

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institute)

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada)
(An ISO 9001:2015 Certified Institute)

Accredited by NBA & NAAC 'A' Grade

Nandamuru, Pedana Mandal, Krishna Dist – 521369.

DEPARTMENT OF CIVIL ENGINEERING A.Y: 2024-25

IV B.Tech II Sem Project Batch List

S.NO	BATCH NO.	Name of guide	Reg.No's of Students	Name of the Student	Title
1			22MQ5A0101	BUSAM GUNA VARDHAN	
2			22MQ5A0102	KOLLU RUSHEN DRA KUMAR	COMPARITIVE CASE STUDY ON
3		Mr.CH GIRI PHANI		KSHATRI YESWANTH KISAN	M25 MIX DESIGN OF
3	BATCH 1	KUMAR:	22MQ5A0104	SINGH :	CONVENTIONAL CONCRETE AND
4			21340140102	KOLLU RAGHAVA VEERA SAI	GEO POLYMER CONCRETE
4	4		21MQ1A0103	ANAND KUMAR	GEO FOLTMER CONCRETE
5		•	21MQ1A0101	ABDUL ATHIQUR REHMAN	r ·
6			22MQ5A0103	KOTTI VINAY BABU	. /
7		Mr. K V G M	22MQ5A0105	NUTHAKKI RAJA RAMA	*.
8	BATCH 2		22MQ5A0106	PUPPALA SIVA KUMAR	BAMBOO REINFORCED CONCRETE
9			21MQ1A0104	PINNINTI NAGA PRATHAP	
10			21MQ5A0110	MATTA BRAHMAM	S S

Project Co-ordinator

HOD-CE

SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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NANDAMURU, PEDANA MANDAL, KRISHNA DIST-521369

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is certify that the project report is entitled "COMPARATIVE CASE STUDY ON M25 MIX DESIGN OF CONVENTIONAL CONCRETE AND GEO POLYMER CONCRETE" is being submitted by

B. GUNA VARDHAN	22MQ5A0101
K. YESWANTH KISAN SINGH	22MQ5A0104
K. RUSHENDRA KUMAR	22MQ5A0102
A. ATHIQUR REHMAN	21MQ1A0101
K. RAGHAVA VEERA SAI ANANAD KUMAR	21MQ1A0103

Under my guidance and supervision and submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of technology in CIVIL ENGINEERING by JNTU-KAKINADA the year 2021-2025. The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

Mr. CH. GIRI PHANI KUMAR, M.Tech [Ph.D]

ASSISTANT PROFESSOR PROJECT GUIDE Mr. CH. GIRI PHANI KUMAR, M. Tech [Ph.D]

ASSISTANT PROFESSOR HEAD OF THE DEPARTMENT

DEPARTMENTOF CIVIL ENGINEERING

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved By AICTE, New Delhi& Accredited By NBA, Accredited by NAAC with "A"
Grade, Affiliated To JNTUK, Kakinada), (An ISO 9001:2015 Certified)

NANDAMURU, PEDANA MANDAL, KRISHNA DIST-521369



This is to certify that project entitled "BAMBOO REINFORCED CONCRETE" is being submitted by

K. VINAY BABU 22MQ5A0103

N. RAJA RAMACHANDAR 22MQ5A0105

P. SIVA KUMAR 22MQ5A0106

M.BRAHMAM 21MQ5A0110

P. NAGA PRATHAP 21MQ1A0104

In partial fulfilment of the requirement for the award of degree B.Tech in Civil Engineering from Jawaharlal Nehru Technology University Kakinada, Kakinada is a record of Bonafide work carried out by them at Sri Vasavi Institute of Engineering and Technology. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

KV G M SREERAM M. Tech, AMIE ASSISTANT PROFESSOR

PROJECT GUIDE

CH. GIRI PHANI KUMAR M. Tech (Ph.D)
ASSISTANT PROFESSOR

HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR: 2024-2025

STUDENT INTERNSHIP

S.NO	REG NO	NAME OF THE STUDENT	TUDENT NAME OF THE PROGRAM	
1	21MQ1A0101	ABDUL ATHIQUR REHMAN	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
2	21MQ1A0102	JAMPANA MAHESH	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
3	21MQ1A0103	KOLLU RAGHAVA VEERA SAI ANAND KUMAR	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
4	21MQ1A0104	PINNINTI NAGA PRATHAP	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
5	22MQ5A0101	BUSAM GUVA VARDHAN	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
6	22MQ5A0102	KOLLU RUSHEN DRA KUMAR	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
7	22MQ5A0103	KOTTI VINAY BABU	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
8	22MQ5A0104	KSHATRI YESWANTH KISAN SINGH	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
9	22MQ5A0105	NUTHAKKI RAJA RAMA CHANDAR	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
10	22MQ5A0106	PUPPALA SIVA KUMAR	BUILDING PLANNING USING AUTOCAD	3 Months 27 days
11	23MQ5A0101	MADDALA KEERTHANA	GREEN BUILDING & SUSTAINABLE CONSTRUCTION	1 Month 15 days
12	23MQ5A0102	AREPALLI ADISESHU	GREEN BUILDING & SUSTAINABLE CONSTRUCTION	1 Month 15 days
13	23MQ5A0103	JUJJUVARAPU ROHIT BABU	GREEN BUILDING & SUSTAINABLE CONSTRUCTION	1 Month 15 days
14	23MQ5A0104	KALANGI RAGHU	GREEN BUILDING & SUSTAINABLE CONSTRUCTION	1 Month 15 days
15	23MQ5A0106	PURILLA SAI KUMAR	GREEN BUILDING & SUSTAINABLE CONSTRUCTION	1 Month 15 days







This is to Certify that Mr./Ms

Abdul Athiqur Rehman

Enrolled in the **Civil Engineering - 21MQ1A0101**

From College Sri Vasavi Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025
Organized By SkillDzire in collaboration with Andhra Pradesh State
Council of Higher Education.

Certificate ID SDLT-25-18558 Issued On 12-Apr-2025











This is to Certify that Mr./Ms

Kollu Raghava Veera Sai Anand Kumar

Enrolled in the **Civil Engineering - 21MQ1A0103**

From College Sri Vasavi Institute Of Engeenering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025 Organized By SkillDzire in collaboration with Andhra Pradesh State Council of Higher Education.

Certificate ID SDLT-25-18557 Issued On 12-Apr-2025











This is to Certify that Mr./Ms

Pinnenti Naga Prathap

Enrolled in the **Civil Engineering - 21MQ1A0104**

From College Sri Vasvai Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025
Organized By SkillDzire in collaboration with Andhra Pradesh State
Council of Higher Education.

Certificate ID SDLT-25-18542 Issued On 12-Apr-2025











This is to Certify that Mr./Ms

Busam Gunavardhan

Enrolled in the **Civil Engineering - 22MQ5A0101**

From College Sri Vasavi Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025 Organized By SkillDzire in collaboration with Andhra Pradesh State Council of Higher Education.

Certificate ID SDLT-25-18569 Issued On 12-Apr-2025











This is to Certify that Mr./Ms

Rushendra Kumar Kollu

Enrolled in the **Civil Engineering - 22MQ5A0102**

From College Sri Vasavi Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025 Organized By SkillDzire in collaboration with Andhra Pradesh State Council of Higher Education.

Certificate ID SDLT-25-18533 Issued On 12-Apr-2025











This is to Certify that Mr./Ms

Vinay Babu Kotti

Enrolled in the **Civil Engineering - 22MQ5A0103**

From College Sri Vasavi Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025
Organized By SkillDzire in collaboration with Andhra Pradesh State
Council of Higher Education.

Certificate ID SDLT-25-18554 Issued On 12-Apr-2025











This is to Certify that Mr./Ms

Kshatri Yeswanth Kisan Singh

Enrolled in the **Civil Engineering - 22MQ5A0104**

From College Sri Vasavi Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025 Organized By SkillDzire in collaboration with Andhra Pradesh State Council of Higher Education.

Certificate ID SDLT-25-18587 Issued On 12-Apr-2025











This is to Certify that Mr./Ms

Nuthakki Raja Ramachandar

Enrolled in the **Civil Engineering - 22MQ5A0105**

From College Sri Vasavi Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025 Organized By SkillDzire in collaboration with Andhra Pradesh State Council of Higher Education.

Certificate ID SDLT-25-18525 Issued On 12-Apr-2025











This	is to	Certify	that	Mr./Ms
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Puppala Siva Kumar

Enrolled in the **Civil Engineering - 22MQ5A0106**

From College Sri Vasavi Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025 Organized By SkillDzire in collaboration with Andhra Pradesh State Council of Higher Education.

Certificate ID SDLT-25-18575 Issued On 12-Apr-2025











This is to Certify that Mr./Ms

Matta Brahmam

Enrolled in the **Civil Engineering - 21MQ5A0110**

From College Sri Vasavi Institute Of Engineering And Technology

of university JNTUK, Kakinada

has Successfully Completed long-term Internship programme titled

Building planning using AutoCAD

Under SkillDzire from 16-Dec-2024 to 12-Apr-2025
Organized By SkillDzire in collaboration with Andhra Pradesh State
Council of Higher Education.

Certificate ID SDLT-25-18527 Issued On 12-Apr-2025









This is to Certify that Mr./Ms
Maddala Keerthana
Enrolled in the Civil Engineering - 23MQ5A0101
From College Sri Vasavi Engineering College
of university
has Successfully Completed short-term Internship programme titled
Green Building & Sustainable Construction
Under SkillDzire from <u>05-May-2025</u> to <u>20-June-2025</u> Organized By SkillDzire

Certificate ID: SDST-25-14558









This is to	Certify	that	Mr./Ms
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Arepalli Adiseshu

Enrolled in the <u>Civil Engineering - 23MQ5A0102</u>

From College Sri Vasavi Institute Of Engineering And Technology

has Successfully Completed short-term Internship programme titled

Green Building & Sustainable Construction

Under SkillDzire from <u>05-May-2025</u> to <u>20-Jun-2025</u> Organized By

SkillDzire

Certificate ID: SDST-25-13530









This is to Certify that Mr./Ms
Jujjuvarapu Rohit Babu
Enrolled in the Civil Engineering - 23MQ5A0103
From College Sri Vasavi Institute Of Engineering And Technology
of university
has Successfully Completed short-term Internship programme titled
Green Building & Sustainable Construction
Under SkillDzire from 05-May-2025 to 20-June-2025 Organized By SkillDzire

Certificate ID: SDST-25-15117









This is to Certify that Mr./Ms				
Kalangi Raghu				
Enrolled in the Civil Engineering - 23MQ5A0104				
From College Sri Vasavi Institute Of Engineering And Technology				
of universityJNTUK, Kakinada				
has Successfully Completed short-term Internship programme titled				
Green Building & Sustainable Construction				
Under SkillDzire from <u>05-May-2025</u> to <u>20-June-2025</u> Organized By				
SkillDzire				

Certificate ID: SDST-25-14485









This is to Certify that Mr./Ms
Purilla.Sai Kumar
Enrolled in the Civil Engineering - 23MQ5A0106
From College Sri Vasavi Institute Of Engineering And Technology
of university
has Successfully Completed short-term Internship programme titled
Green Building & Sustainable Construction
Under SkillDzire from 05-May-2025 to 20-June-2025 Organized By
SkillDzire

Certificate ID: SDST-25-15548





Tele - Fax: 08672 - 241387

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... Empowering Minds

Date: 17-03-2025

Ref:-

From
Ch Giri Phani Kumar
HOD, Civil Engineering
Sri Vasavi Institute of Engineering & Technology
Nandamuru.

To
The Executive Engineer,
Marine Division, Machilipatnam,
APMB, Andhra Pradesh.

Respected Sir,

<u>Sub</u>: Request to grant permission for the industrial visit to Port – Reg.

I Ch.Giri Phani Kumar, Head of Department, Civil Engineering Department. In View of the fulfillment of the Academic Regulations, we request the students (35 members) of Civil Department are interested for the Site visit. The purpose of this visit is to provide our students with hands-on exposure to the practical aspects of the industry and enhance their understanding of the concepts they have learned in the classroom.

We would be grateful if you could accommodate the students for a site visit to PORT, Machilipatnam under the guidance of your team. This will give the students an opportunity to observe real-world applications, interact with industry professionals, and gain valuable insights into the functioning of the site.

We propose scheduling the visit on 19-03-2025. If this is convenient, please confirm the date and any other requirements for the visit. If necessary, we are happy to adjust the date based on your availability.

We will be happy for your support in fostering the practical learning of our students and look forward to your positive response. If there are any preparations or details you need from our side, please let us know.

Details of members:

- 1. Students 35 members
- 2. Staff 6 members

Thank you for your time and consideration.

Yours Sincerely,

(CH.GIRI PHANI KUMAR)

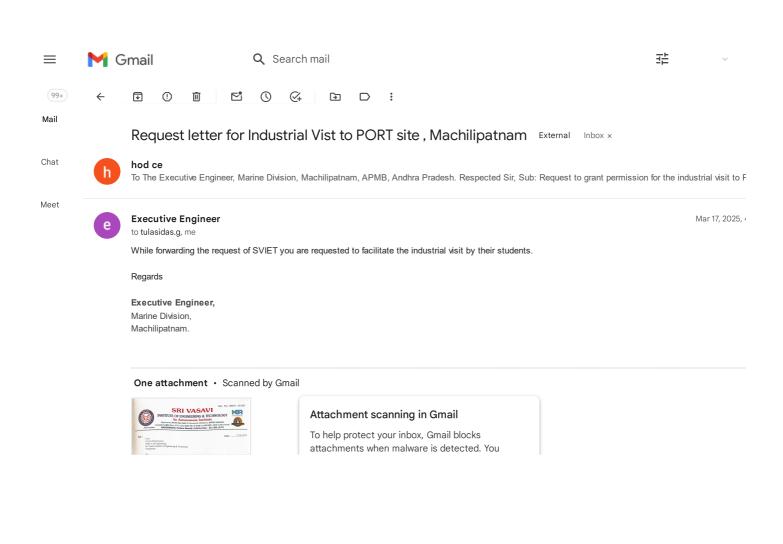
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Institute of Engineering & Tachnology

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Nandamuru, Pedana Mandal, Krishna Dist – 521369 (An Autonomous Institute)





Report of the Event

Event Name: INDUSTRIAL VISIT TO PORT CONSTRUCTION, MACHILIPATNAM

Date(s): 19-03-2025

Coordinator(s): V BALAKRISHNA, N VINAY KUMAR

Resource person(s): Mr. P. Bharadwaj, Associate Manager, Planning, MEGA

Participants: 35 Duration: 6 Hours Brief Description:

The Civil Engineering students of Sri Vasavi Institute of Engineering and Technology, Nandamuru, visited the Machilipatnam Port, which is being constructed by MEIL (Mega Engineering and Infrastructures Ltd.). Through this visit, they gained valuable insights into the breakwater (south construction, and north construction), Tetrapods, Berths, Dredging by CSD, Workshop Construction processes. As per the directions of MEIL General Manager, Mr. Tulasidas, the Associate Manager, Mr. P. Bharadwaj, provided a detailed explanation about the project. Faculty members, Mr. V. Balakrishna (Assistant Professor) and Mr. N. Vinay Kumar (Assistant Professor), accompanied the students on this industrial visit. Speaking on the occasion, Senior Civil Engineer and College Correspondent, Mr. Kaki Kumar Babu, expressed his pride in seeing the college alumni working in prestigious organizations like MEIL & RITES for the construction of such a massive port. Executive Director, Mr. Dosapati Baba, emphasized that such visits play a crucial role in enhancing students' practical knowledge.

Fee, if any: Not Applicable

Budget/Expense: Not Applicable





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Nandamuru, Pedana Mandal, Krishna Dist – 521 369

Department of Civil Engineering

Attendance sheet for Industrial (Port, Machilipatnam) Visit

Date: 19/03/2025

Sl.No	Roll.No	Student Name	Signature
1	23MQ1A0101	BADIGA V J S K VAMSI	B. VJSK Vamsi
2	23MQ1A0103	SAYYAD NAZEERUN	S. Nazeerun
3	24MQ5A0101	ATMURI PRIYANKA	A. Priyanka
4	24MQ5A0102	BHASHA UMA LAKSHMI NARAYANA	B. U L Navayana
5	24MQ5A0103	CHELLI SRAVANI	C. Snavare
6	24MQ5A0104	CHIGURUPALLI SUPRIYA	C. supriyer
7	24MQ5A0105	DASARI BHANU	D. Bhany
8	24MQ5A0106	DUMPALA DEVI PRASAD	D. Devi boased
9	24MQ5A0107	KAGITHA KEERTHI SREE	V. Keerthi Snee
10	24MQ5A0108	KATE SUDEEPTHI	K. Sudeepthi
11	24MQ5A0109	KETHANA PHANI VINAYAK	r-phani unok
12	24MQ5A0110	LANKA BHAGYA LAKSHMI	L. Bhagya Lalexhmi
13	24MQ5A0111	MANOHAR PETA	Manahan pota
14	24MQ5A0112	MOHAMMAD RASHEED	M. Rashold
15	24MQ5A0113	MUKKU JAGADEESH	Migagodose
16	24MQ5A0114	PADAMATA AJAY	Aioy
17	24MQ5A0115	PAMARTHI DIVYA	P. Drya
18	24MQ5A0116	PAMARTHI HARENDRA	P. Havendra
19	24MQ5A0117 .	PAMARTHI RAMA SUBRAHMANYAM	P. D. Subrahmanyam
20	24MQ5A0118	PAMIREDDY DIVIJA	p. Divija
21	24MQ5A0119	PERAM ANAND KUMAR	P. Arand Chuman
22	24MQ5A0120	TALARI RAGHU RAM	T. Raghu Ram
23	24MQ5A0121	THOTA ANAND	T. ANANO
24	24MQ5A0122	VANJARAPU CHANDU SAI	v. C. Sal
25	24MQ5A0123	YEDDU ABHINANDH	y. Ashimandh
26	23MQ5A0101	MADDALA KEERTHANA	M. Keesthana
27	23MQ5A0102	AREPALLI ADISESHU	A. Adisesher
28	23MQ5A0103	JUJJUVARAPU ROHIT BABU	J. Robit Baby
29	23MQ5A0104	KALANGI RAGHU	K. Raghu
30	23MQ5A0106	PURILLA SAI KUMAR	P.S. Kumar
31	21MQ1A0101	ABDUL ATHIQUR REHMAN	A. A. Reliman
32	21MQ1A0103	KOLLU R V SAI ANAND KUMAR	K.S. Anand Kumar
33	21MQ1A0104	PINNINTI NAGA PRATHAP	P. Noga Prothap
34	22MQ5A0104	KSHATRI YESWANTH KISAN SINGH	K. Yeswanth Kisan signah
35	21MQ5A0110	MATTA. BRAHMAM	m Brahman





పార్బును పలశీలించిన విద్యార్థులు

పెదశాగ్రామీణం, స్యూన్టుడే: పోర్వ నిర్మాజంతో విద్యార్థులకు ఆపార అవ కాశాలు రానున్నాయని మేఘా ఇంజినీరింగ్ సంస్థ జనరల్ మేనేజర్ తులసీ దాస్ తెలిపారు. మచిలీపట్నంలో నిర్మాణంలో ఉన్న పోర్వను పెడన మండలం నందమూరు వాసవీ ఇంజినీరింగ్ సీవిల్ విభాగ విద్యార్థులు బుధవారం క్షేత పర్యటన చేసి అక్కడ జరుగుతున్న పనుల్ని పరిశీలించారు. బెర్తుల నిర్మాణం, పోర్వలో ఉత్తర, దక్షిణ ప్రాంతాల్లో నిర్మాణంలో ఉన్న జోక్ వాటర్ విభాగాల గురించి ఆయన వివరించారు. కార్యక్రమంలో కళాశాల అచార్యులు వి.బాల కృష్ణ, సహాయ అచార్యులు ఎన్.వినయ్ కుమార్, కరస్పాండెంట్ కాకి కుమా ర్బాబు తదితరులు పాల్గొన్నారు.