



DEPARTMENT OF CIVIL ENGINEERING

SECAB INSTITUTE OF ENGINEERING
AND TECHNOLOGY,
NAURASPUR, BAGALKOT ROAD,
VIJAYAPUR - 586109

CET Code

E132

WHAT DO CIVIL ENGINEERS DO?

- ✦ Design a water supply system for a new city.
- ✦ Provide alternatives to relieve traffic congestion and to solve transport problems.
- ✦ Develop ways of treating and reusing storm water and waste water to preserve precious resources.
- ✦ Manage the maintenance of the large bridges that link most cities' major arterials.
- ✦ Develop new ways of tackling climate change through geological sequestration of carbon dioxide.
- ✦ Prevent contamination of soil and ground water from industrial activities.
- ✦ Design systems to control erosion in rivers and protect people from the devastation of floods.
- ✦ Investigate, design and manage the construction of multi-storey buildings. Design a road, freeway or tunnel and manage its construction.
- ✦ Develop a mathematical or physical model of river and tidal currents to investigate the viability of a new port.
- ✦ Prevent contamination of soil and ground water from industrial activities.
- ✦ Develop the concept of a 'green building' that produces more electricity than it consumes and has a self-sufficient supply.
- ✦ Interpret and organize drawings, plans, construction methods and procedures for an innovative foundation system for unstable soils.
- ✦ Work with consortiums to design eco-tourism resorts.
- ✦ Run training courses for other engineers to keep them abreast of specialist skills.
- ✦ Work in mining extraction and processing of ores from the earth.



VISION

To prepare Civil Engineers who are professionally competent and socially responsible

MISSION

We at Department of Civil Engineering are committed to achieve our vision by:

- ⇒ Imparting academic excellence through outcome based education.
- ⇒ Preparing students through skill oriented courses to excel in their profession with ethical values.
- ⇒ Grooming students for higher studies and research culture.
- ⇒ Strengthening relationship with stakeholders for continuous development.



“It is a great profession. There is the fascination of watching a figment of the imagination emerge through the aid of science to a plan on paper. Then it moves to realization in stone or metal or energy. Then it brings jobs and homes to men. Then it elevates the standards of living and adds to the comforts of life. That is the engineer’s high privilege.”

By Herbert Hoover

HOD's Message



Civil Engineering at Secab I E T is an integrated department comprised of the best academics, staff and students. Not only we do top in the academics, but we deliver practical outcomes for society. I feel a great sense of both excitement and responsibility in leading this dept. My aim is to do everything I can to allow everyone here to perform at their best, engage with real issues and make a difference.

The Department of Civil Engineering shall produce excellent individuals who can build, maintain and manage social infrastructures based on relevant knowledge and technology with noble ethical principles and broad insights while recognizing the significant influence of civil engineering technology on nature and society. We are more focused on the design and creation of all kinds of structures – including buildings, roads, dams, canals, bridges and infinite other useful things – civil and structural engineering is an invaluable profession across the modern world.

Thanks to the continued development of technology and innovation in the sector, today every society is seeing an increased need for experts in these fields.

Dr. Zia Abe Din Punekar
HEAD OF THE DEPARTMENT

60

120

400

Civil Engineering at SECAB I. E. T. is an integrated department comprised of the best academics, highly qualified and experienced faculty, intelligent & enthusiastic students. Department of Civil Engineering was established in the year 2002 with a vision to produce competent civil engineers empowered with technical and entrepreneurial skills in order to contribute towards sustainable infrastructure development and started undergraduate program (B.E.) with an intake of 60, and it was increased to 120 in the year 2012. In the present year, 400+ students are studying, including of all semesters.

The undergraduate curriculum is broad based and is designed to introduce the students to a wide range of problems encountered by Civil Engineers in the field. A large number of elective subjects are offered to enable a student to study the area of his special interest in depth. Students are given practical problems of different areas as their projects. Survey camps and practical training are a part of the curriculum aimed at familiarizing the students with actual problems. The main areas of study are Structural Engineering, Transportation Engineering, Water Resources and Irrigation Engineering, Geotechnical Engg., Environmental Engineering and Construction Technology & Management.

The department has excellent laboratory facilities for experimental work. The major laboratories are Structural Engineering laboratory, Basic Materials Testing laboratory, Concrete and Highways Materials laboratory, Fluid mechanics and Hydraulic machines laboratory, Surveying laboratory, Geotechnical engineering laboratory, Environmental Engineering laboratory. The department has experimental and computer facilities for doing research work leading to the degree of Doctor of Philosophy in the field of Structures.

Facilities exist for providing consultancy in the fields of design of Multi-storeyed Buildings, Bridges, Controlled Concrete Mixes, Steel Structures, Roads construction, Water Tanks, Investigation of Soil for different types of Structures, Water and wastewater Testina etc.

Newly Introduced Programs



- 1) PG (M.Tech. in structural engineering) course started in the year 2014-15 with intake of 24 seats. 08 students got admitted in the year 2014-15, 05 students in 2015-16, 10 students in 2016-2017, 09 students in 2017-18, 22 students in 2018-19
- 2) Research environment was initiated in 2015 by establishing “**Research centre**” under Visvesvaraya technological university, Belgaum to offer Doctorate in civil engineering. Many are pursuing Ph.D. at this research center.

Milestones



In the Department, a **Student Chapter** of Indian Society for Technical Education (I.S.T.E.) is functional since 2017.

In the year 2015-16, the department introduced a novel laboratory “**Construction Practice**” to teach beyond the syllabus and to make students well versed with basics of civil engineering i.e., construction materials and skilled field practice.



Library Admin

The department has also established the **separate Library facility** with 400+ books related to civil engineering at a start. The library is open to the students from academic year 2018-19. Department library runs smoothly with a nice **library software developed by SECAB's IT cell.**

Outstanding Students

Toppers of Civil Engineering Department



82%

Mr. Sachin Kulkarni
Passed out: 2010
6th Rank VTU



86.13%

Mr. Salim Malik Y.
Passed out: 2013



85.2%

Mr. Pavan Kumar
Passed out: 2014



81.2%

Mr. Shaheen Nadaf
Passed out: 2015



83.6%

Mr. Rohan Pawar
Passed out: 2016



86.4%

Mr. Md. Rehan
Passed out: 2017



84.13%

Mr. Anand Shinde
Passed out: 2018

Student Research Projects

The department has always motivated the students and faculties with facilities like well equipped laboratories, active departmental library, research centre to take innovative and research oriented projects. The following projects were recognized and funded by KSCST.

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In the year 2016-17, 2 final year projects recongnised and funded with Rs. 8000.

In the year 2017-18, 3 final year projects recongnised and funded with Rs.12000.

3

9

In the year 2018-19, a total of 9 final year projects from civil engineering department were recongnised and funded with Rs. 60000



Presentation by our students at KSCST nodal evaluation center

Achievements in sports

Keeping in view the importance of sports in today's scientific era and its vitality in the shaping of individual's personality and 'health & fitness', the department lays considerable emphasis on students' participation in various sports activities. Many students from the department have been participating in Cricket, Throwball, Volleyball, Badminton etc. and secured many prizes in the games at different levels.



Students from civil department - Arjun Nayak, Sanaullah Mokashi, Tousif ahmed muddebihal, Vinayak Karande were selected for VTU zonal cricket team.

Santosh and Vinayak Hundekar played Volleyball with zonal team in bellary in the year 2016 and got **runner up**.

Lohit Wali bagged **Gold medal** in Wushu Championship held in pune in the year 2015-16

Sudharani and Laxmi bisanal played throwball in VTU Zonal Throw ball Championship 2017-18 held in Bidar District and secured 3rd position.

Mohit kakamari played table tennis in Bidar for vtu zonal team in the year 2015-16 and got **runner up**.



Abdul Hameed played Jump Rope representing the state at 13th Senior National Jump Rope Championship-2016 at Pataliputra Sports Complex, Patna, held on 22nd -26th of Oct. 2016. He bagged the **Gold medal**.

Sandeep S. N. participated in the 2nd Senior Rocball National Championship in 2017-18 held From 29th September to 1st October, 2017 at D.A.V. Public School, Ashok Vihar, phase-4, Delhi and he secured position **Runner Up**



Alumni Achievements

Distinguished Alumni from Civil Department placed in different sectors

Sl. No	Name	Year of Passing	Designation
1	Imraz Ahmed Puneekar	2010	QA/QC Engr at Archan Engineering Consultancy, Qatar
2	Sayyed M Bagewadi	2011	Asst.Engr. in Niketan Consultancy
3	Niteen Mane	2011	Asst.Engr. in Irrigation Dept. GOK
4	Parashuram Halli	2011	Junior Engineer in Railway Dept.
5	Savitri Angadi	2012	Technical Asst. Municipal Corporation
6	Mohammed Abdullah	2012	AL-Saif construction QA/QC Engineer Saudi
7	Tufail Ahmed Quadri	2012	Asst.Engr. Dubai
8	Wakkel Ahmed Jahagirdar	2013	Asst.Engr. Irrigation Dept, GOK
9	Gulnaz ahmed Jamadar	2013	Junior Engr Zilla Panchayat, GOK
10	Rahul Rathod	2014	Asst.Engr. Bangalore Water supply Board, GOK
11	Yasir Rizwan	2015	Asst Engr. At Kuwait Oil Company, Kuwait
12	Sayed Waseem Inamdar	2015	Site Engineer, Muscat International Airport, Oman
13	Samreen Balebai	2015	Asst. Engineer, W.R.D., Govt of Karnataka

Faculty achievements

1) Best publication award

"Relative study of seismic analysis between flat slab and grid slab of rcc structures with different masonry infill in two different zones" by Prof. M. H. Kolhar

2) Young scientist award

Prof. M. H. Kolhar selected for "Sir visvesvaraya best young scientist award" in civil engineering from Bose Science Academy, Pudukottay and is authorized as the **Fellow of Bose Science Society**.

3) Best magazine Coordinator award

Prof. S. R. Kulkarni bagged best magazine coordinator award for the year 2016-17 and Shameena K. for the year 2017-18, for their contribution towards Anchor magazine.

4) Ph.D. Registrations

Sl. No.	Name of the Faculty	Research Centre	Year of Registration
1	Prof. M H Kolhar	Civil Engineering Research Centre, Secab Institute of Engineering and Technology, Vijayapur.	2016-17
2	Prof. Chethan marol	Visvesvaraya Technological University, Belagavi.	2016-17
3	Prof. Niyaz Dafedar	Civil Engineering Research Centre, Secab Institute of Engineering and Technology, Vijayapur.	2017-18
4	Prof. Abdussami Nadaf	Visvesvaraya Technological University, Belagavi.	2018-19

COLLOQUIA



Colloquiums Organized in the Department

Title: Colloquium on “Advanced Concrete Technology”

Resource Person: Dr. B. B. DAS Professor at National Institute of Technology, Suratkal

Organized on: 11th and 12th April 2016.

Title: Colloquium on “Nano Technology”

Resource Person: Dr. Anand M Hunasyl Assistant professor at B.V.Bhumareddy College of Engineering

Organized on: 10th November 2016

Title: Colloquium on “Earthquake Engineering”

Resource Person: Dr. C. S. Manohar Professor at Indian Institute of Science Bangalore

Organized on: 19th August 2017

Title: “Remote Sensing And GIS”

Resource Person: Dr. K. B. V. N. Phanindra Professor at Indian Institute of Technology Hyderabad

Organized on: 16th October 2017

Title: “Waste & Wealth – Challenges on resource recovery & recycling options”

Resource Person: Dr. Senophiyah Marry Technical advisor at Green Era recycling Pvt. Ltd.

Organized on: 6th May 2019

COLLOQUIUM

(Organized jointly with Mechanical Engg Department)

Title: "Influence of Imperfection Sensitivity on Functionally Graded Sandwich Structures"

Resource Person: Dr. Mohammad Talha Assistant professor at Indian Institute of Technology Mandi

Organized on: 27th November 2017

Faculty Development Program

(Jointly organised with mechanical engg department)

Title: "GPUs ignite artificial intelligence machine learning & deep learning"

Speakers: Mr. Manish bali and Prof. Tabasum Ara

Date: 6th to 11th February 2018

Value added course - Short term training program

STTP on: "Computer Aided Analysis and design of structures"

Resource persons: Dr. Anil Agarwal from IIT Hyderabad,

Date: 27th march 2017 to 1st April 2017

STTP on : "Site supervisor"

Speakers: Prof. M. H. Kolhar, Prof. Sachin kulkarni, Er. N. D. Ustad

Date: 5th to 7th April 2018

STTP on : “Quantity Surveying and Quality Management”

Speakers: K. Shrinivasa from NICMAR Hyderabad, Prof M. H. Kolhar, Mr. Mahesh Tendulkar, Prof. Sachin kulkarni, Prof. Javeed Talikoti, Prof. Saddam Masali

Date: 5th to 17th March 2018

STTP on : “Construction Safety”

Speakers: Dr. Rajaprasad from NICMAR Hyderabad

Date: 21st November 2018

Student's Workshop

Workshop on : “Primavera and GIS software applications”

Experts: Prasanna Doddamani Project head, Synergy school of business skills , Sujay Gogi Technical leader Synergy school of business skills.

Date: 22nd to 25th April 2018

One week Workshop on : “Soil Dynamics and earthquake engineering”

Experts: 10 Resource persons from IITs and NITs

Date: 21st to 26th February 2019



“The ideal engineer is a composite ... He is not a scientist, he is not a mathematician, he is not a sociologist or a writer; but he may use the knowledge and techniques of any or all of these disciplines in solving engineering problems.”

By Nathan W. Dougherty

Technical Talks or Seminars

Department of Civil Engineering has good ties with industries like UltraTech cement and organizes technical talks every year. These tech-talks will be lead by the Regional manager of UltraTech cement. Such talks enhance the knowledge and create interest among the students in deep and new learnings.

'Use of Softwares in Civil Engineering' a tech-talk also was lead by TechMantra, a Vijayapur's software training institute.



Alumni Meet

The department organizes Alumni meet "MILAN" every year to cherish, celebrate, refresh the old relationships with passed out students. It is the gathering of our passed out students to share their experience of the outside world, which they faced after stepping out from the college life.



Contribution towards society

Traffic case study

The students of Civil Engineering Department conduct traffic case study every year to determine the traffic problems and negligence of rules and regulation by the Road users of Vijayapura City and create awareness about traffic rules and regulations among citizens.



Environmental day celebration

On account of celebration of Environmental day on every June 5th, the department plants a number of trees and reminds the strong tie between people and trees encouraging the awareness and action towards protection of our environment.

Technical Fest

Civil engineering department conducts the National level student's technical fest "**EXPLORIA**" every year in which students from all over India participate. A three day national level student's technical fest provides a platform for sharing knowledge, skills in engineering and technology. Various events will be organized during these three days which includes technical paper presentation, model making, technical quiz, project exhibition, quick surveying and water quality testing etc.



Industry & Institute

Department of Civil Engineering initiated a new platform “**Build India Meet**” to develop industry – institute interaction in coordination with SECAB’s Malik Sandal institute of art and architecture, Department of civil engineering of SECAB’s Malik Sandal Polytechnic. This was initiated on April 28th 2019. This was a great meet of 100+ Architects, Builders, Contractors, Developers and Engineers. The Meet successfully ended with many important discussions related to civil engineering issues, long interactions of the students with industry people. Department conducts the meet every year from now onwards.



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Department of Civil Engineering has bagged Anchor Distinguished Best Department Award for two times consecutively.

Contact at

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