technology, Kharagpur.

Ms. Brunda G C was certified for completing the course in “Land Scape Architecture and Site Planning” under the NPTEL course by Indian Institute of Technology, Kharagpur.

Ms. Deeksha R N was certified for completing the course in “Land Scape Architecture and Site Planning” under the NPTEL course by Indian Institute of Technology, Kharagpur.

Ms. Pooja D was certified for completing the course in “Land Scape Architecture and Site Planning” under the NPTEL course by Indian Institute of Technology, Kharagpur.

Ms. Ashwini A was certified for completing the course in “Land Scape Architecture and Site Planning” under the NPTEL course by Indian Institute of Technology, Kharagpur.

Ms. Anusha H was certified for completing the course in “Land Scape Architecture and Site Planning” under the NPTEL course by Indian Institute of Technology, Kharagpur.

Ms. AnushaM was certified for completing the course in “Land Scape Architecture and Site Planning” under the NPTEL course by Indian Institute of Technology, Kharagpur.

Mr. Pramod Kumar Thapawas certified for completing the course in “ Enhancing soft skills and Personality” under the NPTEL course by Indian Institute of Technology, Khanpur.

Service to Society

The NSS wing of the Department is active in communal service program. A glimpse of various activities conducted by the group is followed below here:

- Organized a blood donation camp in hands with the Red Cross Group in SVIT Campus on 14th Feb 2017
- Polio camp was conducted in the Primary Health Centre, Rajankunte on April 2nd and 30th 2017
- On the occasion of Environmental Day, planting was organized by VishwaVidyapeeth in collaboration with UthishtaBharatha, where the members of our NSS whole heartedly participated and created an example of being an environmentalist.
- A Pledge taking program was conducted for the students creating an awareness about accidents due to traffic violations and over speeding.

FUNDED PROJECTS

SL.NO	PROJECT TITLE	SANCTIONING AUTHORITY	PROJECT REFERENCE NO.	YEAR OF SANCTION	AMOUNT
1	Design of Water supply distribution network at Rajanukunte,Bengaluru	KSCST	40S_BE_0657	2017	3000/-
2	A case study to locate and analyse conflict points and deficiencies in KR puram junction and streets (Bengaluru urban Areas)involving in Traffic congestion and Accidents Audit to remedial measures to be adopted to increase level of service	KSCST	40S_BE_0661	2017	5000/-
3	Planning and Design of Advanced underground subway	KSCST	39S_BE_0554	2016	4000/-
4	Lab Based investigation of skid resistance characteristics under high speed	VGST,K-FIST	KSTePS/05/K-FIST/2015-16	2016	20,00,000/-

Toppers for the academic year 2016- 2017

We the staff of Civil Department congratulate our toppers of odd semesters.

7TH SEM



Lloyd D Souza
1VA13CV030



Deeksha
1VA13CV010



Manjushree
1VA13CV025

5TH SEM



Yathish N
1VA14CV058



Harish K
1VA14CV019



Radha N
1VA14CV038

3RD SEM



Nithin Kumar T K
1VA15CV032



Brunda G C
1VA15CV012



Harshitha J
1VA15CV019

Editorial Board

Chief Editor

Prof. Leeladharesha

HOD

Department of Civil Engineering, SVIT

Faculty Coordinator

Prof. Sumam

Assistant Professor

Department of Civil Engineering, SVIT

Student Coordinators:

7th sem: Nithin Kumar T K
Kavya G

5th sem: Rajani Hegde
Yathish N

3rd sem: Deeksha J
Lloyd Jensil Dsouza

