



# Lingayas Institute of Management and Technology

(Approved by A I C T E - New Delhi & Affiliated to J N T University Kakinada)  
Madalavarigudem, Vijayawada.

## Industrial Training/ Plant visit

In view of the industrial visit, the ECE department (71 students from II/III/IV years and 3 faculty members) of Lingayas Institute of Management and Technology, Vijayawada, has visited **Dr Narla Tata Rao Thermal Power Station (Dr NTTPS)** at Ibrahimpatnam, Vijayawada on 17.09.2022. Figure 1 shows the students along with the hierarchy at the beginning of the visit.



Figure 1. Students and faculty involved in the

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Nuzvid Road, Vijayawada

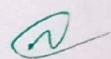


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Madalavarigudem, Vijayawada.

All the students are given a plant training on how the thermal power station will work, sensors and various stages in details by APGENCO training institute in the NTPS. Figure 2 shows the students and the faculty taking demonstration on the power station at APGENCO.



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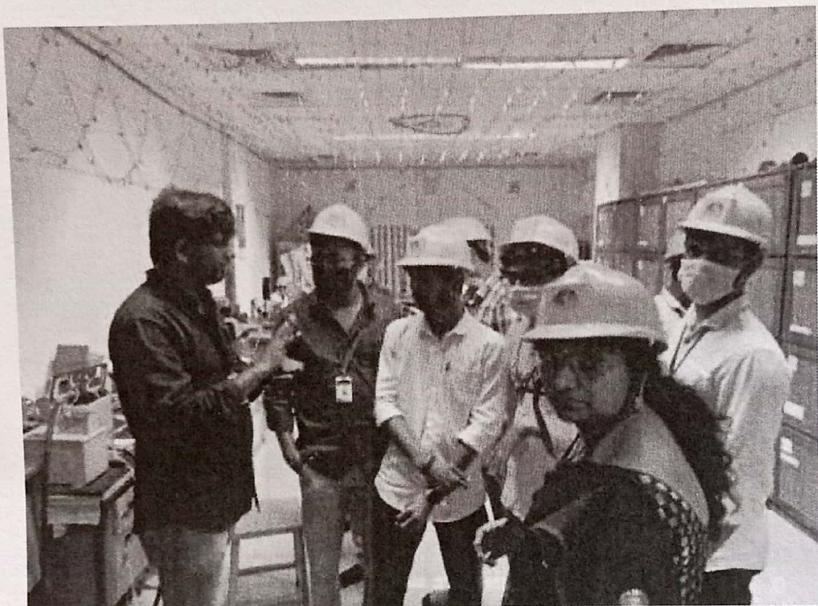
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Madalavarigudem, Vijayawada.



The students have interacted with site engineer and their queries have been clarified with appropriate explanation by the site engineer.



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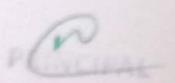
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The students have been permitted to visit the plant.



Overall, the students have been provided with a chance to understand practically the different phases that involve in the power plant.

The company officials has provided very nice and necessary arrangements to make the trip successful and the management has been conveyed with heartfelt thanks.

  
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## Industrial/Construction site visit

In view of the industrial/construction site visit, the Civil engineering department (47 students from II/III/IV years and 3 faculty members) of Lingayas Institute of Management and Technology, Vijayawada, has visited a construction site at Sree Sai Balaji Constructions, Flat No: 201, Nakshtra Paradise, Kamineni Nagar, Tadepally, Gunturon 03.11.2021 Figure 1 shows the students along with the hierarchy at the beginning of the visit.



Figure 1. Students and faculty involved in the site visit

The site has two five storey buildings in function and three currently in construction phase. The site engineer (Mr Prasad garu) has explained the different phases involved in the site with the aid of a site plan as shown in Figure 2. The students have interacted with site engineer and their queries have been clarified with appropriate explanation by the site engineer.

  
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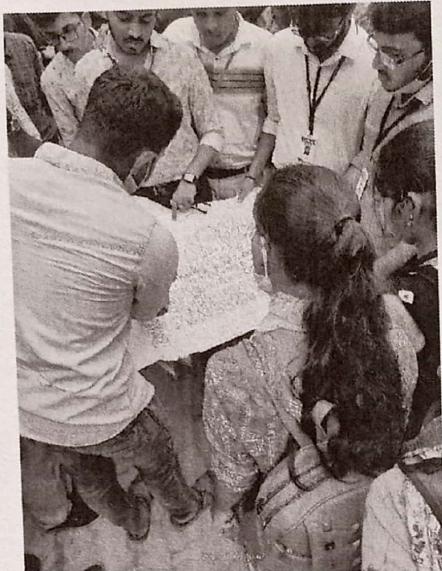


Figure 2. Site engineer explaining about the different phases of the construction

The students have been permitted to visit the apartment that is in construction phase as shown in Figure 3. Columns, beams and slabs of the apartment in construction phase were clearly explained by Professor Irfan garu and Professor Sowmya garu. Earthen bricks, flyash bricks, etc. are seen being used for the construction along with different materials.

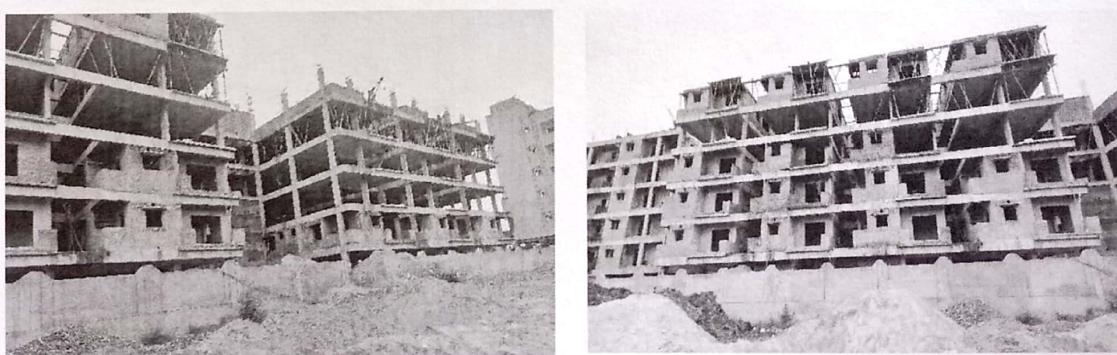


Figure 3. Apartments in construction site

  
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Madalavarigudem, Vijayawada.

GAYA'S  
C O U P  
use to know

The apartments in function have been facilitated with nice red, grey cement zig zag paver blocks for transportation facility. The apartments have been facilitated with two pipe house plumbing system. The drainage of the apartment is facilitated with nahani trap, anti siphonage pipe, etc. Separate pipe line has been provided to divert the rain water into the drainage system. The apartments are also provided with green belt cover alongside the borders. Tot-Pot (garden like arrangement) facility is also provided in between the open space of the two apartments in function to facilitate recreation to the children residing in the apartments.

The construction site is facilitated with a 150 kilo litres per day (KLD) sewage treatment plant (STP). The STP is facilitated with an anaerobic hybrid moving bed biofilm reactor (MBBR). Microfiber MBBR Media is used in the reactor system as shown in the Figure 4. The media is purchased from Sree Tech Enviro products Pvt. Ltd, Hyderabad as per the information provided by the STP supervisor. The working principle of the STP is explained to all the students and doubts were clarified on the same.

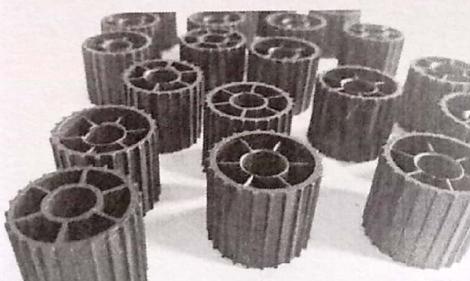
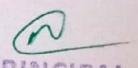


Figure 4. Microfiber MBBR Media (mbbr-media-19319753912.html)

Overall, the students have been provided with a chance to understand practically the different phases that involve in a construction site.

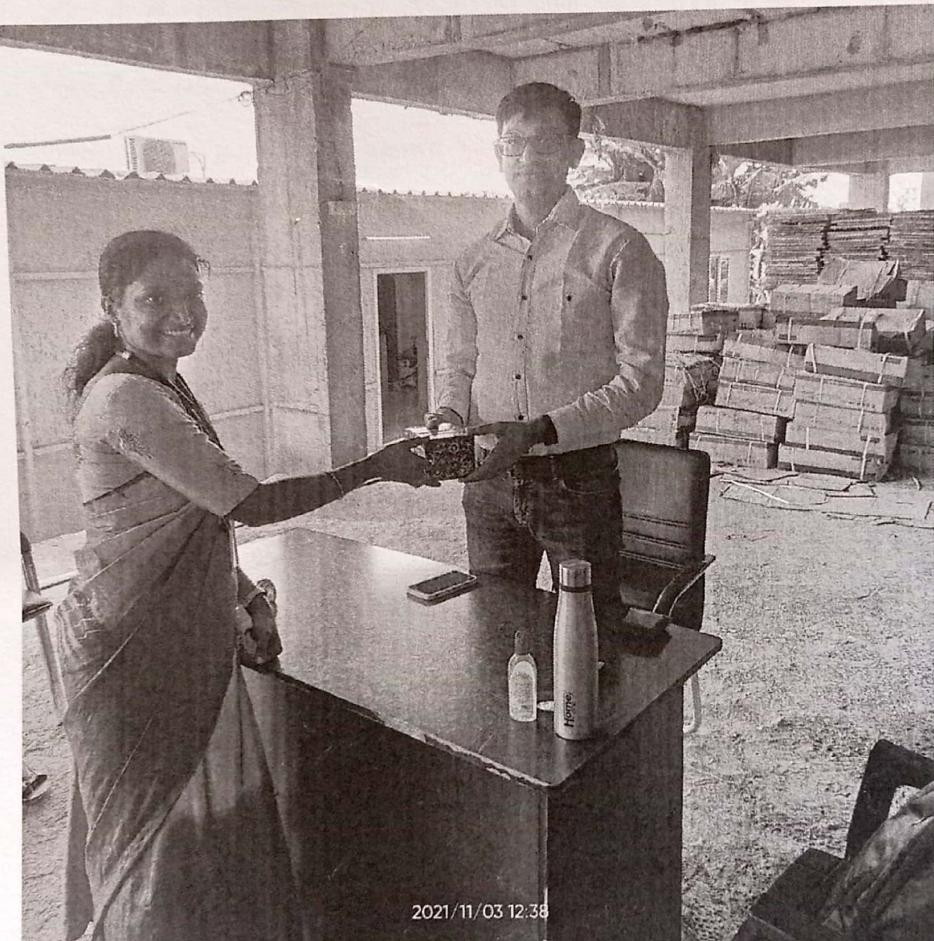
  
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The construction management has provided very nice and necessary arrangements to make the trip successful and the management has been conveyed with heartfelt thanks.



  
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Madalavarigudem, Vijayawada.

## Industrial visit

In view of the industrial/construction site visit, the Mech/ EEE engineering department (60 students from II/III/IV years and 3 faculty members) of Lingayas Institute of Management and Technology, Vijayawada, has visited a construction site at Kushalava industry at Advinekkalam ,Krishna Dist on 23.04.2022 Figure 1 shows the students along with the hierarchy at the beginning of the visit.

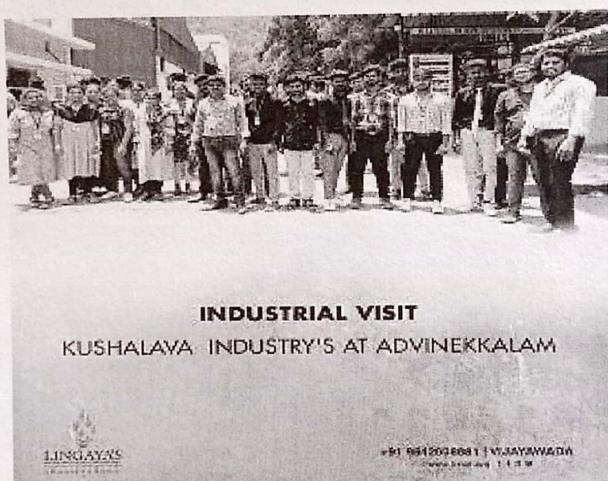


Figure 1. Students and faculty involved in the site visit

  
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Figure2 Site visit photos

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## Industrial visit

In view of the industrial/construction site visit, the Mech/ EEE engineering department (60 students from II/III/IV years and 3 faculty members) of Lingayas Institute of Management and Technology, Vijayawada, has visited a construction site at GS ALLOYS at Surampally ,Krishna Dist on 23.04.2022 Figure 1 shows the students along with the hierarchy at the beginning of the visit.



Figure 1. Students and faculty involved in the site visit

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Figure 2. Students and faculty involved in the site visit

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Nuzvid Road, Vijayawada



# Certificate of Internship

This is to certify that

**Anuk Regmi**

has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

The Intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the BIScheduler project and tasks successfully on time.



May 2022

A handwritten signature in black ink, appearing to read 'Sreedhar Tavarthi'.

A handwritten signature in green ink, appearing to read 'R' (likely initials for 'Rajesh') or 'PRINCIPAL'.

Lingayas Institute of Management & Technology  
Vivek Nagar, MADALAVARIGUDEM-521 712  
Nuzvid, Guntur, Andhra Pradesh, India

T: Sridhar

Sridhar Tirumala

# Certificate of Internship

This is to certify that

**Bhuvana Srikakolli**

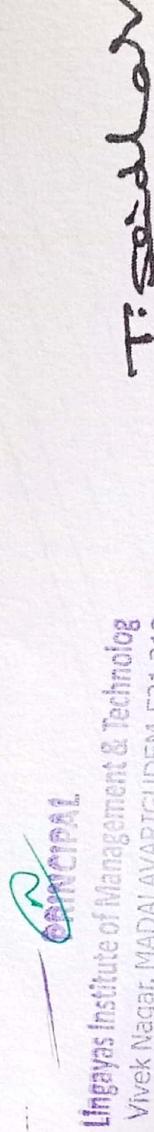
has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

The Intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the BIScheduler project and tasks successfully on time.



May 2022

  
T. Sreedhar  
Sreedhar Tirumala

  
PRINCIPAL  
Lingayat Institute of Management & Technology  
Vivek Nagar, MADALAVARIGUDEM-521 212  
Nuzvid Road, Vijayawada Rural

  
Sreedhar Tirumala



# Certificate of Internship

This is to certify that

**Chimala Vanaja**

has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

The Intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the BIScheduler project and tasks successfully on time.



May 2022

A handwritten signature in black ink, appearing to read 'Sreedhar Tativarthi'.

A handwritten signature in black ink, appearing to read 'Sridhar Tirumala'.

Sridhar Tirumala

The logo for Lingya's Institute of Management & Technology, featuring a green circular emblem with a stylized 'L' and 'M' intertwined, followed by the text 'PRINCIPAL' and 'Lingya's Institute of Management & Technology'.

Vivek Nagar, MADALAVARIGUDEM-521 212  
National Highway 5, NH 5, Andhra Pradesh, India



# Certificate of Internship

This is to certify that

Ganesh Edubilli

has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

The Intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the Bischeduler project and tasks successfully on time.

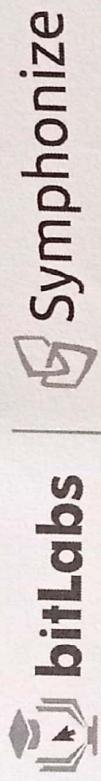


May 2022

Sreedhar Tatiavarthi

Principal  
Vivek Nagar Management  
Nurs. Nagar, Mysuru

T. S. Sudarvan



# Certificate of Internship

This is to certify that

Kurapati Chandresh Bhuvana Sai  
has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

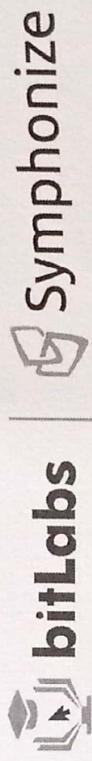
The Intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the BiScheduler project and tasks successfully on time.



May 2022

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A handwritten signature in black ink.



# Certificate of Internship

This is to certify that

Kurapati Tarun Chowdary

has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

The intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the BIScheduler project and tasks successfully on time.



May 2022

Sreedhar Tattavarthi

T. Sridhar

Sridhar Tirumala

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Nizvid Road, Vilaswanda Durgal



# Certificate of Internship

This is to certify that

Manne Vineela

has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

The Intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the BiScheduler project and tasks successfully on time.



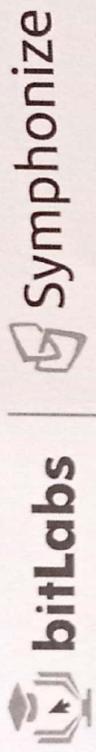
May 2022

A handwritten signature in black ink, appearing to read 'Sridhar Tirumala'.

A handwritten signature in green ink, appearing to read 'Principal'.

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Sridhar Tirumala



# Certificate of Internship

This is to certify that

**Mohana Krishna Amulya**

has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

The Intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the BiScheduler project and tasks successfully on time.



May 2022

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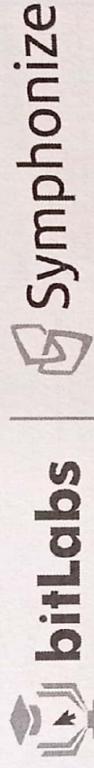
Sreedhar Tatavarthi

A handwritten signature in black ink.

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Mizvid Road, Vijayawada Rural

Sridhar Tirumala

A handwritten signature in black ink.



# Certificate of Internship

This is to certify that

**Mounika Sanapathi**

has successfully completed internship for 150hrs as

**Associate Java Developer Intern**

The Intern has demonstrated coding skills with a self-motivated attitude to learn new things. The performance exceeds expectations and was able to complete the BiScheduler project and tasks successfully on time.



May 2022

A handwritten signature in black ink, appearing to read "Sreedhar Tirumala".

Priyadarshini

Lingayat Institute of Management & Technology  
Vivek Nagar, MADALAVIGUDEM-521 212  
Nuzvid Road, Vijayawada Rural

Sreedhar Tirumala

A handwritten signature in black ink, appearing to read "T. Sreedhar".

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY, VIJAYAWADA  
STUDENTS ATTENDANCE REPORT

S no:	Name	Gen der	Phone No:	Email Id	Roll no:	6/4/2022	7/4/2022	8/4/2022	18/04/22	19/4/2022
1	Yagateela Mamatha	F	9740489023	Mamthaywagateela18@gmail.com	18NA1A0403	y	y	y	y	y
2	Ponnaganti Gowtham	M	8639615931	gowithamp432@gmail.com	18NA1A0404	y	y	y	y	y
3	Dondapati Ramesh	M	6300518642	rameshdondapati537@gmail.com	18NA1A0408	y	y	y	y	y
4	Muthakani Pujitha	F	9381962615	poolithamuthakala@gmail.com	18NA1A0417	y	y	y	y	y
5	Anuk Regmi	M	9347911593	anukregmi999@gmail.com	18NA1A0430	y	y	y	y	y
6	Kurapati Tarun Chowdary	M	9381496577	ktarunchowdary123@gmail.com	18NA1A0433	y	y	y	y	y
7	Konda Sai Venkat	M	6304645559	kondasaivenkat341@gmail.com	18NA1A0452	y	y	y	y	y
8	S. Vijaybabu	M	7569330422	vijaybabu2244@gmail.com	18NA1A0458	y	y	y	y	y
9	Pathuri Raja Vamsi	M	9347474812	rajavamsipadathuri999@gmail.com	19NA5A0406	y	y	y	y	y
10	S Guru Manideep Chowdary	M	8187098169	manideepsurapaneni@gmail.com	18NA1A0508	y	y	y	y	y
11	Pandraka. Sahana	F	6281923096	haana.rinoy@gmail.com	18NA1A0519	y	y	y	y	y
12	Ganesh edubilli	M	9381777897	eganesh018@gmail.com	18NA1A0521	y	y	y	y	y
13	Kodali Sandeep	M	8790729627	sandeepkodali16@gmail.com	18NA1A0525	y	y	y	y	y
14	Nandyala Leela Ramya	F	7013290836	leelaramyanandyala@gmail.com	18NA1A0419	y	y	y	y	y
15	Sammeta Keerthi	F	6305028825	kirthisammeta@gmail.com	18NA1A0405	y	y	y	y	y
16	Ch Vanaja	F	6303543139	chvanaia840@gmail.com	18NA1A0505	y	y	y	y	y
17	Suvarna Babu	M	7036624129	suvarnababu.i@gmail.com	18NA1A0510	y	y	y	y	y
18	Kurapati Chandresh	F	9118316666	chandreshchandu112@gmail.com	18NA1A0420	y	y	y	y	y
19	Bhuvana Sai	F								
20	Bala Satya Phani Kumar Vankayala	M	9542094104	v.phaniikumar555@gmail.com	Vignan University	y	y	y	y	y
21	Manikanta Lokesh Devisetti	M	7013840036	manikantadevesetti5@gmail.com	Non Lingaya's	y	y	y	requested	requested
	Dhana Lakshmi Tadisetti	F	8309975552	dhanalakshmimudraboyina@gmail.com	Nova College of Engineering and Technologies	y	y	y	y	y

  
PRINCIPAL  
A. S. M. COLLEGE OF MANAGEMENT & TECHNOLOGY

22	Dinesh Bandi	8143569409	<a href="mailto:bandidinesh1512@gmail.com">bandidinesh1512@gmail.com</a>	Dhanakula Institute of Engineering and technologies	y	y	y	y	requested
23	Sura Srinu	9398669661	<a href="mailto:surasrinu999@gmail.com">surasrinu999@gmail.com</a>	NA	y	y	y	y	y
24	Mounika Sanapathi	9182337594	<a href="mailto:sanapathimounika330@gmail.com">sanapathimounika330@gmail.com</a>	NA	y	y	y	y	y
25	Mahesh Kollusu	9177653053	<a href="mailto:maheshkollusu.97@gmail.com">maheshkollusu.97@gmail.com</a>	NA	y	y	y	y	y
26	Poorna sai Ramisetti	77309228304	<a href="mailto:ramisettsipoornasai@gmail.com">ramisettsipoornasai@gmail.com</a>	NA	y	y	y	y	y
27	Bhuvana Srikanthi	8179974464	<a href="mailto:bhuwanastrikakolli2000@gmail.com">bhuwanastrikakolli2000@gmail.com</a>	NA	y	y	y	y	y
28	Mohana krishna Amulya	6281357776	<a href="mailto:mohanakrishnaamulya@gmail.com">mohanakrishnaamulya@gmail.com</a>	NA	y	y	y	y	requested
29	Pavani Mareedu	8179956868	<a href="mailto:pavani.mareedu121@gmail.com">pavani.mareedu121@gmail.com</a>	NA	y	y	y	y	y
30	Santha Rao	9505567373	<a href="mailto:santhara06001@gmail.com">santhara06001@gmail.com</a>	SVC Engineering and technologies	y	y	y	y	y
31	Merugu Dharmra Raju	7093019046	<a href="mailto:dharmaiaumerugu1729@gmail.com">dharmaiaumerugu1729@gmail.com</a>	GMR Institute of technology	y	n	n	y	y
32	Phani Chowdary Kondapaneni			<a href="mailto:phanichowdary.kondapaneni@gmail.com">phanichowdary.kondapaneni@gmail.com</a>	n	n	n	y	y
33	Manne Vineela	7075713724	<a href="mailto:vineelamanne52@gmail.com">vineelamanne52@gmail.com</a>	Lingayas intitute of management and technology	n	n	n	y	y

# LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY

Madalavarigudem, Nunna, Vijayawada-521 212. (Krishna District) [A.P.]



## CERTIFICATE

This is to Certify that the project report entitled ""SMART LOCKING SYSTEM FOR HOME USING RASPBERRY PI"" is the bonafide work carried out by "N. SILPA, P. RAJA VAMSI and S. BHUVANESWARI" bearing roll numbers 18NA1A0401, 19NA5A0406 and 18NA1A0455 respectively in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering submitted to the Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada, Andhra Pradesh during the academic year 2021 – 2022

Project Supervisor  
**B. VENKATESWARA RAO M.TECH**

**EXTERNAL EXAMINER**

Head of the Department  
**Dr.B.SATYANARAYANA**  
Head of the Department,  
Electronics and Communication Engineering,  
Lingaya's Institute of Management and Technology,  
Madalavarigudem, VIJAYAWADA-521

Principal  
Lingaya's Institute of Management & Tech  
Vivek Nagar, MADALAVARIGUDEM-521  
Nuzvid Road, Vijayawada Rural

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY

**Department of  
ELECTRONICS & COMMUNICATION ENGINEERING**



**CERTIFICATE**

This is to certify that the project report entitled IOT Based Smart Aquaculture Monitoring System that is being submitted by Y. Mamatha (18NA1A0403), S. Vijay Babu (18NA1A0458), P.M.K. Amulya (18NA1A0456), T. Sai Venkat (18NA1A0438), K. Kamaleswari (18NA1A0468) in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering to the Jawaharlal Nehru Technological University Kakinada, is a record of bonafide work carried out by them under my guidance and supervision. 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.

  
Dr. B. Satyanarayana

  
Dr. B. Satyanarayana

**Project Guide**

**Head of department**

Head of the Department  
Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Madaravrigudem, VIJAYAWADA - 523

  
External Examiner

  
PRINCIPAL  
Lingaya's Institute of Management & Technology  
Vivek Nagar, MADALARIGUDEM-521 212  
Nuzvid Road, Vijayawada Rural

LINGAYAS INSTITUTE OF MANAGEMENT AND  
TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING



**CERTIFICATE**

This is to certify that the project entitled "A PROTOTYPE OF OBJECT TRACKING ROBOT USING IMAGE PROCESSING" is a bonafide record of the work done jointly by K. KUMARA RAGHU RAM SAI (18NA1A0411), P. GOWTHAM (18NA1A0404), G. ROJA RAMANI (18NA1A0414), G. RAHUL KUMAR (19NA5A0405), G. ANAND GOWRIKALYAN

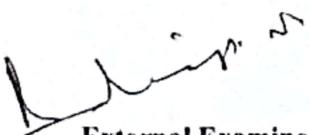
(18NA1A0437) under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

N. Ramapriya  
Mrs. N. RAMAPRIYA  
Project Guide

  
**Dr. B. SATYANARAYANA**

Head of the Department

Head of the Department:  
Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Madaravariquudem, VIJAYAWADA-521 212

  
**External Examiner**

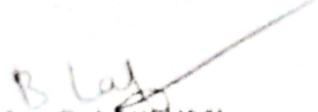
  
**PRINCIPAL**  
Lingaya's Institute of Management & Technology  
Vivek Nagar, MADALAVARIQUDEM-521 212  
Nuzvid Road, Vijayawada Rural

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

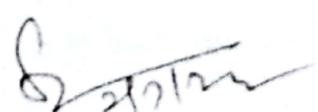


CERTIFICATE

This is to certify that the project entitled "DESIGN AND IMPLEMENTATION OF 4 - BIT FLASH ADC" is a bonafide record of the work done jointly by S. KEERTHI (18NATA0405), K. DHANAGARAM (18NATA0415), D. UDAY (18NATA0445), V. KAMAL (18NATA0444) under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

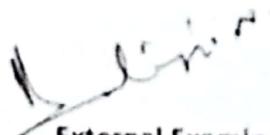
  
Mrs. B. LAKSHMI

Project Guide

  
Dr. B. SATYANARAYANA

Head of the Department

Head of the Department:  
Electronics and Communication Engg.  
Lingaya's Institute of Management and Technology  
MADALAVARIGUDEM, VIJAYAWADA  
Andhra Pradesh, INDIA

  
External Examiner

  
Lingaya's Institute of Management & Technology  
Vivek Nagar, MADALAVARIGUDEM-521 212  
Nuzvid Road, Vijayawada Rural

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

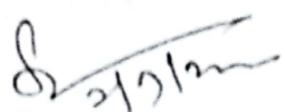


CERTIFICATE

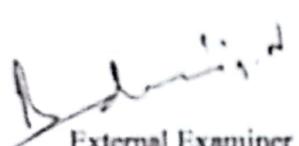
This is to certify that the project entitled "AN EFFICIENT VLSI ARCHITECTURE FOR DATA ANALYSIS OF ECG SIGNALS" is a bonafide record of the work done jointly by D. RAMESH(18NA1A0408), M. VINEELA(18NA1A0429), S. RAGASUDHA (18NA1A0424) under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.



Mr. D. SANTHI PRIYA  
Project Guide



Dr. B. SATYANARAYANA  
Head of the department  
Head of the Department,  
Electronics and Communication Engineering,  
Lingaya's Institute of Management and Technology  
Madarasrigudem, VIJAYAWADA-52  
A.P.



External Examiner



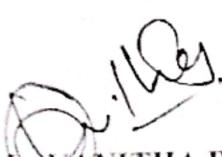
PRINCIPAL  
Lingaya's Institute of Management & Tech  
Vivek Nagar, MADALAVARIGUDEM-H  
Nuzvid Road, Vijayawada Ru

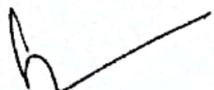
LINGAYA'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



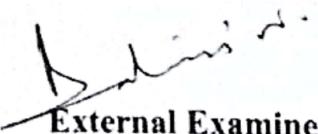
## CERTIFICATE

This is to certify that the project entitled "SMART ENERGY METER WITH LOAD MONITORING SYSTEM USING IOT TECHNOLOGY" is a bonafide record of the work done jointly by T. VENKATA SAI KUMARI (18NA1A0410), ANOKA REGMI (18NA1A0430), J. LAKSHMI LAVANAYA (18NA1A0428), L. DINESH (18NA1A0449) under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by Jawaharlal Nehru Technology University, Andhra Pradesh during the academic year 2021-2022.

  
MANITHA RANI  
Project Supervisor

  
Dr. B. SATYANARAYANA  
Head of the Department

Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Madaravrigudem, VIJAYAWADA-521

  
External Examiner

  
PRINCIPAL  
Lingaya's Institute of Management & Technology  
Vivek Nagar, MADALAVARIGUDEM-5  
Nuzvid Road, Vijayawada, Andhra Pradesh

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**CERTIFICATE**

This is to certify that the project entitled "AN EFFICIENT SMART WASTE MANAGEMENT SYSTEM FOR IoT APPLICATIONS" is a bonafide record of the work done jointly by G.CHANDRIKA(18NA1A0412), K.TARUNCHOWDARY(18NA1A0433), R.POORNASAI(18NA1A0423), SK.EZAZ(18NA1A0463) under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

*B. Venkateswara Rao*  
Mr. B. VENKATESWARA RAO  
Project Guide

*B. Satyanarayana*  
Dr. B. SATYANARAYANA

Head of the department

Head of the Department:

Electronics and Communication Engineering  
Lingayas Institute of Management and Technology  
Madaravidiudem, VIJAYAWADA-521

*V. Selvam*  
External Examiner

*P. Chaitanya*  
Lingayas Institute of Management & Tech  
Vivek Nagar, MADALAVARIKUDIEM  
Nuzvid Road, Vijayawada Ru

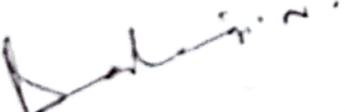
LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
Madalavariigudem, Nunna, Vijayawada-521 212. (Krishna District) [A.P.]



CERTIFICATE

This is to Certify that the project report entitled "SMART AND INTELLIGENT MOTORCYCLE" is the bonafide work carried out by "G.B.NARENDRA MADHAN , P.NAGA SUJITH , S.N.S.PURNA BALAJI" bearing 18NA1A0413 , 18NA1A0451 , 18NA1A0443 in partial fulfilment for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering submitted to the Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada, Andhra Pradesh during the academic year 2021 – 2022.

N. Rama Priya  
Prof. N. RAMA PRIYA  
Project Guide

  
EXTERNAL EXAMINER

  
Dr. B. SATYANARAYANA  
Head of the Department

HEAD OF DEPARTMENT  
Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Madalavariigudem, VIJAYAWADA-52

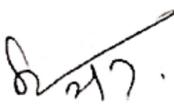
  
PRINCIPAL  
Lingaya's Institute of Management & Tech  
Vivek Nagar, MADALAVARIIGUDEM-52  
Nuzvid Road, Vijayawada Rural

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

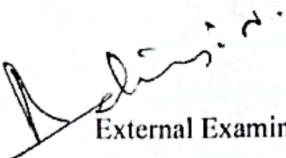
This is to certify that the project entitled "MULTI OBJECT SORTING SYSTEM BASED ON COMPUTER" is a bonafide record of the work done jointly by G. ROHINI LAKSHMI, T. PRIYANKA, G. VENKATESH, M.K.S.S.S MAHESWAR, 18NA1A0416, 18NA1A0459, 18NA1A0447, 18NA1A0435 under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

  
Dr. B. SATYANARAYANA  
Project Guide

  
Dr. B. SATYANARAYANA

Head of the department

Head of the Department  
Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Madaravidiudem, VIJAYAWADA-521

  
External Examiner

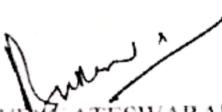
  
Principal  
Lingaya's Institute of Management & Technology  
Vivek Nagar, MADALAVARIGUDEM-521  
Nuzvid Road, Vijayawada Rural

LINGAYA'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

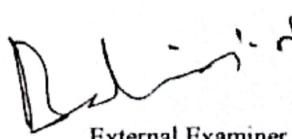


CERTIFICATE

This is to Certify that the project report entitled "WIRELESS ELECTRONIC NOTICE BOARD USING GSM MODULE" is the bonafide work carried out CH. SUVARNA DURGA (18NALA0421), P. RISHITHAREDDY (18NALA0407), V. PREMSATHYA (18NALA0439), A. GAYATHRI (18NALA0461) in partial fulfillment for the award of the Degree of **Bachelor of Technology in Electronics And Communication Engineering** submitted to the Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022

  
Mr. B. VENKATESWARARAO RAO  
Project Guide

  
Dr. B. SATYANARAYANA  
Head of the department  
Head of the Department;  
Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Madaravariqudem, VIJAYAWADA-521

  
External Examiner

  
PRINCIPAL  
Lingaya's Institute of Management & Tech  
Vivek Nagar, MADALAVARIQUDEM-5  
Nuzvid Road, Vijayawada 520

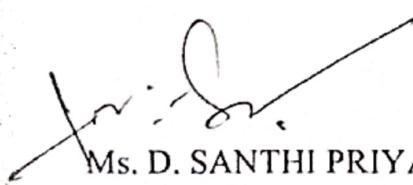
LINGAYA'S INSTITUTE OF MANAGEMENT AND  
TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project entitled "ELECTRONIC VOTING SYSTEM USING RASPBERRY PI" is being submitted by B. DURGHARAO (18NA1A0422), G. DIVYA SRI (18NA1A0402), SD. MASTAN BASHA (18NA1A0462), P.RAMYA SRI (18NA1A0425) under my guidance and supervision is submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by JNTU Kakinada, Andhra Pradesh during the academic year 2021-2022



Ms. D. SANTHI PRIYA

**PROJECT GUIDE**



DR. B. SATYANARAYANA

**HEAD OF THE DEPARTMENT**

Head of the Department:  
Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Maddalavajudem, VIJAYAWADA-521 212



External Examiner

Lingaya's Institute of Management & Technology  
Vivek Nagar, MADALAVAJUDEM-521 212  
Nuzvid Road, Vijayawada Rural



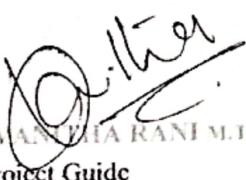
PRINCIPAL

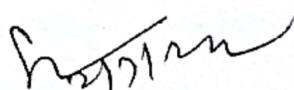
## **Department of Electronics and Communication Engineering**

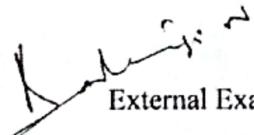


### **CERTIFICATE**

This is to certify that the project entitled "**A NEW FULLY PARALLEL VLSI-ARCHITECTURE OF QUASI CYCLIC ENCODER&DECODER FOR 5G NEW RADIO**"  
A. RAMYA SREE (18NA1A0426), K. SAI VENKAT (18NA1A0452), D. PADMA PRIYA  
(18NA1A018), P. BHANU PRAKASH (19NA5A0407), T. KRANTHI KUMAR  
(18NA1A0440)" is a bonafide record of the work done jointly by under my guidance and  
supervision is submitted in partial fulfillment of the requirements for the award of the degree of  
**Bachelor of Technology in Electronics and Communication Engineering** by Jawaharlal  
Nehru Technological University Kakinada, Andhra Pradesh during the academic year  
2021-2022.

  
MS. R.VANITHA RANI M.Tech  
Project Guide

  
Dr. B. SATYANARAYANA  
Head of the department  
Head of the Department,  
Electronics and Communication Engineering,  
Lingaya's Institute of Management and Technology,  
Madalavariqudem, VIJAYAWADA-521

  
External Examiner

  
PRINCIPAL  
Lingaya's Institute of Management and Technology  
Vivek Nagar, MADALAVARI  
Nuzvid Road, Vijayawada

**LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY**

(Approved by AICTE – New Delhi & Affiliated To JNTU Kakinada)

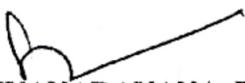
Viveka Nagar, Madalavarigudem via. Nunna, Vijayawada.

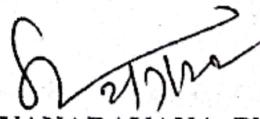
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

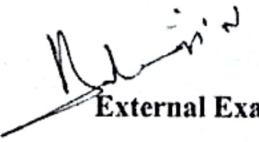


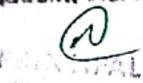
**CERTIFICATE**

This is to certify that the project entitled "**ADVANCED GAS LEAKAGE DETECTION SYSTEM USING IOT**" is a bonafide record of the work done jointly by **P. PRIYA TEJASWINI (18NA1A0431), N. LEELA RAMYA (18NA1A0419), Y. CHAITANYA (18NA1A0409), P. PAVAN KUMAR (18NA1A0427)** under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

  
**Dr. B. SATYANARAYANA, Ph.D.**  
Project Guide

  
**Dr. B. SATYANARAYANA, Ph.D.**  
Head of the Department  
Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Madalavarigudem, VIJAYAWADA-521

  
**External Examiner**

  
Lingaya's Institute of Management & Technology  
Vivek Nagar, MADALAVARIGUDEM-521 212  
Nuzvid Road, Vijayawada Rural

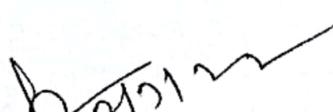
**LINGAYAS INSTITUTE OF MANAGEMENT AND  
TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

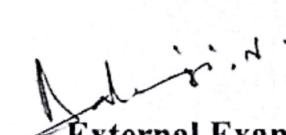


**CERTIFICATE**

This is to certify that the project report entitled "AIR QUALITY MONITORING & CONTROLLING SYSTEM" that is being submitted by S. Harshavardhan (18NA1A0432), M. Pujitha (18NA1A0417), K. Chandresh (18NA1A0420), K. Narmada (18NA1A0448) under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

V. Devasahayam  
Project Guide  
Mr. V. DEVASAHAYAM

  
Head of the Department  
Dr. BABA SRIVANARAYANA  
Electronics and Communication Engineering  
Lingayas Institute of Management and Technology  
Maddalavajigudem, VIJAYAWADA - 521 212

  
External Examiner

  
PRINCIPAL  
Lingayas Institute of Management & Technology  
Vivek Nagar, MADALAVAJIGUDEM - 521 212  
Nuzvid Road, Vijayawada Rural

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
Madalavariudem, Nunna, Vijayawada-521 212. (Krishna District) [A.P.]



**CERTIFICATE**

This is to Certify that the project report entitled "**IOT BASED PATIENT HEALTH MONITERING SYSTEM**" is the bonafide work carried out by "**V.RAJU , B.PRAMUKHYA , S.RAJYA LAKSHMI, CH.ABHISHEK**" bearing **18NA1A0434 , 18NA1A0446 , 18NA1A0453 , 18NA1A0454** in partial fulfilment for the award of the Degree of **Bachelor of Technology** in **Electronics and Communication Engineering** submitted to the Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada, Andhra Pradesh during the academic year 2021 – 2022.

*V. Devasahayam*

**Prof.V.DEVASAHAYAM**  
Project Guide

*[Signature]*

**Dr.B.SATYANARAYANA**

Head of the Department  
Head of the Department:  
Electronics and Communication Engineering  
Lingayas Institute of Management and Technology  
Madalavariudem, VIJAYAWADA-521

**EXTERNAL EXAMINER**

*[Signature]*

*[Signature]*  
**PRINCIPAL**

Lingayas Institute of Management & Technology  
Vivek Nagar, MADALAVARIUDEM, VIJAYAWADA-521 212  
Nuzvid Road, Nuzvid, Krishna, A.P - 521 212

**LINGAYA'S INSTITUTE OF MANAGEMENT AND  
TECHNOLOGY**

Madalavariogudem, Nuzvid, Vijayawada-521 212, (Krishna District) [A.P.]

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**



**CERTIFICATE**

This is to Certify that the project report entitled "SCROLLING TEXT LED E-  
NOTICE BOARD AIDED WITH GSM AND RASPBERRY PI" is the bonafide work  
carried out by **M. NANDHIKAR (18NA1A0441)**, **G. POOJITHA (18NA1A0450)**,  
**K. RAJESH (19NA5A0410)**, **V.B.N.V. MADHAV (19NA5A0402)** under my guidance  
is submitted in partial fulfillment for the award of the Degree of Bachelor of Technology  
in Electronics and Communication Engineering submitted to the Jawaharlal Nehru  
Technological University Kakinada (JNTUK), Kakinada, Andhra Pradesh during the  
academic year 2021 – 2022

Project Supervisor  
**B. VENKATESWARA RAO**

Head of the Department  
**Dr. B. SATYANARAYANA**

Head of the Department,  
Electronics and Communication Engineering  
Lingaya's Institute of Management and Technology  
Madalavariogudem, VIJAYAWADA-521

**EXTERNAL EXAMINER**

Principal  
Lingaya's Institute of Management and Technology  
Vivek Nagar, Nuzvid, Krishna District - 521 212  
Nuzvid Road, Nuzvid, Krishna District - 521 212

LINGAYA'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING



LINGAYA'S  
G R O U P  
Chennai to Anna

CERTIFICATE

This is to certify that the project report entitled "ADAPTIVE CONTROL FOR IMPROVING THE POWER QUALITY OF INTERTIE GRID CONNECTED WIND SOLAR SYSTEM" was successfully completed by GAVENKATA SAI MANIKANTA (18NA5AG106), MD. TAUFIQ (18NA1A0269), A. VINEETH KUMAR (18NA1A0207), K. KRANTHI KUMARI (18NA1A0217) in partial fulfillment for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

*[Signature]*  
Project Guide  
Mr. V. KIKAN BABU

*[Signature]*  
Head of The Department  
Dr. G. SATYAPAKAYANA

*[Signature]*  
External Examiner

*[Signature]*  
PRINCIPAL  
Dr. G. S. S. RAO, M.Sc., Ph.D.  
Vice Chancellor  
JNTUH, Hyderabad - 500085  
Date: 01-07-2022

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "POWER QUALITY IMPROVEMENT USING  
TRANSFORMER TAP CHANGER FOR MITIGATION OF VOLTAGE SAG"  
was successfully completed by

P.R.S SUBHA LAKSHMI (IRNATA0205)

M. KUMAR NANDAN (IRNATA0212)

MD. ABDUL HAMEED (IRNATA0204)

in partial fulfillment for the award of the degree of Bachelor of Technology in Electrical  
and Electronics Engineering by Jawaharlal Nehru Technological University Kakinada,  
Andhra Pradesh during the academic year 2018-2022

*Dr. G. Satyanarayana*  
Project Guide

DR. G. SATYANARAYANA

*Dr. G. Satyanarayana*  
Head of The Department

Dr. G. SATYANARAYANA

*External Examiner*

*@* PRINCIPAL  
Lingayas Institute of Management & Technology  
Vivek Nagar, Kakinada - 535002  
*N*

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad)

Vivek Nagar, Madalavaram, Distt. Hyderabad, Telangana, India

Department of Electrical & Electronics Engineering



CERTIFICATE

This is to certify that the Project report entitled "REDUCTION OF VOLTAGE SAG IN GRID CONNECTED WIND POWER SYSTEM USING BATTERY AND SMES BASED DRG" that is a documented record of work done by

N. ROHINI TULASI	18NA1A0210
SK. GALIB	18NA1A0203
P. VAMSI	19NA5A0202
M. AARTHI ANJALI	18NA1A0218

submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electrical & Electronics Engineering to the to the JNTUA during the academic year 2018-2022. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

PRINCIPAL

Dr. Chaitanya  
INTERNAL GUIDE

EXTERNAL EXAMINER

PRINCIPAL  
Lingayas Institute of Management & Technology  
Vivek Nagar, MADALAVARAM, HYDRAZ 521 212  
Muzvid Road, Villenavada, AP  
HEAD OF THE DEPARTMENT

LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING



This is to verify that the project report entitled "BACK TO BACK VOLTAGE SOURCE CONVERTERS FOR GRID CONNECTED RENEWABLE ENERGY COGENERATION" was successfully completed by N. K. GANESH (18NATA0202), K. KEERTHI (18NATA0215), G.L. DINESH PRABHAKAR (18NATA0201), SD. ABDUL WAHAB (19NATA0209) in partial fulfillment for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

Project Guide

Mr. SRAVET

Head of The Department  
Dr. G. SUBRAHMANYAM  
Dr. G.SATYANARAYANA

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING



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CLASS OF 2020

CERTIFICATE

This is to certify that the project report entitled  
"BACK TO BACK VOLTAGE SOURCE CONVERTERS FOR GRID CONNECTED  
RENEWABLE ENERGY CO-GENERATION" was successfully completed by R.  
GANESH (19NAIA0202), K. KEERTHI (19NAIA0215), G.L. JENITHA PRATIKSHA  
(19NAIA0211), SD. ABDUL WAHAB (19NAEA0208) in partial fulfillment for the award  
of the degree of Bachelor of Technology In Electrical and Electronics Engineering by  
Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the  
academic year 2021-2022.

Project Guide  
Mr. S.RAVI

Head of The Department  
  
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LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "AUTOMATIC VACANT PARKING PLACES MANAGEMENT SYSTEM USING VEHICLE DETECTION" was successfully completed by CH. VANAJA (18NA1A0505), P. SAHANA (18NA1A0519), NUMAN KHAN (18NA1A0518), S. MOUNIKA (19NA5A0502) in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022

*Project Under*

Mr. SIVA SANKAR BABU

*B. Aji Kumar*  
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Phone No. 0866-2085299, 2085353

### CERTIFICATE

This is to Certify that the project report entitled "MALWARE PREDICTION CLASSIFIER USING RANDOM FOREST ALGORITHM" is the Bonafide work carried out by HASMITHA DASARI (18NATA0502), BALARKA PRADHYUMNA DANDUBOINA (18NATA0540), K. POOJA (19NATA0504) in partial fulfilment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering submitted to the Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021 - 2022.

#### PROJECT GUIDE

Dr. M. CHINNA RAO, M.Tech, Ph.D  
PROFESSOR  
Department of CSE

*B. Anil Kumar*  
HEAD OF THE DEPARTMENT

*(BRIANTEKOMARU)*  
Computer Science and Engineering  
JNTUH, Kakinada  
Date: 2022-05-10

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Nuzvid Road, Vijayawada Rural

## CERTIFICATE

This is to Certify that the project report entitled "ENHANCING MULTI CLOUD STORAGE SERVICES TO REDUCE DATA OUT FLOW" is the bonafied work carried out by V. BHUVANESWARI - 18NA1A0503, N. SIRISHA-18NA1A0516, A. SATYA SWAROOP - 18NA1A0512, S. SRINU-18NA1A0526 in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering submitted to the Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021- 2022

M.JAGADISH  
PROJECT GUIDE

M.JAGADISH

*B. A. P. Kumar*  
HEAD OF THE DEPARTMENT  
Computer Science And Engineering  
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B. A. N. KUMAR  
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*C*  
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LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "SECRET AUTHENTICATED KEY MANAGEMENT PROTOCOL FOR CLOUD COMPUTING" was successfully completed by A. CHAITANYA VENKATA SAI NARAYANA (IRNATA0504), R. CHANDRA KOUSHIK (IRNATA0523), R. MAHENDAR (IRNATA0534), C. HARI BABU (IRNATA0509) in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

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Mr. B. ANIL KUMAR

*R. A. P. G.*  
Head of The Department

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Affiliated to Jawaharlal Nehru Technological University, Kakinada.  
Madalavariogudem, Nuzvid, Vijayawada-521 212 (Kakinada District) AP.

## CERTIFICATE

This is to certify that this is the bonafide record of the project entitled "**SPAMMER DETECTION AND FAKE NEWS IDENTIFICATION USING MACHINE LEARNING**", submitted by MatilJaswara Sri Krishne (18NA1A0507), Meesala Suvama Babu (18NA1A0510), Atlumuri Discord Babu (18NA1A0517) and Lankapalli Laban(18NA1A0535) of Btech in the partial fulfillment of the requirements for the **Degree of Bachelor of Technology in Computer Science and Engineering**, submitted to the Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

**PROJECT GUIDE**  
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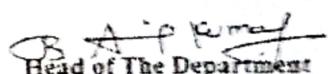


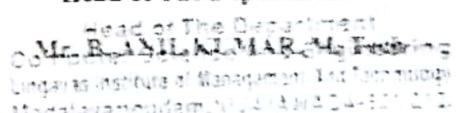
CERTIFICATE

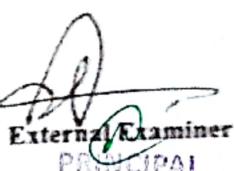
It is to certify that the project report entitled "DETECTION OF HEADGEAR AND SENSING THE NUMBER PLATE OF MOTORCYCLISTS" was successfully completed by S. GURU MANIDEEP CHOWDARY (18NA1A0508), B. VAISHNAVI (18NA1A0501), K. SANDEEP (18NA1A0525), B. MADHAV (18NA1A0515) in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022.

  
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Mr. K. SIVA RAMA KRISHNA

  
Head of The Department

  
Head of The Department  
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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CERTIFICATE

This is to certify that the project report entitled "REINFORCEMENT OF AGRICULTURE CROPS USING MACHINE LEARNING" was successfully completed by B.BHAVANA (18NA1A0529), P.TEJA VEERANDRA(18NA1A0511), K.PAVAN(18NA1A0533), P.CHETAN KUMAR (18NA1A0513)in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022

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Mr. B.A V PAVAN KRISHNA AKHIL

*B. A. V. Pavan*  
Head of The Department

Head of The Department  
Mr. B. A. V. Pavan  
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LINGAYA'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is to certify that the project report entitled "Automatic Face Mask Detection And Contactless Temperature Checking Using Artificial Intelligence and IoT" was successfully completed in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh under the guidance and output of the work carried out is satisfactory.

Mr. Shaik Khaleelullah., M.Tech

B. Anil Kumar  
Head of the Department  
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Lingaya's Institute of Management & Technology  
Mada, Mr. B. Anil Kumar, M.Tech

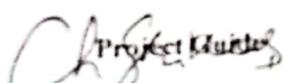
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Nuzvid Road, Vijayawada Rural

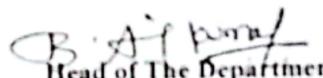
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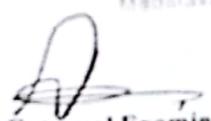
CERTIFICATE

This is to certify that the project report entitled "CONVERSION OF SIGN LANGUAGE FOR DEAF AND DUMB" was successfully completed by P. ANJALI PATNAIK (18NA1A0536), M. VEERABHADRA VIVEK (18NA1A0522), M. PAVANI (18NA1A0514), K. VIJAY KUMAR (19NA5A0503) in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering by Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh during the academic year 2021-2022

  
Mr. CH. SRINIVAS

  
Head of The Department

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**Department of Mechanical Engineering**



LINGAYA'S  
G.R.O.U.P  
COLLEGE OF ENGINEERING

**CERTIFICATE**

This is to certify that the Project report entitled "PARAMETRIC STUDY OF WIRE-EDM PROCESS IN Al 6063-T6 ALLOY USING TAGUCHI DOE" that is a bonafide record of work done by

SK. MUZZAMMIL PASHA	19NAIA0311
T. DOLAKNATH	18NAIA0309
N. SRINIVASA RAO	18NAIA0307
T. SAI RAM VINEETH	19NAIA0308
A. SAI RAM	19NAIA0304

submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Mechanical Engineering to the JNTUK during the academic year 2021-2022. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

*J.J. Appuji, M.R. &*  
*J.J. Appuji, M.R. &*  
*PRINCIPAL* *PRINCIPAL*  
*Lingaya's Institute of Management & Technology*  
*Viveka Nagar, MADALAVARIYADU, Andhra Pradesh*  
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Venkata Nagar, Madhavarayapetam via Nizamia, Vijayawada

Department of Mechanical Engineering



**CERTIFICATE**

This is to certify that the Project report entitled "AFFECT OF MATERIAL TYPE ON SURFACE ROUGHNESS, VARIANCE, SPARK GAP AND CUTTING SPEED IN WIRE EDM PROCESS OF Al 6063 T6" that is a bonafide record of work done by

M. VINNATH DATT  
B. BHAKER REDDY  
K. VARPU KEPALA  
MO. REHMAN  
SA. RFAZ  
  
17MA1AC075  
17MA1AC088  
17MA1AC119  
17MA1AC120  
17MA1AC122

submitted in partial fulfillment of the requirements for the award of Bachelor of Technology in **Mechanical Engineering** to the to the JNTUK during the academic year 2019-2022. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

*Mr. Vinuth Datt*  
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*Mr. Vinuth Datt*  
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STRUCTURE AND FUNCTION OF PROTEIN-LINKED CARBOHYDRATES

PRACTICAL USE OF THE VIBRATING SIEVE IN DETERMINING FINE-GRANULOMETRY

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卷之三



200

"We're so much more than the foreign company mentality," says CEO Mark Koenig. "We're a household name in our industry."

11. *Amphibolite* (*Amphibolite*)  
12. *Amphibolite* (*Amphibolite*)  
13. *Amphibolite* (*Amphibolite*)  
14. *Amphibolite* (*Amphibolite*)  
15. *Amphibolite* (*Amphibolite*)  
16. *Amphibolite* (*Amphibolite*)  
17. *Amphibolite* (*Amphibolite*)  
18. *Amphibolite* (*Amphibolite*)  
19. *Amphibolite* (*Amphibolite*)  
20. *Amphibolite* (*Amphibolite*)

concerns of natural fulfillment at the environmental site has caused a range of "environmental technologies" to be developed during the twentieth century (1900-2000). The specific contribution of these programs requires more space determined by many additional dimensions of technology for the removal of environmental

1. *Leucosia* (L.)  
2. *Leucosia* (L.)

*1940-41* *1941-42* *1942-43* *1943-44* *1944-45* *1945-46*

*1946-47* *1947-48* *1948-49* *1949-50* *1950-51* *1951-52*

*1952-53* *1953-54* *1954-55* *1955-56* *1956-57* *1957-58*

*1958-59* *1959-60* *1960-61* *1961-62* *1962-63* *1963-64*

*1964-65* *1965-66* *1966-67* *1967-68* *1968-69* *1969-70*

*1970-71* *1971-72* *1972-73* *1973-74* *1974-75* *1975-76*

*1976-77* *1977-78* *1978-79* *1979-80* *1980-81* *1981-82*

*1982-83* *1983-84* *1984-85* *1985-86* *1986-87* *1987-88*

*1988-89* *1989-90* *1990-91* *1991-92* *1992-93* *1993-94*

*1994-95* *1995-96* *1996-97* *1997-98* *1998-99* *1999-2000*

*2000-01* *2001-02* *2002-03* *2003-04* *2004-05* *2005-06*

*2006-07* *2007-08* *2008-09* *2009-10* *2010-11* *2011-12*

*2012-13* *2013-14* *2014-15* *2015-16* *2016-17* *2017-18*

*2018-19* *2019-20* *2020-21* *2021-22* *2022-23* *2023-24*

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Andhra Pradesh, India - 521 212

Department of Mechanical Engineering



**CERTIFICATE**

This is to certify that the Project report entitled "DESIGN AND LOAD OPTIMIZATION OF EPICYCLE GEAR TRAIN BY USING ANSYS R14.5"  
that is a bonafide record of work done by

S. KURAN YAMSI	1PNAA0A112
F. SIVA PRAKASH	1PNAA0A101
A. GOPI MOHAN	1PNAA0A104
B. RAJ KUMAR	1PNAA0A105
K. ASHET	1PNAA0A114

Submitted in partial fulfillment of the requirements for the award of degree of Bachelor of  
Technology in **Mechanical Engineering** to the to the JNTUK during the academic year  
2019-2022. The results embodied in this project report have not been submitted to any other  
University or Institute for the award of any degree.

*[Signature]*  
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G. R. O. U. P.  
Koneru lo kona

**CERTIFICATE**

This is to certify that the Project report entitled "SOLAR AIR COOLER AND HEATER WITH AUTO TRACKING" that is a bonafide record of work done by

U.KALYAN KUMAR 18NAIA0306  
SKIMRAN 18NAIA0314  
BH.BABA REDDY 18NAIA0317  
SK.JOHNY 18NAIA0312

submitted in partial fulfillment of the requirements for the award of Bachelor of Technology in Mechanical Engineering to the to the JNTUK during the academic year 2021-2022. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

J. V. Acharya E-2

P. R. Praveen CIPAL

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INTERNAL GUIDE

EXTERNAL EXAMINER  
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III

Mechanical Engineering  
Lingaya's Institute of Management and Technology  
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LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



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CERTIFICATE

This is certify that the thesis entitled EFFECT OF THERMAL BARRIER COATING ON PISTON TO IMPROVE ENGINE EFFICIENCY being submitted by T. BHARGAV (18NA1A0315), M. PREM NAGA SAI (18NA1A0305), K. PILLANI KUMAR (19NA5A0301) in partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering by Jawaharlal Nehru Technological University Kakinada is an authentic record of my work carried out under the supervision of M. Surendra Kumar, Assistant Professor, Mechanical department, Lingaya's Institute of Management and Technology, Vijayawada.

M.SURENDRAKUMAR, M.TECH

Project Guide

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Lingaya's Institute of Management and Technology  
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P.R.  
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Nuzvid Road, Vijayawada Rural  
External Examiner



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## CERTIFICATE

This is to certify that the thesis entitled "A LABORATORY INVESTIGATION ON SOIL STABILIZATION USING RICE HUSK ASH" being submitted by C. BHENIKA SRI (18NALA0110), D. RAVE CHANDRA (18NALA0114), V. GOWTHAM (18NALA0115), C.L. APPALA NAIDU (19NATSA0104) as partial fulfillment of the requirements for the award of bachelor of technology in CIVIL Engineering by Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision during the academic year 2021-2022.

Mr. C. RAJESH, M.Tech  
Project Guide

Dr. SRIVINAS, M.Tech  
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PRINCIPAL  
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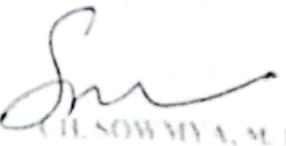
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DEPARTMENT OF CIVIL ENGINEERING

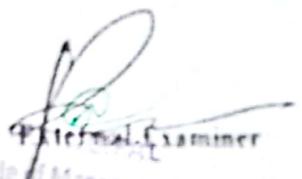


CERTIFICATE

This is to certify that the thesis entitled "STUDY OF INFILTRATION CAPACITY OF SOIL IN LIMAT" being submitted by C.E. JESHWANTH (18NATA0111) N. RAVI (18NATA0121) K. MAHALAKSHMI (18NATA0164) A. SATISH (18NATA0113) M. SRINI (18NATA0114) in partial fulfilment of the requirements for the award of Bachelor of Technology in CIVIL Engineering by Jawaharlal Nehru Technological University, Kakimada is a record of bonafide work carried out under my guidance and supervision during the academic year 2021-2022.

  
Mr. SYED IRFAN, M.Tech  
Project Guide

  
Mrs. SOWMYA, M.Tech  
Head of Department

  
Final Examiner  
Lingaya's Institute of Management & Technology  
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Nuzvid Road, Vijayawada Rural

LINGAYA'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY  
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the thesis entitled "AN EXPERIMENTAL INVESTIGATION ON REPLACEMENT OF LIME AGGREGATES WITH WOOD SHAVINGS" being submitted by A. SAI TEJA (IRNATAP112) in partial fulfillment of the requirements for the award of Bachelor of Technology in CIVIL ENGINEERING by Jawaharlal Nehru Technological University Kakinada is a record of bona-fide work carried out under my guidance and supervision during the academic year 2021-2022.

Mr. E. Srinivas M. Tech  
Project Guide

Mr. E. Srinivas, M. Tech  
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External Examiner

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DEPARTMENT OF CIVIL ENGINEERING



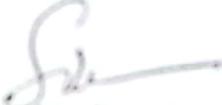
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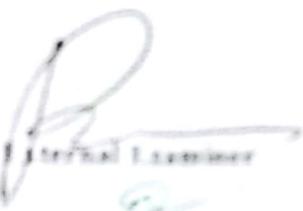
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CERTIFICATE

This is to certify that the thesis entitled "A STUDY ON THE DETERMINATION OF CHARACTERISTICS OF SOIL STABILIZED WITH GROUT FIBER" being submitted by S. ZELIAS JONATHAN as partial fulfillment of the requirements for the award of Bachelor of Technology in Civil Engineering by Jawaharlal Nehru Technological University, Kakinada is a record of honest work carried out under my guidance and supervision during the academic year 2021-2022.

  
Mr. SRINIVAS M. TADIKONDA  
Project Guide

  
Mr. SRINIVAS M. TADIKONDA  
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Internal Examiner

Mr. SRINIVAS  
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

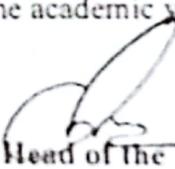


CERTIFICATE

It is to certify that the project report entitled "OPTIMIZING INFORMATION LEAKAGE IN MULTICLOUD STORAGE SERVICES" being submitted by ABHIJIT PARUCHURI (19NA1D5802) in partial fulfillment of the requirements for the award of the degree of Master of technology in COMPUTER SCIENCE & ENGINEERING of Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by me under the guidance and supervision during the academic year 2020-21.

Project Guide

Mr. MADDIRALA JAGADISH



Head of the Department

Dr. M. CHINA RAO

Principal  
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External Examiner

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**CERTIFICATE**

This is to certify that the project report entitled "**A STUDY ON BUDGETARY CONTROL WITH REFERENCE TO SOUTH CENTRAL RAILWAYS AT VIJAYAWADA**" is a bonafide work done by **T. Lakshmi Sowjanya** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

Date: 29/4/22

**Mrs. K. SRIDEVI**

*K. Sridevi*  
Project guide



**Dr. T. KIRANKUMAR**

**Head of Department M.B.A**

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**CERTIFICATE**

This is to certify that the project report entitled "**A STUDY ON "TRAINING & DEVELOPMENT" WITH REFERENCE TO INCAP LIMITED, VIJAYAWADA**" in is a bonafide work done by **SHAIK SALMA SULTANA, REG NO: 20NA1E0002** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date:

  
**M. AJAY KUMAR** (Assistant Professor)

Project guide

  
**Dr. S. KIRAN KUMAR**

**Head of Department M.B.A**

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This is to certify that the project report entitled "**A STUDY ON INVENTORY MANAGEMENT**" is a bonafide work done by **PATHAKOTI MADHU BABU** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

Date: 29/4/22

*Mrs Y.TAYAR*  
Mrs Y.TAYAR

Project guide

*T.Kirul*  
Dr. T.KIRAN KUMAR

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**Email: limat@gmail.com Website: [www.limat.org](http://www.limat.org)**



**CERTIFICATE**

This is certify that the project report entitled **A STUDY ON PORTFOLIO MANAGEMENT WITH REFERENCE IN HDFC BANK, VIJAYAWADA** is a bonaified work done by **MERAKANAPALLI MEGHANA, Reg.No-20NA1E0007** of Master of Business Administration under my Guidance and Submitted to the Post-Graduation Department Business Administration, **LINGAYYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada** in Madalavarigudem fulfillment of the requirement for the award of Master of Business Administration during the period 2020-2022.

*Y. Tayaru*  
PROJECT GUIDE  
Y TAYARU

*T. Kirankumar*  
HEAD OF THE DEPARTMENT

**Dr. T. KIRANKUMAR**  
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*External Examiner*  
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This is to certify that the project report entitled A STUDY ON "STRESS MANAGEMENT" With reference to KUSALAVA INTERNATIONAL LIMITED, VIJAYAWADA" is a Bonafede work carried out by PADALA MANJUSHA, Reg NO:20NA1E0009 under my guidance and supervision in partial fulfillment of the requirements for award of degree of MASTER OF BUSINESS ADMINISTRATION during the Academic year 2020-2022.

Place: VIJAYAWADA

Date: 30/04/2022

  
INTERNAL GUIDE

M. AJAY KUMAR

Assistant. Professor

DEPARTMENT OF MBA

  
Dr. T KIRAN KUMAR

Head of the Department

DEPARTMENT OF BUSINESS ADMINISTRATION

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Email: [limat@gmail.com](mailto:limat@gmail.com), Website: [www.limat.org](http://www.limat.org)

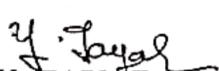


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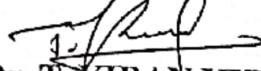
This is to certify that the project report entitled "**A STUDY ON CAPITAL BUDGETING WITH REFERENCE TO KESORAM CEMENT INDUSTRIES LIMITED, HYDERABAD**" is a bonafide work done by **K. NITHEESH KUMAR** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

Date: 29/4/22

  
Mrs Y. TAYAR

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Dr. T. KIRAN KUMAR

Head of Department M.B.A

Head of the Department  
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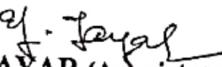


### CERTIFICATE

This is to certify that the project report entitled "**A STUDY ON EMPLOYEE WELFARE**" is a bonafide work done by **J. SAMBASIVA RAO** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date: 30/04/2022

  
Mrs. Y. TAYAR (Associate professor)

Project guide

  
Dr. T. KIRAN KUMAR

**Head of Department M.B.A**

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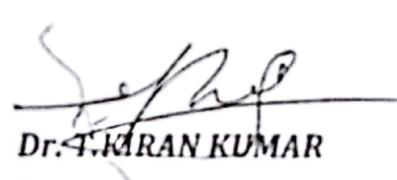
This is to certify that the project report entitled "**A STUDY ON PORTFOLIO MANAGEMENT WITH REFERENCE TO INDIA INFOLINE AT VIJAYAWADA**" is a bonafide work done by **E. Rama Krishna** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date:

  
**Mrs A. SRI LAKSHMI**

Project guide

  
**Dr. T. KIRAN KUMAR**

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### CERTIFICATE

This is to certify that the project report entitled "**A STUDY ON RELATIONSHIP BETWEEN EMPLOYEE STRESS MANAGEMENT WITH REFERENCE TO G.S ALLOY CASTING PVT LTD AT SURAMPALLI**" is a bonafide work done by **P.HANOK** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period **2020-2022**.

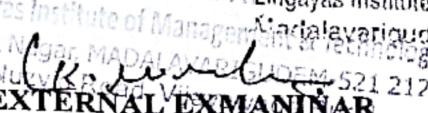
Place: VIJAYAWADA

Date: 30/04/2022

  
Mrs. A. SRI LAKSHMI

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Dr. T. KIRAN KUMAR

Head of Department M.B.A  
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**CERTIFICATE**

This is to certify that the project report entitled "**A STUDY ON JOB ANALYSIS OF EMPLOYEES**" with reference to "**to LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY**" is a bonafide work done by **KOLLI SRAVANI** Regd. No: 20NA1E0017 of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in **MADALAVARIGUDEM** fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

Date: 30/4/22

Prof. K.SRIDEVI  
*K.Srudevi*  
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**Dr. T. KIRAN KUMAR**

**Head of Department M.B.A**  
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*(K. Anil)*  
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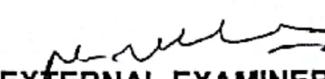
This is to certify that the project report entitled "**A STUDY ON MUTUAL FUNDS WITH REFERENCE TO HDFC BANK AT VIJAYAWADA**" is a bonafide work done by **A. Durga Bhavani** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

Date: 29/4/22

  
**Mrs A. SRILAKSHMI**

**Project guide  
M.B.A**

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
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**Head of Department**

Head of the Department  
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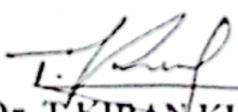
## CERTIFICATE

This is to certify that the project report entitled "A STUDY ON EQUITY ANALYSIS WITH REFERENCE TO KOTAK SECURITIES LIMITED AT VIJAYAWADA" is a bonafide work done by K. PUJITHA of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

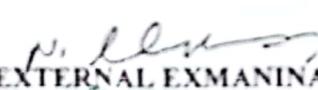
Place: VIJAYAWADA

Date:

Mrs A SRI LAKSHMI

  
Dr. T. KIRAN KUMAR

Project guide

  
EXTERNAL EXMANINAR

Head of Department M.B.A]

Field of the Department:  
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EMAIL:limat.vja@gmail.com



## CERTIFICATE

This is to certify that the project work entitled "**A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO K.C.P SUGAR AND INDUSTRIES CORPORATION LTD., VUYYURU**" Is a bonafide work carried out by **B.MOUNIKA, Reg. No 20NA1E0027** under my Guidance and Supervision in partial fulfillment of the requirement for the award of the degree of **MASTER OF BUSINESS ADMINISTRATION** during the Academic Year 2020-2022.

**INTERNAL GUIDE**

  
**HEAD OF THE DEPARTMENT**

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**EXTERNAL EXAMINER**  
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Email: limat.vja@gmail.com, Website: www.limat.org.



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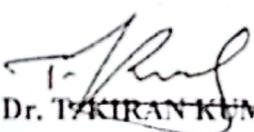
This is to certify that the project report entitled "A STUDY ON FINANCIAL STATEMENTS ANALYSIS" is a bonafide work done by SUKANYA KSHATRI of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date: 29/4/22

Mrs. Dr. Y. TAYAR (Assistant Professor)

Project guide

  
**Dr. TAKIRAN KUMAR**

**Head of the Department M.B.A**

Head of the Department  
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**EXTERNAL EXAMINER**  
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Vivek Nagar, Medalavangudem-521 212  
Nuzvid Road, Vijayawada Rural

**LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**

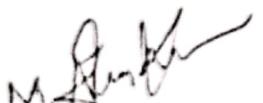
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**CERTIFICATE**

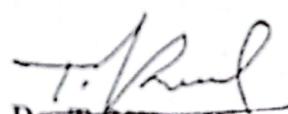
This is to certify that the project report entitled **A STUDY ON "EMPLOYEE MOTIVATION"** With Reference to **"MODEL DAIRY PVT. LTD, NIDAMANURU VIJAYAWADA"** is a bonafide work carried out by **KORADA UMA DEVI, Reg NO: 20NA1E0030** under my guidance and supervision in partial fulfillment of the requirement of the requirements for award of degree of **MASTER OF BUSINESS ADMINISTRATION** during the Academic year **2020-2022**.



INTERNAL GUIDE

M. AJAY KUMAR

Assistant, Professor  
DEPARTMENT OF MBA



Dr. T. KIRAN KUMAR

Head of the Department  
DEPARTMENT OF BUSINESS ADMINISTRATION



External Examiner  
Vivek Nagar, MADALAVARIGUDEM-521 212  
Huzvid Road, Vijayawada Rural

# LINGAYAS INSTITUTE OF MANAGEMENT & TECHNOLOGY

(Approved by AICTE New Delhi & Affiliated to JNTU Kakinada)

Madalavarigudem, Via Nunna, Vijayawada, Krishna dt.-521 212



## CERTIFICATE

This is to certify that the project report entitled "**A STUDY ON RECRUITMENT & SELECTION IN HYUNDAI**". Is a confide work carried out by **M.VIJAY**, Reg NO. **20NA1E0031** under my Guidance and Supervision in partial fulfillment of the requirements for award of degree of **MASTER OF BUSINESS ADMINISTRATION** during the Academic year **2020-2022**

### **INTERNAL GUIDE**

**M.AJAY KUMAR**

**Assistant. Professor**

**DEPARTMENT OF MBA**



**Dr. T. KIRAN KUMAR**

### **HEAD OF THE DEPARTMENT**

**DEPARTMENT OF BUSINESS ADMINISTRATION**

Head of the Department  
Master of Business Administration  
Lingayas Institute of Management and Technology  
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Lingayas Institute of Management & Technolog  
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**EXTERNAL EXAMINER**

# LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY

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## CERTIFICATE

This is to certify that the project report entitled "A STUDY ON "JOB SATISFACTION" With Special Reference To MODEL DAIRY PVT. LTD, NIDAMANURU" is a bonafide work done by SIRIPURAPU VINITH KUMAR of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2018-2020.

Place: VIJAYAWADA

Date: 30/04/2022

  
Dr. T. KIRAN KUMAR  
Project guide

  
Dr. T. KIRAN KUMAR

Head of Department M.B.A  
Head of the Department

Master of Business Administration  
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Nuzvid Road, Vijayawada Rural

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### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON JOB SATISFACTION OF EMPLOYEES WITH REFERENCE TO LINGAYAS VIDHYAPEETH, is a bonafide work carried out by S.KAVYA SRI, Reg NO. 20NA1E0035 under my Guidance and Supervision in partial fulfillment of the requirements for award of degree of MASTER OF BUSINESS ADMINISTRATION during the Academic year 2021-2022.

Place: VIJAYAWADA

Date: 29/4/22

K. Sridevi  
Prof. K. SRIDEVI

Project guide

T. Kiran Kumar  
Dr. T. KIRAN KUMAR

Head of Department M.B.A

R.DINAKAR  
Aug. 2022  
Lingaya's Inst<sup>n</sup> EXTERNAL EXAMINER Technology  
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# LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY

(Approved by AICTE New Delhi & Affiliated to JNTU Kakinada)

Madalavarigudem, Vijayawada, Krishna District, Andhra Pradesh

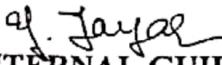
Phone: 964260881/2/3, 9642999399

Email:limat.vij@gmail.com; Website: www.limat.org

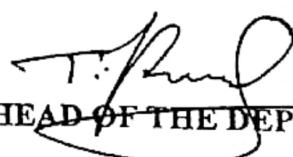
LIMAT/MBA/Project/Certificate/2022

## CERTIFICATE

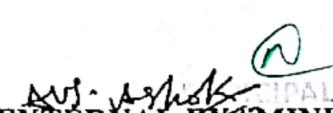
This is to certify that the Project work entitled "**A STUDY ON INDUSTRIAL RELATIONS WITH REFERENCE TO Dr.NTPS IBRAHIMPATNAM, VIJAYAWADA**" is a bonafide work carried out by **SRLATHA LANKIREDDY**, Regd No: 20NA1E0036 under my Guidance and supervision in partial fulfillment of the requirement for the award of the degree of **MASTER OF BUSINESS ADMINISTRATION** during the Academic Year 2020-22.

  
INTERNAL GUIDE

Mrs. Y.TAYAR  
ASSOCIATE PROFESSOR

  
HEAD OF THE DEPARTMENT

Dr. T.KIRAN KUMAR  
Head of the Department  
Master of Business Administration  
Lingayas Institute of Management and Technology  
Madalavarigudem, VIJAYAWADA 521 217

  
EXTERNAL EXAMINER  
Lingayas Institute of Management & Technology  
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## CERTIFICATE

This is to certify that the project report entitled "A STUDY ON EMPLOYEE SATISFACTION WITH REFERENCE TO RENAULT RAJAHMUNDRY" is a bonafide work done by POLU NARAYANA of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date: 30 - 4 - 2022

Prof. Dr. T KIRAN KUMAR

Project guide

T. Kiran  
Dr. T KIRAN KUMAR

Head of Department M.B.A  
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Dr. A. Anil  
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2085353, Fax: 0866-2085333, Email: [limat@gmail.com](mailto:limat@gmail.com), Website:[www.limat.org](http://www.limat.org)



**CERTIFICATE**

This is to certify that the project report entitled "**A STUDY ON TRAINING AND DEVELOPMENT WITH REFRENCE TO RENAULT (VISWARUPA AUTOMOTIVES PRIVATE LIMITED) RAJAHMUNDRY**" is a bonafide work done by **GATTI GOWTHAMI PRIYA** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in **MADALAVARIGUDEM** fulfilment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date: 30 - 4 - 2022



**Dr. T. KIRAN KUMAR**

Professor

Department of MBA

INTERNAL GUIDE



**Dr. T. KIRAN KUMAR**

Professor

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Head of Department M.B.A

Head of the Department

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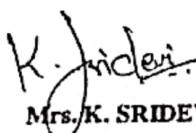
(Approved by AICTE New Delhi & Affiliated to JNTU Kakinada) Madalavarigudem,  
Vijayawada, Krishna dt.-521 212. Phone:08662085299, 2085353, Fax: 0866-2085333,  
E mail: limat@gmail.com; Website: www.limat.org



### CERTIFICATE

This is to certify that project work entitled "**THE JOB SATISFACTION OF EMPLOYEES AT ARC INFRA, VIJAYAWADA**". Is a bonafide work done by **Mr. LANKA VENUGOPAL CHOWDARY**, Reg.No:20NA1E0039 II MBA under my guidance and submitted to the Department of Business Management, Lingayas Institute of Management and Technology, Vijayawada. In partial fulfillment of requirement for the award of degree of Master of Business Administration for the period of 2020-2022.

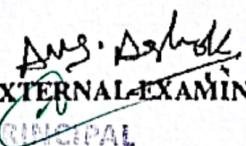
Place: Vijayawada  
Date: 29/4/22

  
Mrs. K. SRIDEVI

Project Guide

  
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Head of the Department

  
Dr. S. DEEKSHA  
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E mail: [limat@gmail.com](mailto:limat@gmail.com), Website: [www.limat.org](http://www.limat.org)



## **CERTIFICATE**

This is to certify that the project report entitled "**A STUDY ON EMPLOYEE ATTITUDE TOWARDS FRINGE BENEFITS** with reference to **HAPPY RESORTS AT GUNTUR**" is a bonafide work done by **B. N. V. S. PRATHYUSHA** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in **MADALAVARIGUDEM** fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

Date: 30/4/2022

  
**Prof. A. SRI LAKSHMI**

**Project guide**

  
**Dr. T. KIRAN KUMAR**

**Head of Department M.B.A**  
Head of the Department  
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**EXTERNAL EXAMINER**

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E mail: [limat@gmail.com](mailto:limat@gmail.com), Website: [www.limat.org](http://www.limat.org)

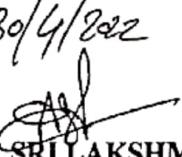


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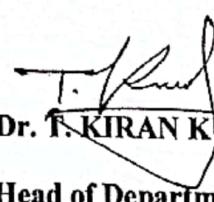
This is to certify that the project report entitled "**A STUDY ON EMPLOYEE JOB SATISFACTION**" with reference to "**HINDUSTAN COCA COLA BAVERAGES PRIVATE LIMITED ATMAKURU UNIT (GUNTUR)**" is a bonafide work done by **YENDURI PREMA SANDEEP**, Regd. No: **20NA1E0048** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in **MADALAVARIGUDEM** fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

Date: 30/4/2022

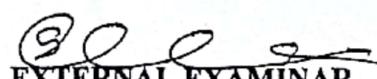
  
Prof. A. SRI LAKSHMI

Project guide

  
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Head of Department M.B.A

Head of the Department  
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## CERTIFICATE

This is to certify that the project report entitled "A STUDY ON "WORKING CAPITAL MANAGEMENT" With Reference to "HETERO DRUGS LIMITED, HYDERABAD" is a bonafide work done by SIMHADRI SAMBA SIVA RAO of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfilment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date: 29/4/22

*Prof. Jayal*  
Associate Prof. Y. TAYAR  
Project guide

*T. Kiran Kumar*  
Dr. T. KIRAN KUMAR

Head of Department M.B.A  
Head of the Department  
Master of Business Administration  
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*V. N. Reddy*  
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*A. C. Prakash*  
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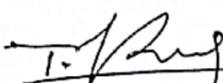
This is to certify that the project report entitled "A STUDY ON PERFORMANCE APPRAISAL With reference to VIZAG STEEL PLANT, VISAKHAPATNAM." is a bonafide work done by **BATHULA NIHIL**, Regd. No: 20NA1E0050 of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in **MADALAVARIGUDEM** fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

Date: 30/04/22 .

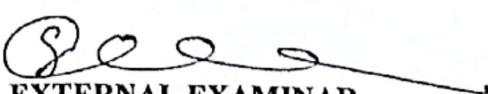
Prof. A. SRI LAKSHMI

Project guide

  
Dr. T. KIRAN KUMAR

**Head of Department M.B.A**

Head of the Department  
Master of Business Administration  
Lingayas Institute of Management and Technology  
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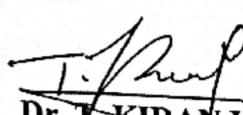
This is to certify that the project report entitled "**A STUDY ON ORGANIZATION CLIMATE AND CULTURE**" is a bonafide work done by **DONTHA MANIKANTA** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in **MADALAVARIGUDEM** fulfillment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date: 30 -4 - 2022

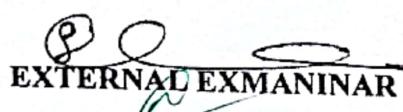
Mrs. A. SRI LAKSHMI

Project guide

  
**Dr. T. KIRAN KUMAR**

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Master of Business Administration  
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## CERTIFICATE

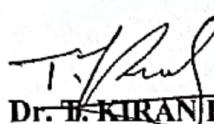
This is to certify that the project report entitled "**A STUDY ON PROMOTION AND REWARD POLICY WITH REFERENCE TO MARUTHI SUZUKI AT VIJAYAWADA**" is a bonafide work done by **D.N.V. CHANDANA SRI** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, **LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY**, Vijayawada in **MADALAVARIGUDEM** fulfillment of the requirement for the award of Master of Business Administration during the period 2021-2022.

Place: VIJAYAWADA

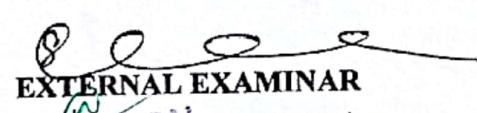
Date: 30/04/2022

  
**Prof. A. SRI LAKSHMI**

**Project guide**

  
**Dr. T. KIRAN KUMAR**

**Head of Department M.B.A**  
Head of the Department  
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**EXTERNAL EXAMINER**  
  
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E mail: [limat@gmail.com](mailto:limat@gmail.com), Website: [www.limat.org](http://www.limat.org)



## CERTIFICATE

This is to certify that the project report entitled **A STUDY ON “EMPLOYEE RELATIONS AND IT EFFECTS ON EMPLOYEE PRODUCTIVITY”** with reference to **KRISHNA DISTRICT MILK PRODUCERS CO-OPERATIVE UNION LIMITED, VIJAYAWADA** is a bonafide work done by **V. SAI DINESH, REG NO: 20NA1E0056** under my guidance and supervision in partial fulfillment of the requirement for award of degree of **MASTER OF BUSINESS ADMINISTRATION** during the academic year 2020-2022.

Place: VIJAYAWADA

Date: 30.04.22

Internal Guide

M. AJAY KUMAR

Assistant Professor

Department of Business Administration

Dr. T. KIRAN KUMAR

Head of Department M.B.A

Department of Business Administration

Head of the Department

Master of Business Administration

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Fax:0866-2085333, Email: [limat@gmail.com](mailto:limat@gmail.com), Website: [www.limat.org](http://www.limat.org)



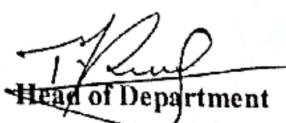
### CERTIFICATE

This is to certify that the project report entitled "**A STUDY ON EMPLOYEE COMPENSATION**" is a bonafide work done by **L.SRILEKHA** of Master of Business Administration under my guidance and submitted to the Post Graduation Department of Business Administration, LINGAYA'S INSTITUTE OF MANAGEMENT & TECHNOLOGY, Vijayawada in MADALAVARIGUDEM fulfillment of the requirement for the award of Master of Business Administration during the period 2020-2022.

Place: VIJAYAWADA

Date: 30 - 4 - 22

  
**M. AJAY KUMAR**  
Internal Guide

  
**Dr. T. KIRAN KUMAR**  
Head of the Department

**Department of Business Administration**  
Head of the Department  
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Lingayas Institute of Management & Technology  
Vivek Nagar, MADALAVARIGUDEM-521 212  
Nuzvid Road, Vijayawada Rural



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# Lingayas Institute of Management and Technology

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Madalavarigudem, Vijayawada.

## Industrial Training/ Plant visit

In view of the industrial visit, the ECE department (71 students from II/III/IV years and 3 faculty members) of Lingayas Institute of Management and Technology, Vijayawada, has visited

**Dr Narla Tata Rao Thermal Power Station (Dr NTTPS)** at Ibrahimpatnam, Vijayawada on 17.09.2022. Figure 1 shows the students along with the hierarchy at the beginning of the visit.

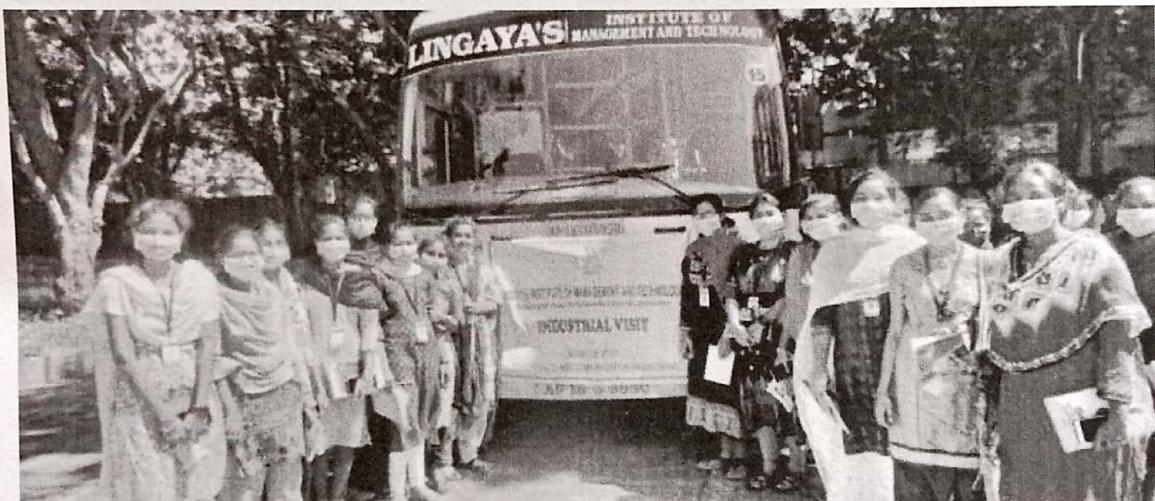


Figure 1. Students and faculty involved in the site visit

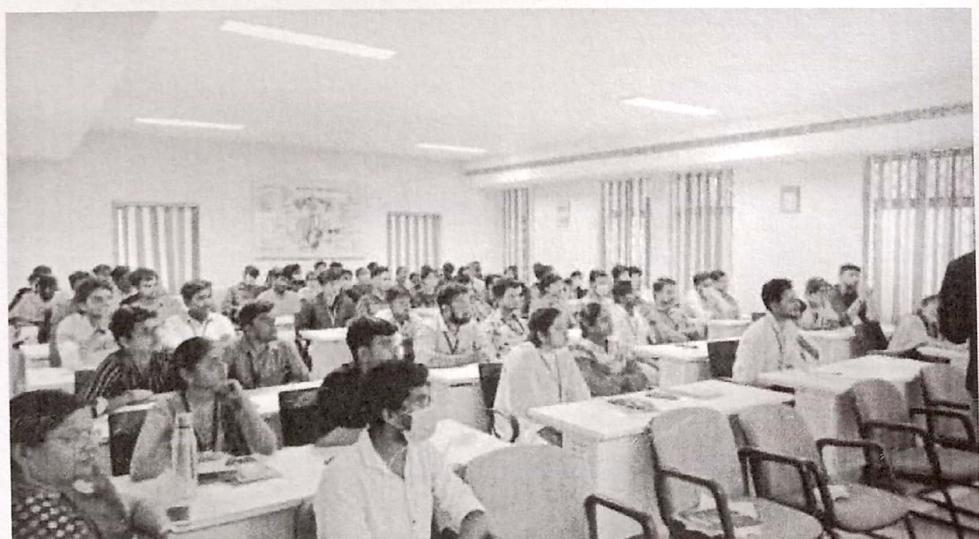
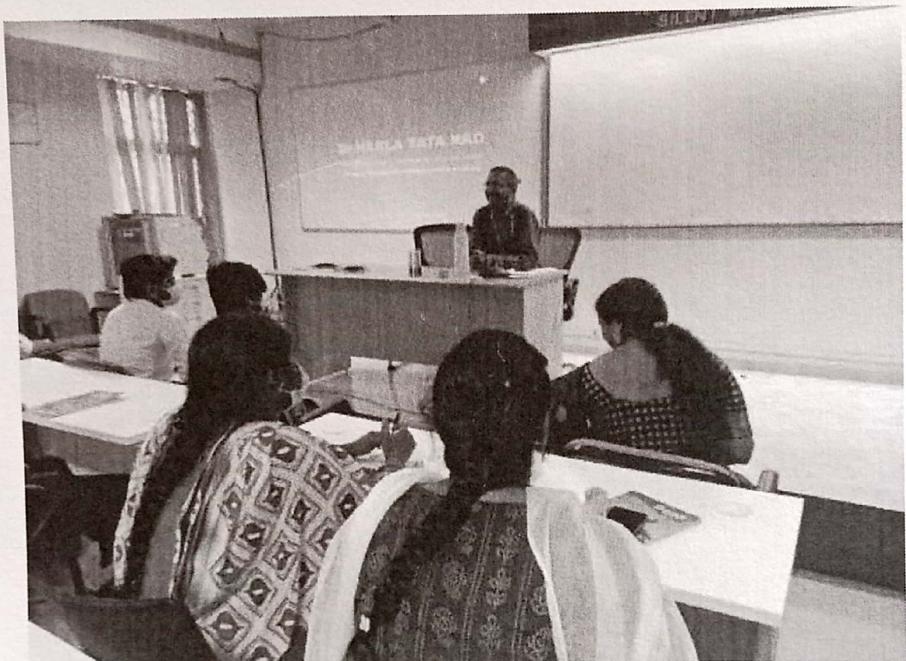
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All the students are given a plant training on how the thermal power station will work, sensors and various stages in details by APGENCO training institute in the NTPS. Figure 2 shows the students and the faculty taking demonstration on the power station at APGENCO.



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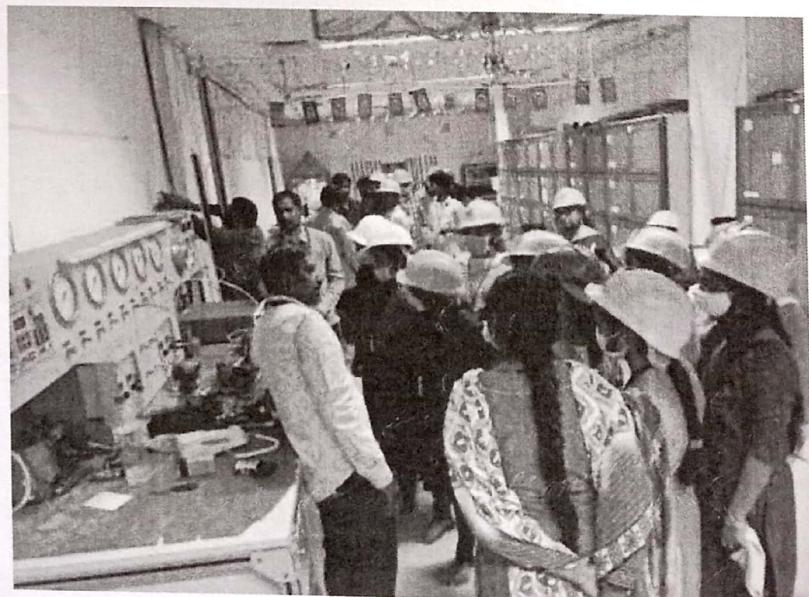
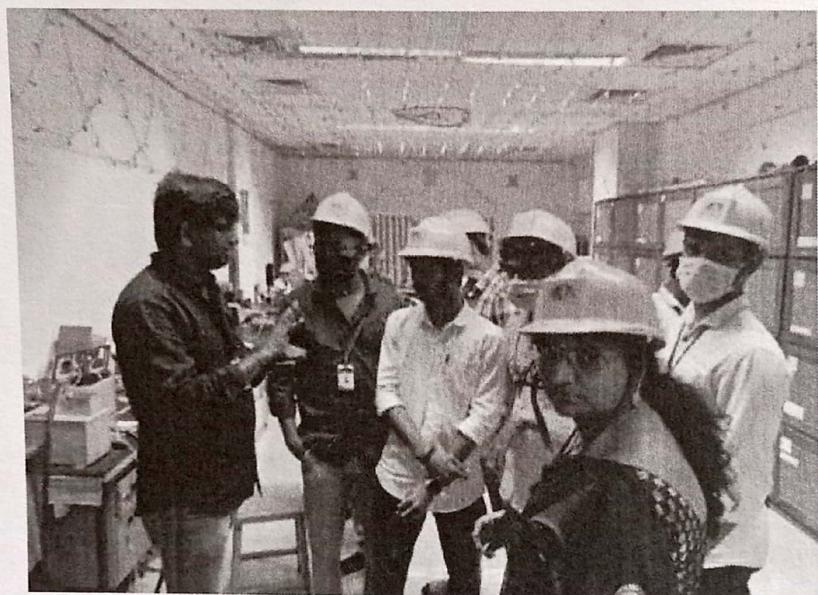


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The students have interacted with site engineer and their queries have been clarified with appropriate explanation by the site engineer.



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The students have been permitted to visit the plant.



Overall, the students have been provided with a chance to understand practically the different phases that involve in the power plant.

The company officials has provided very nice and necessary arrangements to make the trip successful and the management has been conveyed with heartfelt thanks.



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## Industrial/Construction site visit

In view of the industrial/construction site visit, the Civil engineering department (47 students from II/III/IV years and 3 faculty members) of Lingayas Institute of Management and Technology, Vijayawada, has visited a construction site at Sree Sai Balaji Constructions, Flat No: 201, Nakshtra Paradise, Kamineni Nagar, Tadepally, Gunturon 03.11.2021 Figure 1 shows the students along with the hierarchy at the beginning of the visit.



Figure 1. Students and faculty involved in the site visit

The site has two five storey buildings in function and three currently in construction phase. The site engineer (Mr Prasad garu) has explained the different phases involved in the site with the aid of a site plan as shown in Figure 2. The students have interacted with site engineer and their queries have been clarified with appropriate explanation by the site engineer.

  
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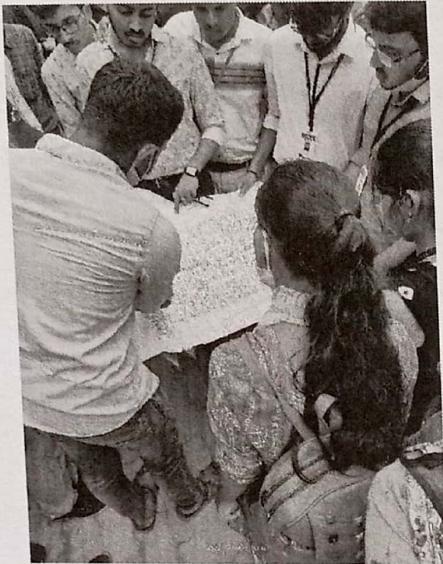


Figure 2. Site engineer explaining about the different phases of the construction

The students have been permitted to visit the apartment that is in construction phase as shown in Figure 3. Columns, beams and slabs of the apartment in construction phase were clearly explained by Professor Irfan garu and Professor Sowmya garu. Earthen bricks, flyash bricks, etc. are seen being used for the construction along with different materials.

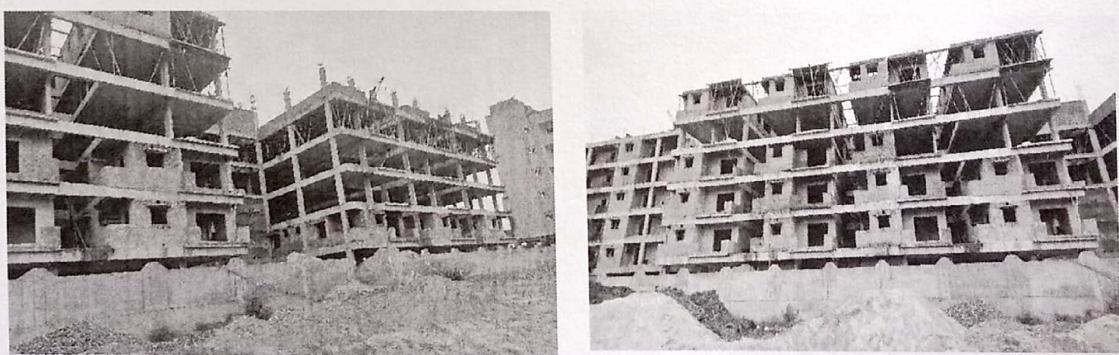


Figure 3. Apartments in construction site



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The apartments in function have been facilitated with nice red, grey cement zig zag paver blocks for transportation facility. The apartments have been facilitated with two pipe house plumbing system. The drainage of the apartment is facilitated with nahani trap, anti siphonage pipe, etc. Separate pipe line has been provided to divert the rain water into the drainage system. The apartments are also provided with green belt cover alongside the borders. Tot-Pot (garden like arrangement) facility is also provided in between the open space of the two apartments in function to facilitate recreation to the children residing in the apartments.

The construction site is facilitated with a 150 kilo litres per day (KLD) sewage treatment plant (STP). The STP is facilitated with an anaerobic hybrid moving bed biofilm reactor (MBBR). Microfiber MBBR Media is used in the reactor system as shown in the Figure 4. The media is purchased from Sree Tech Enviro products Pvt. Ltd, Hyderabad as per the information provided by the STP supervisor. The working principle of the STP is explained to all the students and doubts were clarified on the same.

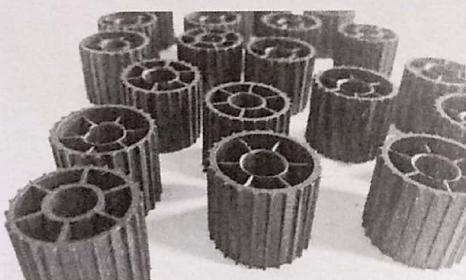


Figure 4. Microfiber MBBR Media ([mbbr-media-19319753912.html](#))

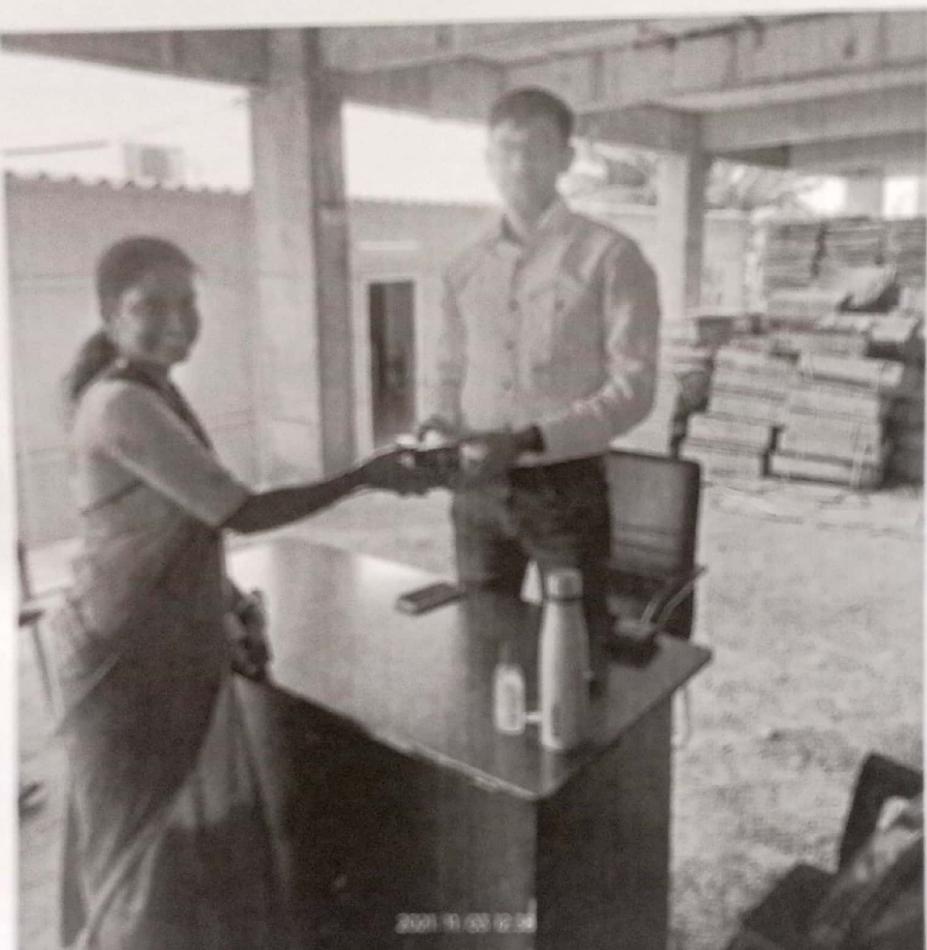
Overall, the students have been provided with a chance to understand practically the different phases that involve in a construction site.



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The construction management has provided very nice and necessary arrangements to make  
the trip successful and the management has been conveyed with heartfelt thanks.



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## Industrial visit

In view of the industrial/construction site visit, the Mech/ EEE engineering department (60 students from II/III/IV years and 3 faculty members) of Lingayas Institute of Management and Technology, Vijayawada, has visited a construction site at Kushalava industry at Advinekkalam ,Krishna Dist on 23.04.2022 Figure 1 shows the students along with the hierarchy at the beginning of the visit.

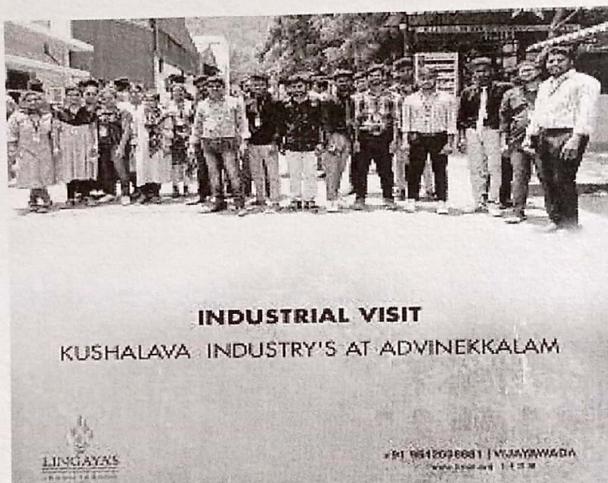


Figure 1. Students and faculty involved in the site visit

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INGAYA'S  
GROUP  
choose to know

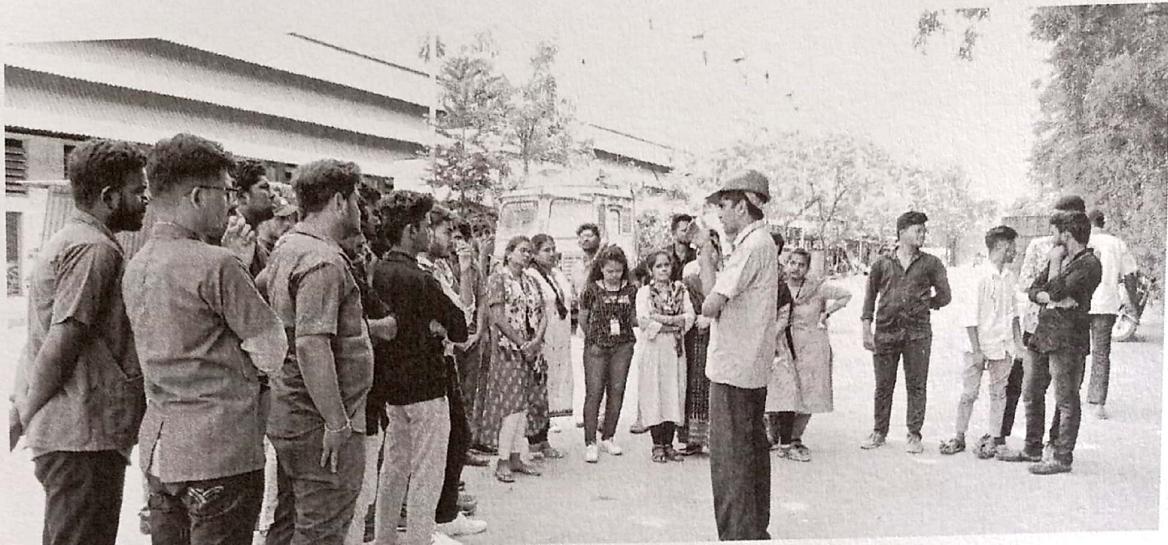


Figure2 Site visit photos

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## Industrial visit

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Figure 1. Students and faculty involved in the site visit

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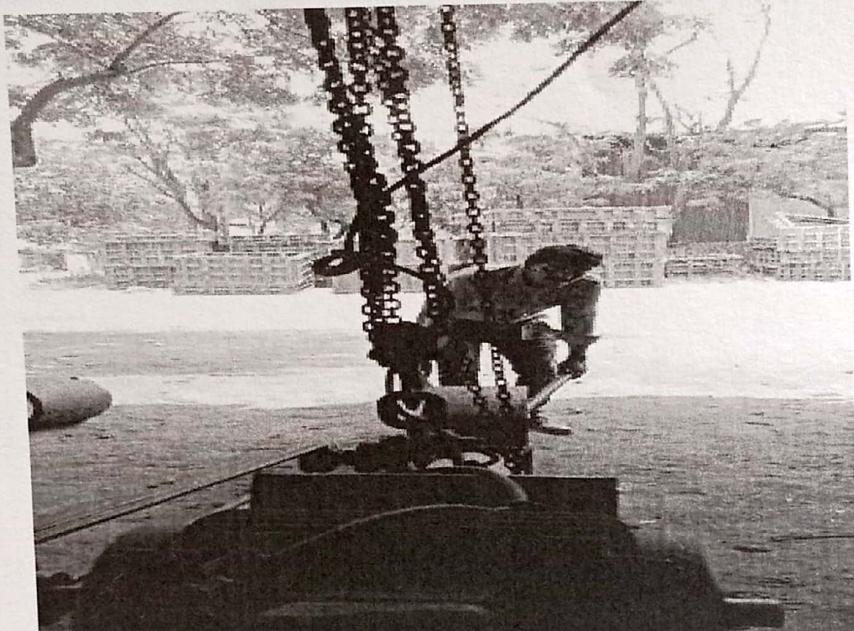
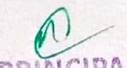


Figure 2. Students and faculty involved in the site visit

  
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