

#### SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belagavi and approved by AICTE, NEW DELRI)
(ISO 9001:2015 & ISO 14001:2015 Certified)
(Accredited by NAAC with "A" Grade)
14/5, Hesaraghatta Main Road, Bangalore-560057

#### Department of Civil Engineering

#### Monthly activity report of July -2023

Type of event or Activity	Exhibition					
Name/Title of the event / Activity	Mini Project Exhibition					
Date of Organization	15.07.2023					
Venue	ALH 409, Department of Civil Engineering, Sapthagiri Collegeof Engineering					
Organized by	Department of Civil Engineering					
Objectives of Events / activity	The main object is to get knowledge about current topics in civil engineering     To improve skills on model making, presentation and explanation     To motivate themselves and others to conduct major projects and events in future					
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	39					

#### **Event Description**

Mini Project exhibition was organized to 6<sup>th</sup> semester Civil Engineering students. To encourage students to present their mini project with their batchmates. To encourage other students to participate in future events. Individual projects are evaluated by Dr. Vindya and Prof. Pramod K R.

Images:

Note:

- (i) After every event, please take feedback (online/offline).
- (ii)At the end map PO's (with 3/2/1):

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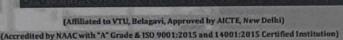
\*Type of Event / Activity:

Workshop/seminar/conference/hackathon/hobby project /mini project/ Invited Talk/Guest Lecture/Skill enhancement program/Cultural activity/competitions etc.,

NOTE: All the Events should be in one PDF File.

Signature of the HOD







#### DEPARTMENT OF CIVIL ENGINEERING

Str SEMESTER MINI PROJECT EXHIBITION



CHIEF PATRONS



Sri G. DAYANAND Chairman, SCE

Date: 15th July 2023 Timings: 10.30 AM Sri G.D. MANOJ Executive Director, SCE

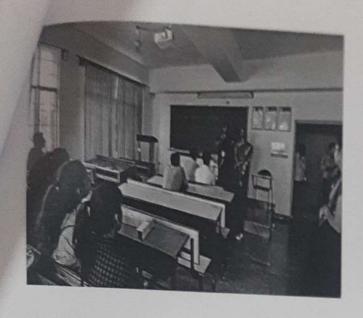
VENUE: ALH 409

Prof. PALLAVI G A
COORDINATORS

Dr. RAJESHWARI R PROF & HEAD, CE Dr. H RAMAKRISHNA
PRINCIPAL

Mini Project exhibition was organized to 6th semester Civil Engineering students on 15/7/2023. Exhibition was arranged in ALH 409, under the guidance of Faculty Coordinator Mrs. Pallavi G A. Principal Dr. Ramakrishna and Prof & Head, Department of Civil Engineering Dr. Rajeshwari R were accompanying the event. The event was attended by all the faculty and staff members. All the Students were participated in the event. Dr. Vindya and Prof. Pramod K R was the Evaluator for the exhibition.

HOD, evaluators and faculty members appreciated the work done by the students and suggested few topics for their major projects. HOD madam spoke about this kind of mini project has more significant role in core engineering field like civil engineering. The pursual of mini projects could help in creating a better career after completing the course. Mini project serves as a good exhibition tool for the student, which would aid the companies to distinguish diverse background students while recruiting. As the final year civil engineering projects require immense technical skills and expertise, doing mini-projects tend to expose civil engineering course students with majority of needed technical skills and expertise before going into the final year.





Mini project work by students





Mini project work by student





Mini project work by students

Sapthagiri College of Engineering

2) Technical Talk on MApplication of CFD- in Thermal / Flow analysis Using Flow Flow 560 057



#### SAPTHAGIRI COLLEGE OF ENGINEERING

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#### Department of Civil Engineering

Monthly Activity Report for the month of July 2024

6<sup>th</sup> and 4<sup>th</sup> semester mini project

Type of event or Activity	Exhibition
Name/Title of the event / Activity	Mini Project Exhibition
Date of Organization	22.07.2024
Venue	ALH 411, Department of Civil Engineering, Sapthagiri Collegeof Engineering
Organized by	Department of Civil Engineering
Objectives of Events / activity	The main object is to get knowledge about current topics in civil engineering     To improve skills on model making, presentation and explanation     To motivate themselves and others to conduct major projects and events in future
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	42

#### **Event Description**

Mini Project exhibition was organized to 6<sup>th</sup> and 4th semester Civil Engineering students. To encourage students to present their mini project with their batchmate. To encourage other students to participate in future events. Individual projects are evaluated by Dr. Rajeshwari R, HOD, Civil Dept.

Images:

Note:

- (i) After every event, please take feedback (online/offline).
- (ii)At the end map PO's (with 3/2/1):

POI	POS	PO2	DO	Two	T	-			
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\*Type of Event / Activity:

Workshop/seminar/conference/hackathon/hobby project /mini project/ Invited Talk/Guest Lecture/Skill enhancement program/Cultural activity/competitions etc..

NOTE: All the Events should be in one PDF File.

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057 Signature of the HOD

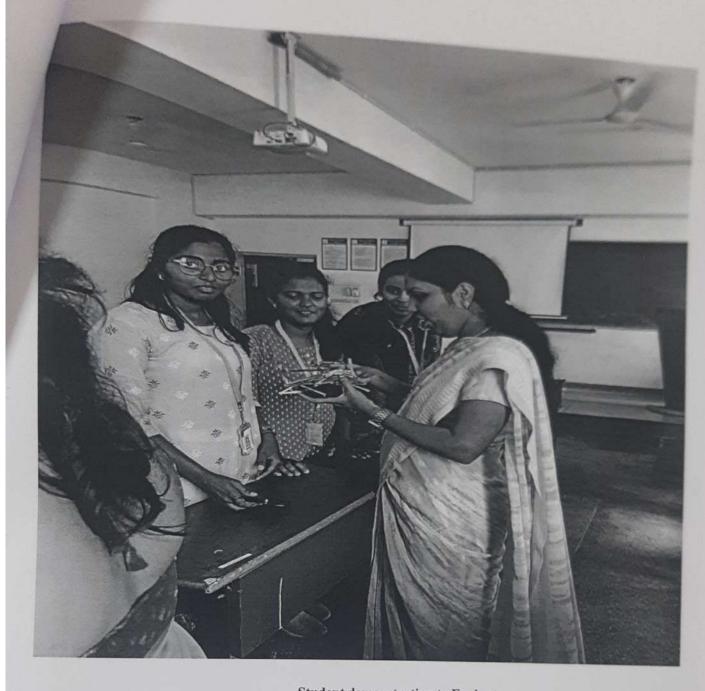


Mini Project exhibition was organized to 6<sup>TH</sup> and 4th semester Civil Engineering students on 22/07/2024. Exhibition was arranged in ALH 411, under the guidance of Faculty Coordinator Ms. Vanishree.S Principal Dr. Ramakrishna and Prof & Head, Department of Civil Engineering Dr. Rajeshwari R were accompanying the event. The event was attended by all the faculty and staff members. All the Students were participated in the event. Individual projects are evaluated in Dept.

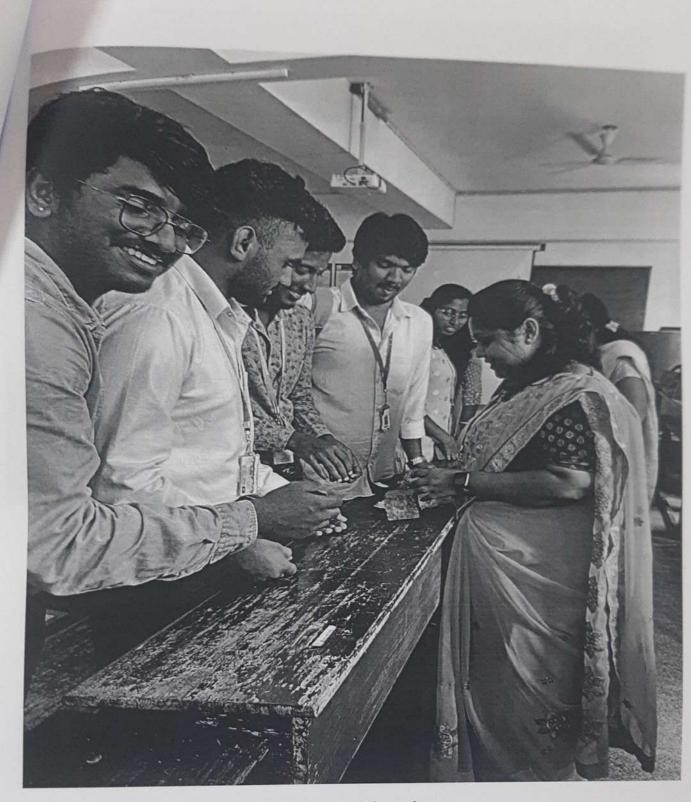
HOD, evaluators and faculty members appreciated the work done by the students and suggested few topics for their major projects. HOD madam spoke about this kind of mini project has more significant role in core engineering field like civil engineering. The pursual of mini projects could help in creating a better career after completing the course. Mini project serves as a good exhibition tool for the student, which would aid the companies to distinguish diverse background students while recruiting. As the final year civil engineering projects require immense technical skills and expertise, doing mini-projects tend to expose civil engineering course students with majority of needed technical skills and expertise before going into the final year.



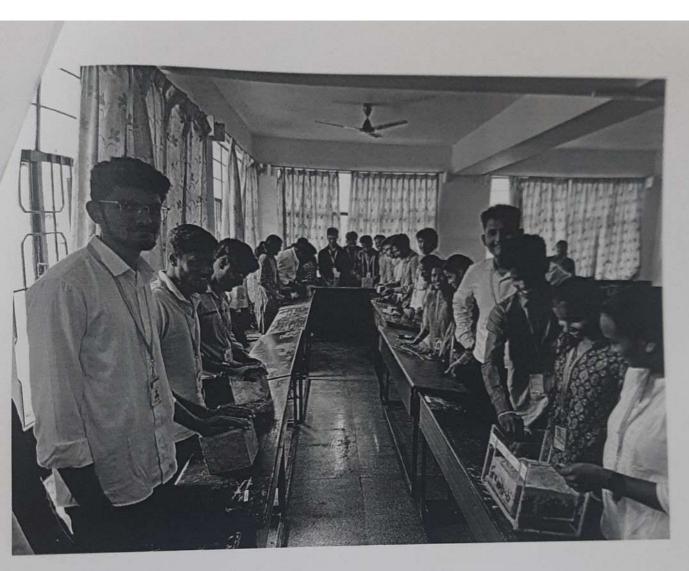
Mini project work by students



Student demonstrating to Evaluator



Mini project work by students



Mini project work by students

Principal , Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

HOD

*Type of event/activity	Technical Talk
Name/Title of the Activity/Event	"Application of CFD- in Thermal / Flow analysis Using FLOWNEX
Date of Organization	29/07/2023
Venue (with address)	Class Room Number 305
Organized by	Department of Mechanical and Civil Engineering
Objectives of the event/activity	Provide an opportunity for students demonstrate their skills related to preparation of food.     Motivate the students to develop communication and interaction skills     To motivate students to improve presentation skills.
Participants	49
Mention organized /participated/attended	49 students from 4th Semester Mechanical and Civil Engineering

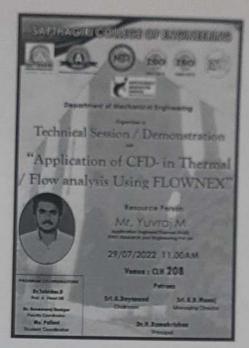
#### **Event Description:**

A technical talk on, "Application of CFD- in Thermal / Flow analysis Using FLOWNEX", was organized by the Department of Mechanical & Civil Engineering on 29/07/2023 at 11.00AM for the students of 4th Semester Mechanical & Civil Engineering. The resource person Mr. Yuvraj M, Application Engineer (Thermal-Fluid) at DHIO Research and Engineering Pvt. Ltd. Bangalore addressed the students and highlighted on the importance of Flownex software in the analysis of Fluid Dynamics. He also demonstrated the software taking few case studies and interacted with the students.

Manning of activity outcomes with POs

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<sup>\*</sup>Type of activity: Technical Talk









Presentation by Mr. Yuvraj M, Application Engineer (Thermal-Fluid) at DHIO Research and Engineering
Pvt. Ltd. Bangalore

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057



#### SAPTHAGIRI COLLEGE OF ENGINEERING **家党外仍从上总领位上在安约的**党分

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Department of Civil Engineering ( NBA Accredited)

#### Monthly Activity report August-2023

*Type of event/activity	Technical Talk
Name/Title of the Activity/Event	Technical Talk - Fluid Properties & Application
Date of Organization	10/08/2023
Venue (with address)	CLH- 208, Sapthagiri College of Engineering
Organized by	Department of Civil & Mechanical Engineering
Objectives of the event/activity	Orient the students on fundamental properties of fluids     Provide an opportunity to interact with resource person and clarify doubts  3. Orient students on the real time applications of Fluids
Participants	54
Mention organized /participated/attended	64 Students from 4th Semester Mechanical and Civil Engineering participated in the event

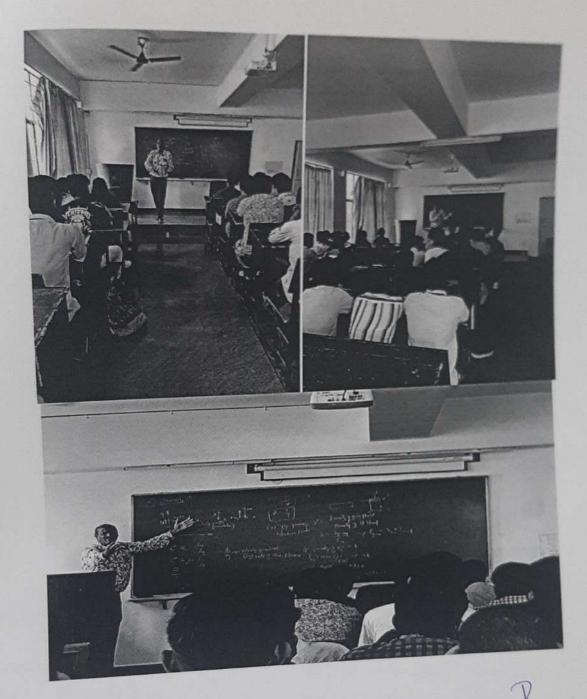
#### **Event Description**:

A technical talk was organized by the department of Mechanical & Civil Engineering for the students of 4th Semester students on 10/08/2023. The event was organized to, Orient students on the real time applications of Fluids, Orient the students on fundamental properties of fluids, to Provide an opportunity to interact with resource person and clarify doubts. The resource person Prof. Palakshaiah, Assistant Professor, department of Mechanical Engineering SJCIT, Chikkaballapur covered in detail about the fundamental units, conversion related to properties of fluids. Students interacted with the resource person and discussed about the concepts related to fluids and their applications.

# Mapping of Event outcomes with Program Outcomes:

P01	PO2	DOO									
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Type of activity: Technical Talk SAPTHAGIRI COLLEGE OF ENGINEERING APTHAGIRI Department of Mechanical & Civil Engineering Organize a Technical Talk "Fluid Properties & Applications Resource Person Prof. Palakshajah Department of Mechanical Engineering SJCIT, Chikkaballapur 10/08/2023 11.00AM Venue: CLH 209 **Patrons** Sri.G.Dayanand Sri.G.D.Manoj ROGRAM ORGANIZERS **Managing Director** Chairman Dr.Tulsidas.D Dr.H.Ramakrishna Prof. & Head ME Principal Dr. Rajeshwari, R Prof. & Hood CV



de

HOD

HOD, Dept. of Civil Engg. S.C.E, Bangalore-560 057

Principal
Septhagiri College of Engineering
Chikkasandra, Hesaranhatta Road,

#### 4) Mini Project Exhibition 4th sem

Type of event or Activity	Mini Project Exhibition
Name/Title of the Event /Activity	Mini Project Exhibition
Date of Organisation	15.09.2023
Venue	Class Room No 409, Department of Civil Engineering, Sapthagiri Collegeof Engineering
Organized by	Department of Civil Engineering
Objectives of Events/Activity	The main object of this event is to present their sustainablemini-projects.     To show materials, tested blocks, and methodology followedin their respective projects.     To motivate and encourage junior students to conduct interesting and interest
Participants (Please attach list of participants, fit is organized/conducted in he lept.)	interesting projects and events in future  35

#### **Event Description**

Mini exhibition conducted for 4th semester students. All the students participated in the exhibition with posters, models, tested blocks, materials. Presentation conducted and explained to valuators, guests, faculties and juniors to encourage other students to participate in future events. Dr.Parshvanath and Dr Harish, were the Evaluator for the exhibition.

#### Note:

- (i) After every event, please take feedback (online/offline).
- (ii)At the end map PO's (with 3/2/1):

PO1 PO	FUS	P04	P05	P06	P07	P08	P09	PO10	PO11	PO12
2 2	2	2	2		100		2	1	. 0	1012

\*Type of Event / Activity:

Workshop/seminar/conference/hackathon/hobby project /mini project/ Invited Talk/Guest Lecture/Skill enhancement program/Cultural activity/competitions etc.

Date of Submission: 15.9.2023

NOTE: All the Events should be in one PDF File

HOD, Signature of the HODgg. S.C.E, Bangalore-560 057

# SAPTHAGIRI COLLEGE OF ENGINEERING (AFFILIATEO TO VTU, BELAGAVI AND APPROVED BY AICTE, NEW DELIGI) (ISO 9001/2015 & ISO 14001/2015 CERTIFIED) (ACCREDITED BY NAKE WITH "A" GRADE) (ACCREDITED BY NAKE WITH "A" GRA

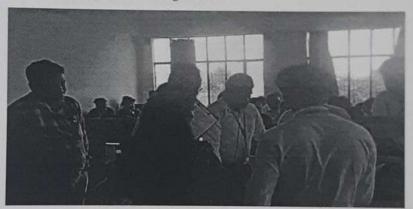
Mini Project exhibition was organized to 4<sup>th</sup> semester Civil Engineering students on 15/9/2023. The exhibition was arranged in the seminar hall, under the guidance of Faculty Coordinator Prof. Santhosh R and Prof. Priyanka A.

Dr. H Ramakrishna, Principal, Dr. Rajeshwari R, Prof & Head, Department of Civil Engineering were accompanying the event. The event was attended by all the faculty and staff members. All 4<sup>th</sup> semester Students participated in the event. Dr.Parshvanath and Dr Harish were the evaluators for the exhibition.

Principal has shared his views on civil Engineers and the Importance and responsibility of civil Engineers in society. HOD conveyed the message saying that each and every student can put their effort towards the industrial revolution, advising students to create awareness about social well-being, safety, societal interactions, professional ethics, and responsibilities.



Principal addressing students



Students presenting their work





Dr. Parshvanath and Dr Harish. evaluating individual projects

#### Attendance

St. No.	USN	Name of the student
3	15G21CV001	ABHIPRIYA KUMAR SINGH
2	15G21CV002	CHARANRAJ M
3	15G21CV003	DEEPAN R
4	15G21CV004	DHANUSH M
5	15G21CV005	DHANUSH MN
6	1SG21CV006	DHANUSH R
7	1SG21CV007	GAYATHRI SATISH
8	15G21CV008	GNANESH S
9	1SG21CV009	GURUPRASAD M
10	1SG21CV010	GURUPRASADA G
11	1SG21CV011	JEEVAN GOWDA K M
12	15G21CV012	LALITHA KALA G
13	15G21CV013	LOKESH R
14	15G21CV014	MADHUMITHA M
15	1SG21CV015	MANASA V
16	1SG21CV016	MOHITH R
17	1SG21CV017	NANDITHA C PATIL
18	1SG21CV018	NETHRESH P
19	1SG21CV019	PRAJWAL KOLKAR
20	1SG21CV020	RAHUL A
21	1SG21CV021	REVANTH P
22	1SG21CV022	RUSHAB H C
23	1SG21CV023	SAKET ANAND
24	1SG21CV024	SANJAY L N
25	1SG21CV025	SHASHANK B A
26	1SG21CV026	SHILPASHREE K
27	1SG21CV027	SHREYAS S R
28	1SG21CV029	SUPRITHA S
29	15G21CV030	TEJAS P
30	1SG21CV031	VINAY KUMAR G

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

HOD, Dept. of Civil Engg. S.C.E. Bannalan 550.057

# 3) ACTIVITY - " GUEST LECTURE ON BIO PRINTING TECHNIQUES "

*Type of Activity	GUEST LECTURE
Name/Title of the Event	GUEST LECTURE ON BIO PRINTING
Date of Organization	04/09/2023
Venue	Sapthagiri Engineering College
Organized by	DEPARTMENT OF CIVIL ENGINEERING
Objectives of the event/activity	To solve problems in the interfacing of systems like plant, animal or microbial—with human-designed machines, structures, processes and instrumentation and also to Study biological engineering tools, resources, knowledge, and opportunities to prepare positive solutions for the world.
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	42

#### **Event Description:**

The Department of Civil Engineering has arranged guest lecture on "Bio Printing Techniques" for 4th semester students on 04/10/2023. Guest lecturing was related to topics of biology for engineers.

Biology for Engineers is an interdisciplinary area focusing on the application of engineering principles to analyze biological systems

This activity is to spread knowledge to solve problems in the interfacing of systems like plant, animal or microbial—with human-designed machines, structures, processes and instrumentation and also to Study biological engineering tools, resources, knowledge, and opportunities to prepare positive solutions for the world. This activity helped students to focus more on the subject which in turn helps them to absorb more knowledge about bio- engineering applications.

PO1	PO2	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
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#### \*Type of Event / Activity:

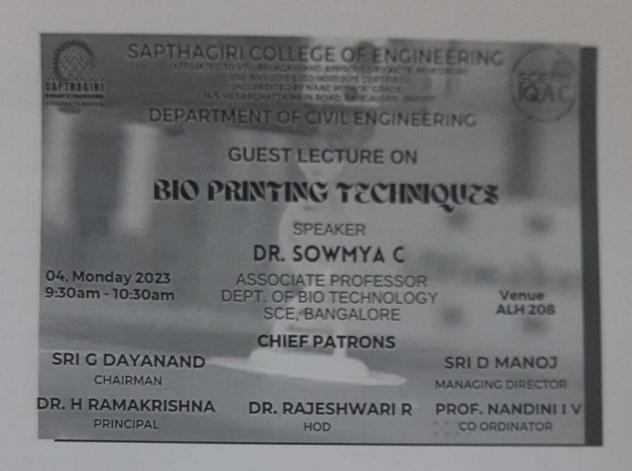
Workshop/seminar/conference/hackathon/hobby project/mini project/Invited Talk/GuestLecture/Skill enhancement program/Cultural activity/competitions etc.,

NOTE: All the Events should be in one PDF File.

Date of Submission

Principal Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057 Signature of the HOD



#### Report on Activity

Name: "BIO PRINTING TECHNIQUES".

Venue: Civil Engineering Department,

Bangalore.Name of the Coordinator- Prof.

Nandini I V

No. of Students participated - 35

studentsDuration: 1 hour

#### Schedule of Activity

The Department of Civil Engineering has arranged guest lecture on "Bio Printing Techniques" for 4th semester students on 04/10/2023. Guest lecturing was related to topics of biology for engineers.

Biology for Engineers is an interdisciplinary area focusing on the application of engineering principles to analyze biological systems

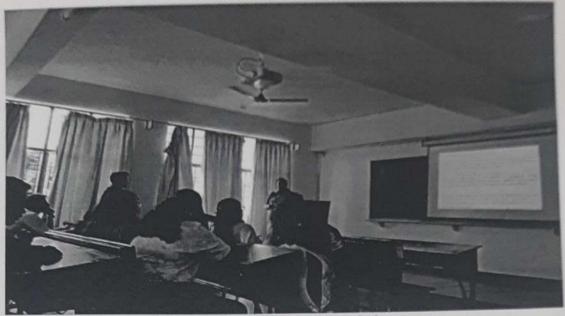
This activity is to spread knowledge to solve problems in the interfacing of systems like plant, animal or microbial—with human-designed machines, structures, processes and instrumentation and also to Study biological engineering tools, resources, knowledge, and opportunities to prepare positive solutions for the world. This activity helped students to focus more on the subject which in turn helps them to absorb more knowledge about bio- engineering applications.

Some of the key ideas of this activity includes: -

- 1. 3D printing with bio-materials to create structures that mimic natural tissues
- 2. drug research and most recently as cell scaffolds to help repair damaged ligaments and joints
- 3. Bioprinting of ears
- 4. Bioprinting of nose
- 5. Bioprinting of skin

#### Outcome of activity

- Students clearly understood about the different materials used in bioprinting.
- Students absorbed knowledge about the different methods of organ bioprinting.
- To encourage students to take up projects related to biology.



Guest lecture on Bio printing techniques



Students actively participated in bio printing technical talk

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



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ISO 9001 - 2015 & ISO14001 - 2015 Certified

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(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE New Delta,
(Accredited by NAAC with "A" Grade)

(ISO 9001 : 2015 & 14001 : 2015 Certified Institutions)

#### DEPARTMENT OF CIVIL ENGINEERING

#### 1) Industrial visit to Nirmiti Kendra

*Type of Activity	Industrial visit
Name/Title of the Event	Industrial visit to Nirmiti Kendra
Date of Organization	06/09/2023
Venue	Rajajinagar, Bangalore
Organized by	DEPARTMENT OF CIVIL ENGINEERING
Objectives of the event/activity	To explored and witnessed the potential alternate materials to meet the challenge of global warming in construction practices
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	42

#### **Event Description:**

The Department of Civil Engineering has organized a one-day visit to Nirmiti Kendra in view of imparting sustainable construction materials used in the practical field to fight against the reduction of carbon footprints in the construction industry.

The students of the 2nd and 4th semesters were taken to visit as a part of their curriculum subject, Green Buildings. Students were explained the latest lost cost housing techniques by Er. Manjunath Engineer Nirmiti Kendra, and practical sessions wereundertaken by Er. Shiv Shanker Site Incharge.

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#### \*Type of Event / Activity:

Workshop/seminar/conference/hackathon/hobby project/mini project/Invited Talk/GuestLecture/Skill enhancement program/Cultural activity/competitions etc.,

NOTE: All the Events should be in one PDF File.

Date of Submission

Signature of the HOD

S.C.E, Bangalore-560 057

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road.
Bangalore-560 057

#### Report on Industrial Visit to Nirmiti Kendra

#### About Nirmiti Kendra:

Bangalore district administration has established R&D institutes in India like CBRI, SERC, IIT, RRI etc. Nirmiti Kendra is developing technologies that can reduce the cost of construction and also we can conserve the energy to a large extent and also recycling of waste materials. Government of India has established Building centers in each district under the National Network of "Building Centers" in India. These are all "Technology Transfer" centers. These Building Centers will promote and propagate the proven technologies from the above R&D Institutes to the filed on "Lab to Land" principles.

#### TECHNOLOGIES PROPAGATED FOUNDATION

- Random Rubble Masonry, Arch
- ## FoundationWALLING
- Stabilized Mud Blocks, Concrete Block (Hallow & Solid),
- Rat trap bond, Ferro cement Portion & Selves, Fly ash Blocks.

#### ROOFING

Filler Slab, Ferro cement Channel, Jack Arch Roofing, Mud Block Roofing, RibbedSlab Roofing, Mud Block Jock arch Roofing, High Volume Flyash Roofing.

#### **OPENINGS**

Steel Doors & Windows, Arches, Corbels, RCC Doors, Window frames, FRP & CoirShutter.

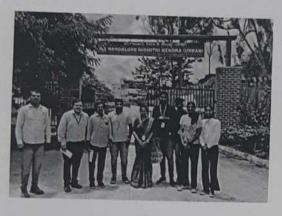
#### CONSULTANCY AND HOUSING GUIDANCE.

Nirmithi Kendra has provided technical assistance on innovative technologies toprivate builders and contractor

The Department of Civil Engineering has organized a one-day visit to Nirmiti Kendra in view of imparting sustainable construction materials used in the practical field to fight against the reduction of carbon footprints in the construction industry.

The students of the 2nd and 4th semesters were taken to visit as a part of their curriculum subject, Green Buildings. Students were explained the latest lost cost housingtechniques by Er. Manjunath Engineer Nirmiti Kendra, and practical sessions were undertaken by Er. Shiv Shanker Site Incharge.

The students explored and witnessed the potential alternate materials to meet the challenge of global warming in construction practices. Prof. Santhosh R. Asst. Professor, Prof. Vinodkrishna M. Savadi, and Prof. Kavya H. P. coordinated the visit. We thank our management chairman, Sri Dayanand, managing director, Sri G D Manoj, principal, Dr. H Ramakrishna, and officials of Nirmiti Kendra for the successful completion of the visit.













Site visit to Nirmiti Kendra

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#### SAPTHAGIRI COLLEGE OF ENGINEERING

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# Monthly Event Report for the month of NOVEMBER AY: 2023-24 DEPARTMENT OF CIVIL ENGINEERING

*Type of Event/Activity	Site Visit to Marathalli, Bangalore
Name/Title of the Event / Activity	Site Visit to Marathalli, Bangalore
Date of Organization	27/11/2023
Venue (with address)	Marathalli, Bangalore
Organized by	Department of Civil Engineering
Objectives of the event/activity	To understand the Scope of Steel Structures, Construction works and erection methods
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	35
Mention organized /participated/attended	

#### **Event Description:**

Sapthagiri College of Engineering, Bengaluru conducted a steel structures construction site visit on 27.11.2023. The final year students of Department of Civil Engineering were actively participated in the activity and they have learned about how to implement their design in site, witnessed different sections and enhanced their knowledge about erection and section handled by labors in site. 35 Students along with the faculty had been to site in Marath halli,

#### **Images:**

#### Note:

(i) After every event, please take feedback

(online/offline).(ii)At the end map PO's (with

3/2/1):

PO1	TPO2	P03	P04	P05	P06	P07	P08	P09	P010	P011	PO12
1	102	2			1	1			- 34		-

#### \*Type of Event / Activity:

Workshop/seminar/conference/hackathon/hobby project/mini project/ Invited Talk/Guest Lecture/Skill enhancement program/Cultural activity/competitions etc.,

Date of Submission:

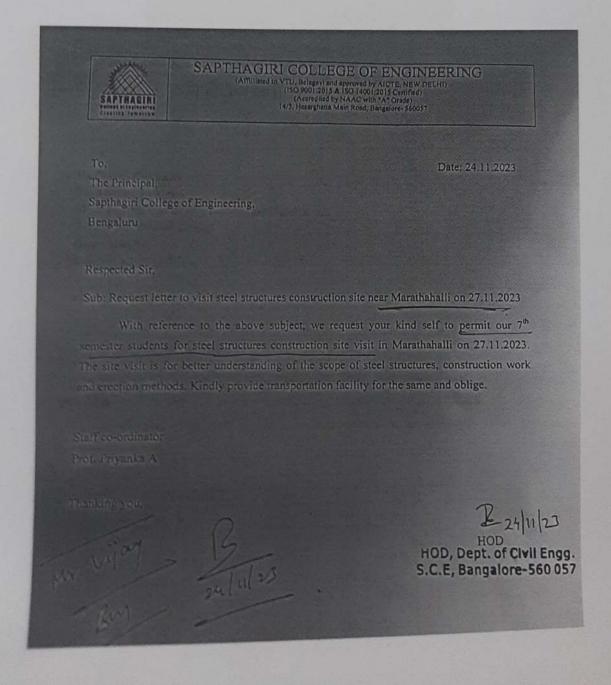
Signature of the HOD

NOTE: All the Events should be in one PDF FileDD, Dept. of Civil Engg. S.C.E, Bangalore-560 057

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road. Bangalore-560 057

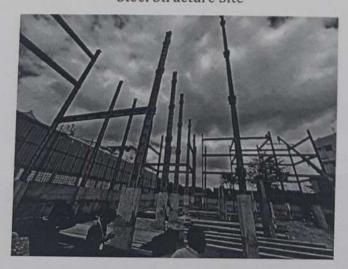
## REPORT ON "SITE VISIT TO STEEL STRUCTURES CONSTRUCTION"

Sapthagiri College of Engineering, Bengaluru conducted a steel structures construction site visit on 27.11.2023. The final year students of Department of Civil Engineering were actively participated in the activity and they have learned about how to implement their design in site, witnessed different sections and enhanced their knowledge about erection and section handled by labors in site. 35 Students along with the faculty had been to site in Marath halli, Bengaluru.





Steel Structure Site



Steel Columns erected in site



Students clearing their doubts with site engineer



Site engineer Mr. Karthik explaining about construction details



Site engineer Mr. Karthik explaining about construction details



Students with Prof. Priyanka A and Site Er Karthik

#### **About Steel Structures Construction**

In modern construction, steel structures is used for almost every type of structure including heavy industrial building, high-rise building, equipment support system, infrastructure, bridge, tower, airport terminal, heavy industrial plant, pipe rack, etc Depending on each project's applicable specifications, the steel sections might have various shapes, sizes and gauges made by hot or cold rolling, others are made by welding together flat or bent plates. Common shapes include the I-beam, HSS, Channels, Angles and Plate. Students have already studied steel and RCC in their academics. Its very important to know the site limitations, erection procedures, material handling and labour management in site.

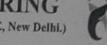
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

HOD, Dept. of Civil Engg. S.C.E. Bar asiasa 550 057



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# SAPTHAGIRI COLLEGE OF ENGINEERING



(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.) (Accredited by NAAC with 'A' Grade) (ISO9001-2015&14001-2015Certified) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057.

#### Department of Civil Engineering

Academic Year: 2023-2024

Type of event or Activity	Workshop on problem solving and ideation						
Name/Title of the event / Activity	Workshop on GIS						
Date of Organization	02.11.2023						
Venue	Sapthagiri College of Engineering						
Organized by	Department of Civil Engineering						
Objectives of Events /	<ol> <li>To know the necessity of GIS</li> <li>To create shape files for point, lines, and polygon features withat map reference.</li> <li>Conducted hands on sessions for the same topic and</li> <li>Create decision maps for specific purposes</li> </ol>						
Participants (Please attach list of participants, if it is organized/conducted in the lept.)	63						

**Event Description** 

The seminar highlighted the various information about GIS. A Geographic Information System (GIS)is a computer system that analyzes and displays geographically referenced information. It uses data that is attached to a unique location. GIS is a computer system for capturing, storing, checking, and displaying data related to positions on Earth's surface. GIS links maps to databases and creates a visualization of data, and allows interactivity between the map and the data in a database.

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1	100	1	-		1	1-	1		-	-

\*Type of Event / Activity: Workshop/seminar/conference/hackathon/hobby project/mini project/ Invited Talk/Guest Lecture Skill enhancement program/Cultural activity/competitions etc.,

02/11/2023 Date of Submission: Sapthagiri College of Engineering

Signature of the HOD HOD, Dept. of Civil Engg. S.C.E, Bangalore-560 057

NOTE: All the Events should be in one PDF File

## Report on Problem solving and Ideation on GIS'

#### 1. About the session

The objective of this session is to shade a light on GIS (Geographic information system). Speaker of the session Mr. Puneeth, ESRI Portfolio, GIS specialist explained about necessities of GIS, creating shape files for point, lines, and polygon features with a map reference. Conducted hands on sessions for the same topic and covered decision maps for specific purposes.

#### 2. Course contents / conference themes

The seminar highlighted the various information about GIS. A Geographic Information System (GIS) is a computer system that analyzes and displays geographically referenced information. It uses data that is attached to a unique location. GIS is a computer system for capturing, storing, checking, and displaying data related to positions on Earth's surface. GIS links maps to databases and creates a visualization of data, and allows interactivity between the map and the data in a database.

#### 3. Details of coordinator's

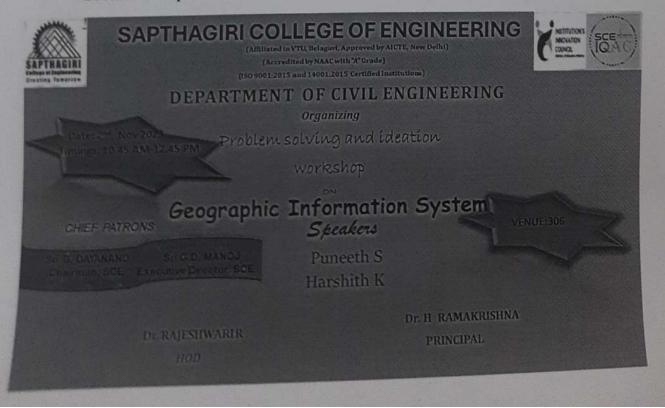
Convener

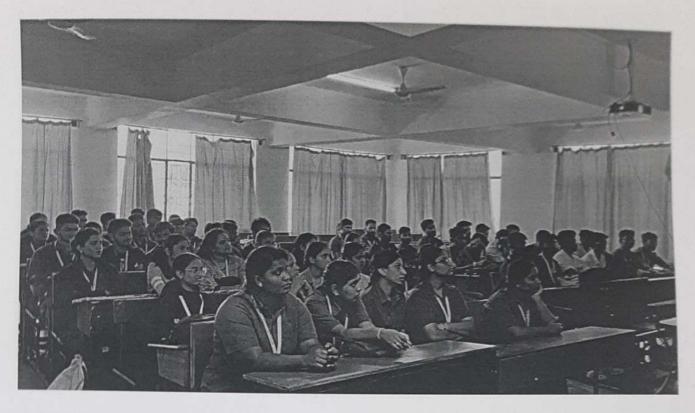
HOD: Dr. Rajeshwari, Prof, Head, CE

Co-Ordinator's: Prof. Pallavi G A

Participants - 63

Brochure and photos of the session





Students participated in workshop



HOD addressing the students



Speaker addressing the students



Students participated in workshop

02/11/2023 Date of Submission:

> Principal Sapthagiri College of Engineering Chikkesandra, Hesaraghatta Road,

Signature of the HOD

HOD, Dept. of Civil Engg. S.C.E, Bangalara-560 057



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# Department of Civil Engineering

Academic Year: 2023-2024

Type of event or Activity	Workshop
Name/Title of the event / Activity	Design thinking, Critical thinking, and Innovation design on BIM
Date of Organization	08.12.2023
Venue	Sapthagiri College of Engineering
Organized by	Department of Civil Engineering
Objectives of Events / activity	<ol> <li>Describe building information modelling methodology.</li> <li>Set up a project and transfer standards between projects, add and modify levels in project model, create and modify grids.</li> <li>Use the different views listed in the Project Browser, control the visibility and graphical Representation of objects</li> </ol>

Event Description

Speakers explained about BIM software. BIM adoption has grown substantially in 2011, 43% of respondents had not heard of BIM. Today, awareness is almost universal, with 73% using BIM. Improved coordination of information. The majority approach BIM by following either the PAS/BS 1192 or BS EN ISO 19650 series of standards. Many are familiar with and using the stand

Participants (Please attach	5 are standard document
list of participants, if it is organized/conducted in the	39
dept.)	

PO1	PO2	PO3	PO4	PO5	PO6	PO7	DOG	1			
1	4 11 11	1			100	TU/	PO8	PO9	PO10	PO11	PO12
		17	11	1-	1	1	-	1		1	

\*Type of Event / Activity: Workshop/seminar/conference/hackathon/hobby project/mini project/ Invited Talk/Guest Lecture/Skill enhancement program/Cultural activity/competitions etc.,

08/12/2023

Principal" Date of Submission thagiri College of Engineering

Chikkasandra, Hesaragh NOTE: All the Events should be in one PDF File Signature of the HOD

HOD, Dept. of Civil Engg. S.C.E. Bannalore-560 057

#### Report on BIM-Building Information Modelling

#### 1. About the session

The objective of this session is to implications of BIM adoption across the industry are far from clear, however the lead time to prepare for it requires business and industry leaders engage in serious strategic planning. Speakers of the session Miss. Deepika, Miss. Archana, Miss. Desulla Bhavani explained about affordable computing created the possibility of generating and then storing lots of related data in an efficient single location and this software capable of providing 'Virtual Building Solutions' allowed designers to create virtual, three-dimensional (3D) representations of their projects.

#### 2. Course contents / conference themes

The seminar highlighted the various information about BIM. The BIM Engineers, one of the design consultants on the project, deployed the latest technological know-how in BIM to build the dynamic facilities. The consultants challenged the conventional method of designing the structure, by transitioning from in-silos data in AutoCAD to collaborative Revit models to efficiently control and develop the design and coordination process. By transitioning from CAD to BIM, the plan-to-design, design-to-construction, and construction-to-handover processes became more accessible and robust.

Details of coordinator's Convener

HOD: Dr. Rajeshwari, Prof, Head, CE

Co-Ordinator's: Prof. Pallavi G A

Participants - 39

Brochure and photos of the session





Students participated in workshop



Students participated in workshop



Speaker addressing the students



08/12/2023 Date of Submission: Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraphalta Road,

Signature of the HOD



## SAPTHAGIRI COLLEGE OF ENGINEERING

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(Accredited by NAAC with "A" Grade) 14/5, Hesarghatta Main Road, Bangalore- 560057

#### Department of Civil Engineering

Monthly Event Report for the month of January-2024

#### VISIT TO WATER TREATMENT PLANT

*Type of event/activity	Industrial visit
Name/Title of the Activity/Event	Visit to BWSSB's 550 MLD water treatment plant- T K halli
Department	Civil Engineering
Date of Organization	05-01-2024
Venue (With address)	550 MLD Water treatment plant at T K Halli, near Malvalli, Banglore.
Objectives of the event/activity	To enhance the knowledge of construction and working of Domestic water treatment plant for students.
Participants	
(Please attach list of participants, if it is organized/conducted in the dept.))	7 <sup>th</sup> semester- 39 students + 3 faculties

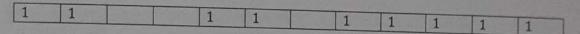
#### **Event Description:**

An Industrial visit was organized by Department Of Civil Engineering for 7th Semester Students to BWSSB-550 MLD T K Halli water treatment plant Bangalore on 05th January 2024. This visit aims to provide practical knowledge of water treatment units and its working principle, plant AEE Raghu and In-charge of the plant explained about the working procedure. The plant is having primary, secondary and tertiary treatment because that treated water is using for drinking purpose for mysoreans and few parts of Bangalore. The faculty in charge Prof. Nandini I V, and with the help of Prof. Priyanka A, Anil sagar S co-ordinated to field visit. Prof. Anil Sagar given safety instructions need to be followed inside the plant. Plant In charge explained each unit process clearly and students maintained discipline at plant.

#### Note:

(i) At the end map PO's (with 3/2/1):

PO1	PO2	P03	P04	P05	P06	P07	P08	P09	PO10	PO11	PO12	I
The second second				The second second	-							



\*Type of activity: Site visit to Water treatment plant.

Workshop/seminar/conference/hackathon/hobbyproject/miniproject/InvitedTalk/Guest Lecture/ Skill enhancement program/Cultural activity/competitions etc.,

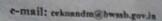
Date of Submission: 15-01-2024

Signature of the HOD

HOD, Dept. of Civil Engg. S.C.E. Bangaloro-560 057

Principal Septhagiri College of Engineering Chikkasandra, Hesaraghatta Road,

# Permission letter from BWSSB to visit T K Halli WTP plant



Phone: 080-22945263

BANGALORE WATER SUPPLY AND SEWERAGE BOARD ಬೆಂಗಳೂರು ನೀರು ಸರಬರಾಜು ಮತ್ತು ಒಳಚರಂಡಿ ಮಂಡಳಿ

ಮುಖ್ಯ ಅಭಿಯಂತರರು (ಕಾವೇರಿ-ಕಾರ್ಯಾಚರಣೆ ಮತ್ತು ನಿರ್ವಹಣೆ) ರವರ ಕಲೀರಿ. Office of the Chief Engineer ( ಕನೇ ಮಹಡಿ, ಕಾವೇರಿ ಧವ

No.BWSSB/CE(K-O&M)TE/TA-10/ 1296

To, EE(K-O&M)-1

Subject:

Permission to visit Water Treatment Plant at Thorekadanahalli

(T.K Halli)-reg.

Reference: 1. Letter from Saptagiri College of Engineering, Bangalore-

560057 dated: 27.12.2023.

With respect to the above subject, The Professor & HOD, Sapthagiri College of Engineering, Bangalore-560057 has requested to permit their Students & Staff to visit Drinking water Treatment Plant, the students intend to have observation visit on 05.01.2024 there are 44 members, (40 students + 4 faculties) respectively who would

like to visit Thorekadnahalli on above said date.

In this regard it may be considered to permit the faculty and students of Sapthagiri College of Engineering, Bangalore-560057 under the following conditions.

> It is mandatory that, students should be above the age of 12 and the team should be accompanied by their faculty.

> Faculty /Representatives of Institution will be held responsible for the

safety of the students.

- Selfie/Photography is prohibited in the Treatment Plant and BWSSB premises. Mobile phones/camera shall not be carried inside the BWSSB premises.
- No recreation/cultural activities shall be entertained in the vicinity.
- Consumption of food and vehicles are not allowed inside BWSSB premises.
- One Assistant Engineer/Assistant Executive Engineer of the Board will be accompanying the team throughout the visit.
- Visitors are prohibited to enter the restricted area in the Treatment Plant. If violated, Faculty / Representative of institute will be held responsible for any kind of loss/damages to any individual and / or BWSSB property.
- Entry is limited to the Water Treatment Plant.

The Prescribed fee of R for the visitors shall be paid to BWSSB before the visit.

In addition to the above utmost care shall be taken to avoid any untoward incidents/accidents. One Assistant Executive Engineer shall accompany the team throughout the visit. Any untoward incident/accident occurs during the visit, the Faculty/Representatives of the Institution will be solely responsible. The team of visitors shall comprise those mentioned in the enclosed list and their identities shall be thoroughly verified and ensure that only these members are allowed inside. The Head of the Team shall give an undertaking for complying with the conditions.

EE(K-O&M)-1 may permit the faculty and students of Sapthagiri College of Engineering, Bangalore-560057 to visit the Water Treatment Plant at Thorekadanahalli on 05-01-2024 with acceptance of all the above conditions & Faculty/Representatives of the Institution/School shall be entirely responsible for the visit.

Chief Engineer (Kaveri-O&M) BWSSB

Copy: I. Professor & HOD Sapthagifi College of Engineering, Bangalore-560057, for Information & & needful. (Fee Rs. 25/- per person to be paid before TK Halli Plant Visit, for Co-Ordination Contact: Mr Raghu, AFE: Mob No: 8892151475).

2. AC(Accounts & Tax)-1 BWSSB, for information & needful.

Office of the Assistant Controller (Acota.)

Bangaiore Water Supply and Sewerage Board

1st Floor, Cauvery Bhavan,

Bangaiore - 560 000.

H 1-00 2h.

# Site Visit to Water Treatment Plant



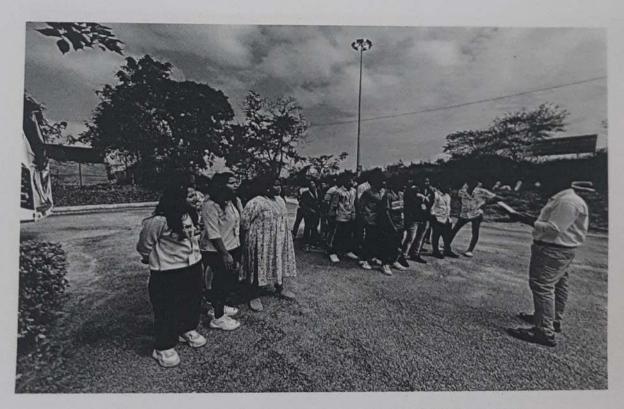
Students @ WTP Malvalli with co ordinators.

An Industrial visit was organized by Department Of Civil Engineering for 7th Semester Students at BWSSB- 550 MLD sewage treatment plant Malvalli, Bangalore on 05th January 2024. This visit aims to provide practical knowledge of water treatment units and its eworking principles. Raghu AEE of the plant explained about the working procedure of aeration ,screens, plain sedimentation , sedimentation aided with coagulation and disinfection process. The capacity of that plant is 550 MLD. In that plant primary, secondary and tertiary treatment for water was done, treated water is using only for drinking purpose by the people mysore and few parts of bangalore , and the faculty in charge Prof. Nandini I V co-related it with the theory which is done in the class. This helped the students to understand the concept clearly. With the help of all the faculties, visit went smoothly and students-maintained discipline at plant.

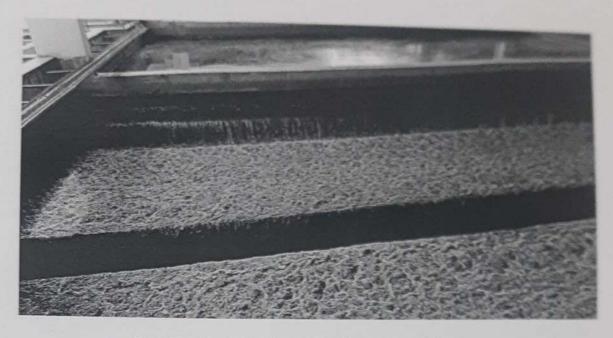
# 7<sup>TH</sup> SEM STUDENTS ATTENDANCE

Sl.no.	USN	Student name
1	1SG20CV001	ADARSH PANDEY
2	1SG20CV002	AKSHAY GOWDA B M
3	1SG20CV003	ANAND
4	1SG20CV004	BHOOMIKA D R
5	1SG20CV005	DHANUSH LK
6	1SG20CV006	HARSHAVARDHAN M
7	1SG20CV008	K LOHIT BABU
8	1SG20CV009	KARTHIK KJ
9	1SG20CV010	KISHAN S
10	1SG20CV011	LAKSHMAN NAIK KS
11	1SG20CV012	MOHD MUDASSAR RATHAR
12	1SG20CV013	NABIN KUMAR MAHATO
13	1SG20CV014	NEHA T M
14	1SG20CV015	NISARGA S S
15	1SG20CV016	PRATHIKSHA P PALANKAR
16	1SG20CV017	PREETHAM K R
17	1SG20CV018	RAKSHITHA R
18	1SG20CV019	ROHAN M
19	1SG20CV021	SAGAR MN
20	1SG20CV022	SANKETH VALAHATTI
21	1SG20CV023	SHARAN S MALI PATIL
22	1SG20CV024	SHIVARAJA KUMAR PARASAPPA HOLIYACHI
23	1SG20CV026	SUJAY GOWDA G
14	1SG20CV027	SUMA S
	1SG20CV028	TARUN K
25	1SG20CV029	TEJAS M

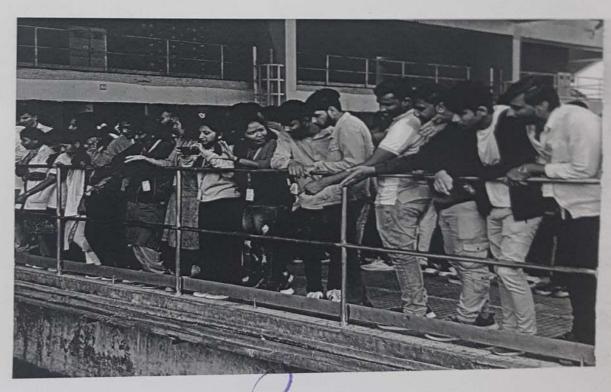
27	1SG20CV030	THANUSHREE K S
28	1SG20CV031	VENKATESH
29	1SG20CV032	VIDYA S
30	1SG20CV033	VINAY V
31	1SG20CV034	YAMUNA KR
32	1SG20CV035	YASHAS K A
33	1SG20CV036	YASHU GOWDA R
34	1SG20CV037	YOUNIS AHMAD TALI
35	1SG21CV400	BINDUSHREE A S
36	1SG21CV401	DARSHAN R
37	1SG21CV402	KIRAN M
38	1SG21CV404	MANJUNATH NAIK L
39	1SG21CV405	MANOJ D M



Coordinator Given Safety Instructions Before Entering WTP



Back Washing / Cleaning of Rapid Sand Sand Filter



Students at WTP with coordinators.

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Bangalore-560 607



## SAPTHAGIRI COLLEGE OF ENGINEERING

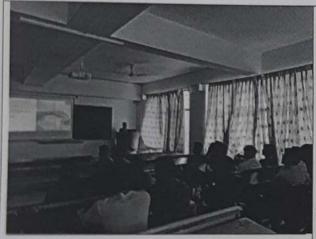
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AY:2023-24

#### DEPARTMENT OF CIVIL ENGINEERING

# REPORT ON "Workship on Revit Architecture"

Department of Civil Engineering, Sapthagiri College of Engineering, Bengaluru has arranged a Workshop on Revit Architecture for students of 5th semester on 16.01.2024 in association with 'Jnana Infotech, Bangalore'. Seminar was co-ordinated by Ms. Rachana who was trainer for the workshop. 33 students have registered and benefited.













#### About software

Revit is software mainly used for 3D Modeling or BIM (Building Information modeling). It will create a perfect scenario of what is going to happen at the construction site. So basically all the design clashes will be able to rectified using the Revit Model. Moreover, there is option for Structural Design and Analysis of Framing, Columns, Slabs etc. We can use this software for Rebar detailing. And the most important one is cost reduction in Estimation of the project as we can purge all the unwanted and unused materials.

#### Outcomes of Workshop

- 1. To be familiar with advanced Civil Engineering Software like Revit architecture and its use in our field: After the completion of the workshop students are now familiar with the use of this software to draft the plan, elevation-sections, to update floor plans, floor levels and to develop the 3D views.
- 2. To Produce consistent, coordinated and complete model-based building designs and documentation: After competition of the workshop students are able to produce complete model based building design with the help of Revit Architecture software.

3. Use 3D visualizations to see a building before it's built.

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road.

Bangalore-560 057

HUD, Dept. of Civil Engg. S.C.E, Bangalore-560 057 2) 3<sup>rd</sup> and 5<sup>th</sup> semester mini project

Type of event or Activity	Exhibition						
Name/Title of the event / Activity	Mini Project Exhibition						
Date of Organization	09.03.2024						
Venue	ALH 411, Department of Civil Engineering, Sapthagiri Collegeof Engineering						
Organized by	Department of Civil Engineering						
Objectives of Events / activity	The main object is to get knowledge about current topics in civil engineering     To improve skills on model making, presentation and explanation     To motivate themselves and others to conduct major projects and events in future						
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	42						

## **Event Description**

Mini Project exhibition was organized to 3<sup>rd</sup> and 5<sup>th</sup> semester Civil Engineering students. To encourage students to present their mini project with their batchmates. To encourage other students to participate in future events. Individual projects are evaluated by Manjunath R Alumini student.

Images:

Note:

- (i) After every event, please take feedback (online/offline).
- (ii)At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1		2	-		1		-	1	2		3

#### \*Type of Event / Activity:

Workshop/seminar/conference/hackathon/hobby project /mini project/ Invited Talk/Guest Lecture/Skill enhancement program/Cultural activity/competitions etc.,

NOTE: All the Events should be in one PDF File.

Signature of the HOD

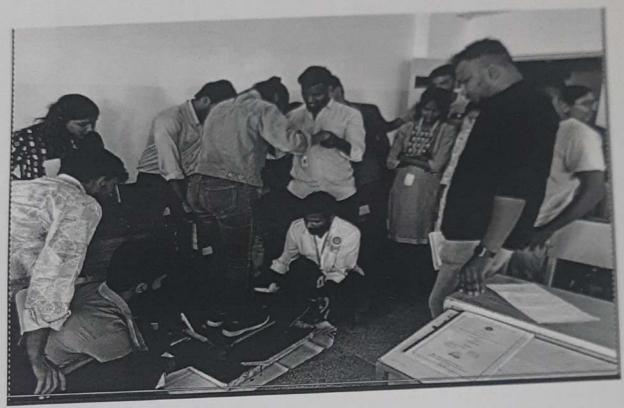
HOD, Dept. of Civil Engg. S.C.E, Bangalore-560 057

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Sapthagiri College of Engineering
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Bangalore-560 057

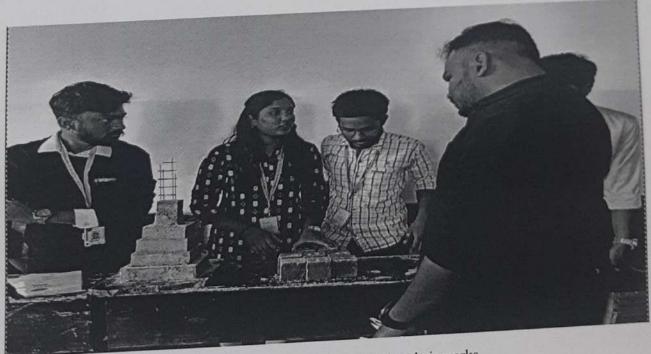


Mini Project exhibition was organized to 3<sup>rd</sup> and 5<sup>th</sup> semester Civil Engineering students on 09/03/2024. Exhibition was arranged in ALH 411, under the guidance of Faculty Coordinator Ms. Vanishree.S Principal Dr. Ramakrishna and Prof & Head, Department of Civil Engineering Dr. Rajeshwari R were accompanying the event. The event was attended by all the faculty and staff members. All the Students were participated in the event. Manjunath R Alumini students was the Evaluator for the exhibition.

HOD, evaluators and faculty members appreciated the work done by the students and suggested few topics for their major projects. HOD madam spoke about this kind of mini project has more significant role in core engineering field like civil engineering. The pursual of mini projects could help in creating a better career after completing the course. Mini project serves as a good exhibition tool for the student, which would aid the companies to distinguish diverse background students while recruiting. As the final year civil engineering projects require immense technical skills and expertise, doing mini-projects tend to expose civil engineering course students with majority of needed technical skills and expertise before going into the final year.



Mini project work by students



Students explaining their works



Mini project work by students

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Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road.
Bangalore-560 057

HOD, Dept. of Civil Engg. S.C.E, Bangalore-560 057

#### 4) World Water Day

Type of event or Activity	World Water Day					
Name/Title of the event /Activity	World Water Day					
Date of Organization	22.03.2024					
Yenue Seminar Hall, Sapthagiri Collegeof Engineering, Bangalore						
Organized by	Department of Civil Engineering					
Objectives of Events /activity	<ol> <li>To bring awareness about the importance of water, availability of water and challenges facing with the water pollution.</li> <li>To create awareness about the exploitation of water as well as to make them to understand the necessity of protection and preservation of water.</li> </ol>					
Participants (Please attach list of participants, if it is organized/conducted in thedept.)	120					

**Event Description** 

World Water Day awareness program was organized on 22<sup>nd</sup> march 2024 with the co-ordination of faculties of Civil Engineering Department. To bring awareness about the importance of water, availability of water and challenges facing with the water pollution, Program aimed to create awareness about the exploitation of water as well as to make them to understand the necessity of protection and preservation of water.

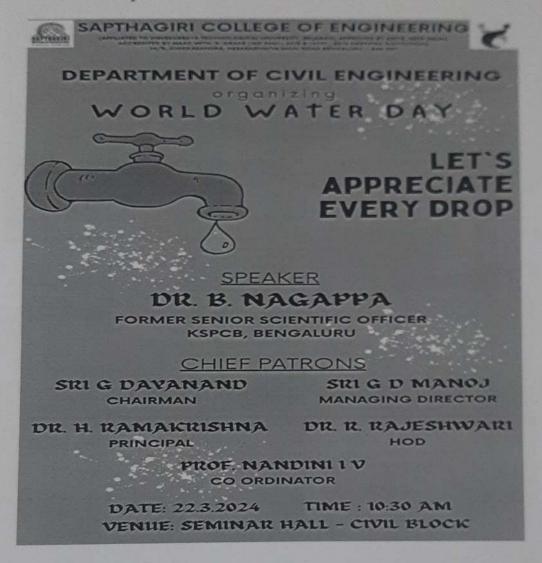
Chief Guest Dr.B Nagappa , former Senior scientific officer KSPCB Bengaluru, given talk on World Water Day (WWD) 2024.

#### Images:

Note:

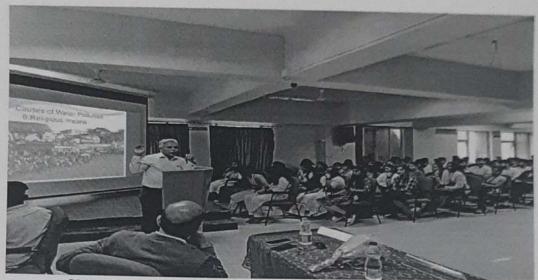
- (i) After every event, please take feedback (online/offline).
- (ii)At the end map PO's (with 3/2/1):

#### A Report on "WORLD WATER DAY" 2024



World Water Day awareness program was organized on 22<sup>nd</sup> march 2024 with the co-ordination of faculties of Civil Engineering Department. To bring awareness about the importance of water, availability of water and challenges facing with the water pollution, Program aimed to create awareness about the exploitation of water as well as to make them to understand the necessity of protection and preservation of water.

Chief Guest Dr.B Nagappa, former Senior scientific officer KSPCB Bengaluru, given talk on World Water Day (WWD) 2024. He clearly explained about the global water availability, scarcity of water, and Indian rivers and lakes pollution, by different harvesting methods like roof top rain water harvesting and ground water recharge is required to avoid water crisis. Sessions were very informative as we got details about the toxic pollutants present in Indian surface water sources. Students got enough information about importance of water preservation and everyone pledged to save water.



Chief Guest Dr. B Nagappa delivering talk on World Water Day



Principal and HOD of Civil Engineering Department Honouring the Chief Guest



Principal and HOD's of various Department

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road. Bangalore-560 057

Scanned with ACE Scanner

# 5) Technical Talk on "Revolution in ultratech cement"

Type of event or Activity	Technical Talk
Name/Title of the event / Activity	Revolution in ultratech cement
Date of Organization	16.03.2024
Venue	ALH 409, Department of Civil Engineering, Sapthagiri College of Engineering
Organized by	Department of Civil Engineering
Objectives of Events / activity	To enhance the knowledge of cement to students of all semesters
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	75

#### **Event Description**

Technical talk was organized to all semesters of Civil Engineering students. To enhance students knowledge. Cash Price are given to toppers in concrete technology to encourage the students and enrich knowledge in cement.

#### Images:

#### Note:

- 1) After every event, please take feedback (online/offline).
- 2) At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	POII	PO12
1		2	-		1	-	-	1	2		3

<sup>\*</sup>Type of Event / Activity:

Workshop/seminar/conference/hackathon/hobby project /mini project/ Invited Talk/Guest Lecture/Skill enhancement program/Cultural activity/competitions etc.,

NOTE: All the Events should be in one PDF File.

Signature of the HOD

HOD, Dept. of Civil Engg. S.C.E, Bangalore-560 057



Technical talk was organized to all semesters Civil Engineering students on 16.03.2024. Programe was arranged in ALH 409, under the guidance of Faculty Coordinator Mr.Pramod K.R., Principal Dr. Ramakrishna and Prof & Head, Department of Civil Engineering Dr. Rajeshwari R were accompanied the programe. The Technical talk was given by Ultratech Territory Manager Er. Manjunatha V.

About Er. Manjunatha V:

- 1. Worked as an Nodal Engineer in KMRP project at Mulbagal
- 2. Worked as an Assistant Engineer in Minor Irrigation.
- 3. Worked as an Technical Services Officer at ACC Limited
- 4. Worked as an Assistant Professor at EPCET
- 5. Working as Territory Manager at Ultratech Cement Limited.

Awards/Rewards.

- 1. Received best Employee business growth award at ACC Limited 4 times.
- Received Outstanding performer Award in ACC Limited.
- 3. Awarded for good innovative ideas (Innovation in Construction) at Ultratech cement limited.
- 4. Published 4 journals on Replacement of Municipal Waste Ash in Concrete Eco friendly concrete.

Principal addressed the students regarding the technical talk on cement, then HOD of civil department also shared the importance of this technical talk later Er. Manjunatha V, gave a talk on

rapid development in cement industry, at present how cement is reduced with naturally available materials, and deuce the effect of Co2 emission by cement industry, also he extended his knowledge sharing on concrete behaviour and other new materials introduced in market by ultratech then cash price given to the toppers in concrete technology by Er.Manjunatha V Territory Manager at Ultratech Cement Limited, Vote of thanks was given by Prof. Pramod K R.

Photos of the Talk is attached below.



Cash Prize for Highest Marks scored in Concrete Technology



Er Manjunath V gave a talk on rapid development in cement industry



Er Manjunath V gave a talk on rapid development in cement industry

19

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

HOD, Dept. of Civil Engg. S.C.E, Bangalore-560 057



#### SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, References Approved by ARCTE, New Holling, ISO 9001 - 2015 & ISO14001 - 2015 Corolland

14/5, Chikkasandra, Hesaraghatta main road, Bengaluna 560057

(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by ARCTE, New Code)

(Accredited by NAAC with "A" Grade)

(ISO 9001 : 2015 & 14001 : 2015 Certified Institution)

# Monthly Event Report for the month of May 2024 DEPARTMENT OF CIVIL ENGINEERING

*Type of Event/Activity	VTU Curriculum						
Name/Title of the Event / Activity	Extensive Survey Camp						
Date of Organization	07/05/2024 to14/05/2024						
Venue	Melkote						
Organized by	DEPARTMENT OF CIVIL ENGINEERING						
Objectives of the event/activity	1) To restore or enhancing the capacity of the existing reservoir which has lost its original capacity due to desilting or damages to original Construction and to propose for any rise in height of bund and waste weir etc.  2) To identify the Storage Capacity of New Tank  3) To identify the Alignment of the Road and planning for future development and anticipated traffic needs for a specific design period.						
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	33						

#### **Event Description:**

Extensive Survey (18CVP68) Project was conducted for the 6<sup>th</sup> Semester Students as per VTU Curriculum. The Camp was held at Melkote from 6<sup>th</sup> April to 15<sup>th</sup> April 2023. New Tanks are Constructed to provide water for multipurpose irrigation Purpose. The position of Centre line of the Highway on the ground is called the Alignment. The new alignment should be short, easy, safe & economical. The Highway Alignment may consists of Straight Path, Horizontal Curves & Vertical Curves. Highway Alignment should be carefully planned otherwise improperly aligned highway may result in capital loss in construction or loss in cost of maintenance and vehicle operation or both also in making a new layout on a barren/an agricultural area with all the amenties for comfortable living by making provisions for infrastructure such as roads, Water Supply, Sewage Disposal, Power lines, Parks or open spaces for Public buildings etc., as zoning regulations adoptable to the location.

#### Images:

Note:

#### After every event, please take feedbackonline/offline

P01	PO2	P03	P04	P05	P06	PO7	P08	P09	PO10	P011	P012
2	2	1	2	2	2	3	2	2	2	1	1

#### \*Type of Event / Activity:

Workshop/seminar/conference/hackathon/hobby project/mini project/ Invited Talk/Guest Lecture/Skill enhancement program/Cultural activity/competitions etc.,

Date of Submission

Signature of the HOD

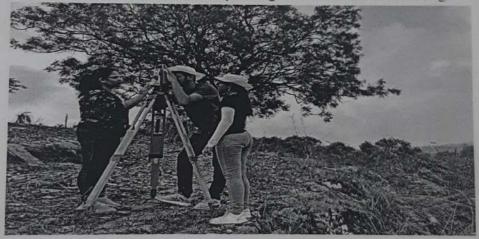
NOTE: All the Events should be in one PDF File, Dop, Dept. of Civil Engg.

## REPORT ON 'EXTENSIVE SURVEY CAMP PROJECT'

Extensive Survey (18CVP68) Project was conducted for the 6th Semester Students as per VTU Curriculum. The Camp was held at Melkote from 7th May to 14th May 2024. During this Stipulated time, five different Projects were been Conducted at different Site locations namely:

- 1) New Tank Project
- 2) Old Tank Project
- 3) Highway Project
- 4) Water Supply and Sanitary Engineering
- 5) Town Planning

New Tank Project (NTP): New Tanks are constructed to provide water for multipurpose irrigation Purpose. Tanks and Reservoirs requires very careful Planning, Design and operation for which certain observations relating to selection of site, relative merits of different types of tanks, Storage Capacity, Optimum Yield, coordinated uses of storage for different purposes etc, are to be studied in detail. The object of this Project is to propose Construction of an Earthen Dam across a valley through which a stream is flowing.



Students using Total station for L/S & C/S IN NTP Site



Students are doing Canal alignment at NTP Site

This Project was Successfully Completed by all the students under the Guidance of Prof. Priyanka

Restoration of an Existing Tank (OTP): The objective of this project is to restore or enhancing the capacity of the existing reservoir which has lost its original capacity due to desilting or damages to original Construction and to propose for any rise in height of bund and waste weir etc.



Students are doing L/S &C/S at OTP Site



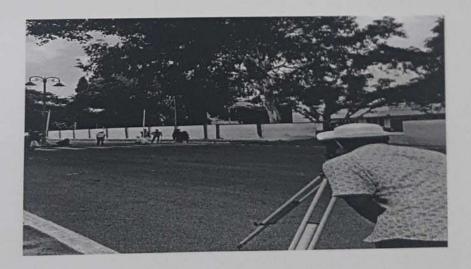
Students and faculties at OTP Site

This Project was completed by all the Students under the Guidance of Prof. Pallavi G A

Highway Project: The position of Centre line of the Highway on the ground is called the Alignment. The new alignment should be short, easy, safe & economical. The Highway Alignment may consist of Straight Path, Horizontal Curves & Vertical Curves. Highway Alignment should be carefully planned otherwise improperly aligned highway may result in capital loss in construction or loss in cost of maintenance and vehicle operation or both.



Students are doing L/S and C/S at Highway Project



Students are doing alignment at Highway Project

This Project was Successfully Completed by all the Students under the Guidance of Prof Vanishree.

Water Supply & Sanitary Engineering: A branch of Civil Engineering dealing with the development and maintenance of water Supplies.

Rural Communities are generally small & poor. Hence the various elements of the schemes have to be necessarily simple & Comparatively cheaper requiring the minimum skilled supervision & Maintenance. Moreover the sources are generally Ground water leading to special problems like fluorides, iron & Salinity.



Students are doing L/S and C/S at WSTE Project



Students are doing village planning at WSTE Project

This Project was Successfully Completed by all the Students under the Guidance of Prof Nandini I V

#### Town Planning:

The objective of this project is to make a new layout on a bureaular agricultural arm with at the amenities for comfortable living by making provisions for inflammature such as much. Water Supply, Sewage Disposal, Power lines, Parks or open spaces for Public buildings on as zoning regulations adoptable to the location.



Students are doing town planning



Students are doing layout planning

This Project was Successfully Completed by the Students under the Guidance of Prof. Nandini

IV.

Septhagiri College of Engineering Chiklesandra, Hesaraghetta Road, Bengalore-560 057 HOD, Dept. of Civil Engg. S.C.E. Bangalore-560 05