#### **DEPARTMENT OF CIVIL ENGINEERING**

PROJECT Batch NO.S	1	2	3
GUIDE NAME	Dr. G.TABITHA	Mrs. G. SHRAMIKA	Ms. A.UMA MAHESWARI
PROJECT LEADER (1)	20L65A0108	20L65A0102	20L65A0107
2	20L65A0106	20L65A0101	20L65A0109
3	19L61A0101	20L65A0104	20L65A0105

	B.TECH FINAL YEAR -PROJECT TITLES
BATCH:1	Utilization of Flyash Stabilized Cohesive Soils in Roads and Embankments
BATCH:2	Experimental Investigation on Partial Replacement of Coarse Aggregate with Crumbed Rubber in Concrete
BATCH:3	Comparative Study of Wind & Seismic Effect on a Multi-Storied Building

This is to certify that the project report entitled 'UTILIZATION OF FLYASH STABILIZED COHESIVE SOILS IN ROADS AND EMBANKMENTS' is been submitted to the Department of Civil, Chaitanya EngineeringCollege,Kommadi,Visakhapatnam byCh.SWATHI (20L65A0108),M.INDRAKUMAR(20L65A0106) M.GANESH (19L61A101) in thePartial fulfillment for the Award of Bachelor of Technology in Civil Engineering is a record of Bonafide work carried out by them under our gu. dance and supervision. The embodied in this project have not been submitted to any University or Institute for the award of any degree.

Project Guide

Head of the Department

Prof Dr.G.TABITHA

Ppt. Of Civil Engineering

MyssA. UMA MAHESWARI M.TECH

> Assistant Professor Dept.Of Civil Engineering

G. Janardhan 12/4/23 EXTERNAL EXAMINER

INTERNAL EXAMINER

this is to certify that the project report entitled "EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF COURSE AGGREGATE CRUMBED RUBBER IN CONCRETE" is been submitted to the Department Of Civil in Chaitanya Engineering College, Kommadi, Visakhapatnam by Mr. M. Uma Maheswara Rao (20L65A0102), B. Kurma Rao (20L65A0101), S. Beena (20L65A0104) in the Partial fulfilment for the Award of Bachelor of Irchnology in Civil Engineering is a record of Bonafide work carried out by them under our guidance University or Institute for the award of any degree.

Kroject Guide

Mrs. G. SRAMIKA
M. Tech, Assistant Professor
Dept. Of Civil Engineering.

Head of the Department

Ms. A. UMA MAHESWARI M. Tech, Assistant Professor Dept. Of Civil Engineering

INTERNAL EXAMINER.

G. Jara Than

This is to certify that the project report entitled "COMPARATIVE STUDY OF WIND & SEISMIC EFFECT ON A MULTI-STORIED BUILDING" has been submitted to the Department of Civil Engineering, Chaitanya Engineering College, Visakhapatnam, by

**B.KRISHNA BHUVAN PRASAD** G.THULASI T.MANIKANTA

In partial fulfillment for the award of Bachelor of Technology in Civil Engineering is a record of bonafied work carried out by them under our guidanceand supervision. The results embodied in this project have not been submitted to any University or Institute for the award of any degree.

Project Guide

Ms. A.UMA MAHESWARI

Assistant Professor M.Tech-Structures

Head of the Department

Ms. A. UMA MAHESWARI

(20L65A0107)

(20L65A0109)

(20L65A0105)

Assistant Professor M.Tech-Structures

External Examiner: G. Janas dhar

Date: 12 4 23

#### CHAITANYA ENGINEERING COLLEGE PROJECT ALLOCATION DETAILS 4<sup>TH</sup> BTECH EEE BATCH 2019-2023

S.NO.	PIN NUMBERS	TEAM MEMBERS	GUIDES
1.	20L65A0216 20L65A0220 20L65A0219 20L65A0203	C. Ram Kashyap K. Karthik K. Usha Rani B. Sravani	Sri. M.R.LAKSHMANA RAO
2.	20L65A0229 20L65A0221 19L61A0201 20L65A0218	T. Sai Charan K. Manideep L. Uday Kiran K. Gynaneshwar	Sri. Dr. G.SURYA KALYAN
3.	20L65A0204 20L65A0210 20L65A0222 20L65A0228	C. Ram Kumar M. Nikhil Kumar K. Ajay Kumar R. Manoj	Sri. S.D.ASHA MAHESH
4.	19L61A0202 20L65A0207 20L65A0209 20L65A0215	G. Chandra Sekhar J. Nanda Kishore K. Vasudeva Rao C. Krupa Samuel	Sri .S.SIVA SHANKAR
5.	20L65A0208 20L65A0212 20L65A0217 20L65A0224	K. Mohit Kumar S. Suresh Krishna C. Venkata Manichandan M. Harika	Sri. M.L.V.K PRASAD
6.	20L65A0225 20L65A0211 20L65A0226 20L65A0227	P. Vinil raju P. Rehamanth P. Krishna Prudhvi Pinniti Praveen	Sri. S.D.ASHA MAHESH

7.	20L65A0213 20L65A0223 20L65A0201 20L65A0205	B. Bhavani K. Uday Kumar A. Mounika G. Chandrasekhar	Sri. M.R.LAKSHMANA RAO
----	--	---	------------------------------

Project Co-coordinator

Head of the Department



This is to certify that this project work entitled "IOT BASED HOME AUTOMATION" has been successfully carried out by

B. SRAVANI

(20L65A0203)

CH. RAM KASHYAP

(20L65A0216)

K. USHA RANI

(20L65A0219)

K. KARTHIK

(20L65A0220)

in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, CHAITANYA ENGINEERING COLLEGE, is a bonafide record of the work done by them under my guidance and supervision.

Dr. G. SURYA KALYAN,

Professor,

Head of the Department.

Sri. M. R. LAKSHMANA RAO,

Associate Professor,

Project Guide.

Place: Visakha patnam Date: 10/04/23



This is to certify that this project work entitled "EMEGENCY ALERT SYSTEM FOR WHEELCHAIR BOUND PERSON" has been successfully carried out by

T.SAI CHARAN (20L65A0229)

K. MANIDEEP (20L65A0221)

L.UDAY KIRAN (19L61A0201)

K. GNYANESHWAR (20L65A0218)

in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, CHAITANYA ENGINEERING COLLEGE, is a bonafide record of the work done by them under my guidance and supervision.

Dr. G. SURYA KALYAN,

Professor,

Head of the Department

Dr. G. SURYA KALYAN,

Professor,

Project Guide

Place: WISAKHAPATHAM

Date: 10-04-2023



This is to certify that this project work entitled AUTOMATIC BOTTLE FILLING SYSTEM USING PLC has been successfully carried out by

CH.RAMKUMAR (20L65A0204)

M.NIKHIL KUMAR (20L65A0210)

K.AJAY KUMAR (20L65A0222)

R.MANOJ (20L65A0229)

in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, CHAITANYA ENGINEERING COLLEGE, is a bonafide record of the work done by them under my guidance and supervision.

Dr. G. SURVA KALYAN,

Professor,

Head of the Department

Sri. S.D. ASHA MAHESH,

Assistant Professor.

**Project Guide** 



This is to certify that this project work entitled INDUCTION MOTOR DESIGN BY USING PYTHON has been successfully carried out by

K.UDAY KIRAN

(20L65A0223)

G.CHANDRA SEKHAR

(20L65A0205)

**B.BHAVANI** 

(20L65A0213)

in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, CHAITANYA ENGINEERING COLLEGE, is a bonafide record of the work done by them under my guidance and supervision.

Dr. G. SURYA KALYAN

Sri. M. R. LAKSHMANA RAO,

Professor,

Associate Professor,

Head of the Department

Project Guide.

Place: ViSa kha Patnam Date: 10-04-2023



This is to certify that this project work entitled "SOLAR WEATHER STATION" has been successfully carried out by

K. MOHITH KUMAR	(20L65A0208)
-----------------	--------------

in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, CHAITANYA ENGINEERING COLLEGE, is a bonafide record of the work done by them under my guidance and supervision.

Sri. Dr. G. SURYA KALYAN,

Professor,

Head of the Department

Sri. T. JYOTHI,

Assistant Professor,

**Project Guide** 



This is to certify that this project work entitled **GEO FENCING** has been successfully carried out by

PATNALA REHAMANTH (20L65A0211)

VINILRAJU PEYYALA (20L65A0225)

PILLA KRISHNA PRUDHVI (20L65A0226)

PINNITI PRAVEEN (20L65A0227)

in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, CHAITANYA ENGINEERING COLLEGE, is a bonafide record of the work done by them under my guidance and supervision.

Dr.G.SURYA KALYAN,

Professor,

Head of the Department/EEE

Sri. S.D. ASHA MAHESH,

Assistant Professor,

**Project Guide** 



This is to certify that this project work entitled "Vehicle Accident Alert System" has been successfully carried out by

CH. KRUPA SAMUEL (20L65A0215)

K. VASU DEVA RAO (20L65A0209)

J. NANDA KISHORE (20L65A0207)

G. CHANDRA SEKHAR (19L61A0202)

in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering, Chaitanya Engineering College, is a bonafide record of the work done by them under my guidance and supervision.

Dr. G. Surya Kalyan,

Professor,

Head of the Department

S. Sive farling Sri. S. SIVA SANKAR,

Assistant Professor,

Project Guide

Place: Visakhapatham

Date: 10-4-23

#### CHAITANYA ENGINEERING COLLEGE DEPARTMENT OF MECHANICAL ENGINEERING IV-II (R19) PROJECT BATCHES 2019-2023

	BATCH 1	PROJECT TITLE	GUIDE	
1 20L65A0303	ARANGI DEEPCHAND			
2 19L61A0307	SNEHAS KESHARI BHOI			
3 20L65A0333	ARANGI DEEPCHAND  SNEHAS KESHARI BHOI  RAYAVARAPU SAI KIRAN  A.CHINNA RAO  KARRI UDAY KUMAR  GUNTURU CHANDHAN  BATCH 2  DONKA AVINASH  ANDANAPALLI VENKATA PRAKASH  VABBINA ADARSHA KUMAR  EATHAKOTA SAI VENKATA AKHILESH  ALAMANDA JAYA KUMAR  PANDU NAGA PRAVEEN  BATCH 3  GANDI VASU  GEDELA CHANDAN  MATHA KAUSHIK  JAMMULAMUDI TARUN KUMAR  KADIMI GIRICHARAN  BATCH 4  GOVARDHAN REDDY DASARI  GOLAGANI VIJAY KUMAR  MATTAPARTHI NANDA SAI RAM  NODAGALA SURESH  KALLURI MANIKANTA  KALLURI MANIKANTA  PANDURGAPRASAD  PALLI MOHAN PAVAN  APPALA GOWRI SHANKAR  L. HEMANTH KUMAR  BATCH 6  MEDDISETTI ANIL PRADEEP  LAKKOJU SURESH  VOLETI MADHU  MUDUNURU MANIKANTA SAI VARMA  ITRAJU APPALASURYA PRASAD  THAMMARALA PRADEEP  BATCH 7  OMMI HEMA SUNDAR  NAMMI AJAY KUMAR	DESIGN AND FABRICATION OFMINI		
4 19L61A0305	A.CHINNA RAO	PELTIER BASED COOLER	M.KISHORE KUMAR	
5 20L65A0344	KARRI UDAY KUMAR			
6 20L65A0312	GUNTURU CHANDHAN			
	BATCH 2			
1 20L65A0305	DONKA AVINASH			
2 20L65A0301	ANDANAPALLI VENKATA PRAKASH	FABRICATION AND INVESTIGATION OF		
3 20L65A0346	VABBINA ADARSHA KUMAR	MECHANICAL PROPERTIES OF NATURAL		
		FIBER REINFORCED POLYMER	Y.DURGA PRASAD	
		COMPOSITE		
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2 20L65A0309	Application of the Control of the Co			
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		POWER GENERATION USING SPEED	K.SRIKANTH	
		BREAKER		
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	PROCESSOR DE LA PROPERTIE DE L			
/   20L03A0343				
1 20L65A0311				
2 20L65A0310	Control of the Contro	-		
		DESIGN AND SARRIGATION OF SOLAR		
		DESIGN AND FABRICATION OF SOLAR	P.V.RAVI	
4 20L65A0325	and the self-point to the equitation of a strip design and a self-point to the self-	POWERED MINI SCOOTER		
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6 19L61A0306	Line Torres			
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	AND CONTROL OF THE CO			
2 20L65A0317	Service of process of the process of	DESIGN AND FABRICATION OF TWO		
3 20L65A0330		WHEEL DRIVE FORKLIFT FOR	V.RAJESH	
		INDUSTRIAL WAREHOUSES		
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		POWERED AIR COOLER		
5 20L65A0335	THAMMARALA PRADEEP			
2 20L65A0324	NAMMI AJAY KUMAR			
3 20L65A0341	NADIMINTI BHASKAR RAO	DESIGN AND ANALYSIS OF MINI BIOGAS	P.SANTHI	
4 20L65A0318	KONDAPALLI PAVAN KUMAR	PLANT	i sentitii	
5 19L61A0301	M.NANAJI			
5 20L65A0306	DUDA NAGESH			

#### ВАТСН 8

1 20L65A0332	POTANAPALLI GIRI				
2 20L65A0331	PILLA HEMANTH KUMAR				
3 20L65A0342 I	BARLA CHARAN KUMAR	DESIGN AND ANALYSIS OF CATALYTIC	CI CRACE CURIER		
4 20L65A0340 I	MULA KOTESWARA RAO CONVERT	CONVERTOR	CH.GRACE SUDHEER		
5 19L61A0304 F	PANDHI JHONY				
6 20L65A0337 I	N SATHVIK VARMA				



This is to certify the dissertation entitled "FABRICATION OF MINI PELTIER BASED COOLER" is submitted

By

20L65A0303	ARANGI DEEPCHAND
19L61A0307	SNEHAS KESHARI BHOI
20L65A0333	RAYAVARAPU SAI KIRAN
19L61A0305	ALAJANGI CHINNA RAO
20L65A0344	KARRI UDAY KUMAR
20L65A0312	GUNTURU CHANDAN

In partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in Mechanical Engineering to Jawaharlal Nehru Technological University, Kakinada, is a record of bonafied work carried out by him under my guidance and it has been found suitable for acceptance according to requirements of the university.

The results reported in this have not been submitted to any other university or institute for the award of any degree or diploma.

Project Guide

Head of the Department

Sri. V. Rajesh, M. Tech

Sri. M. Kishore Kumar, M. Tech

ASSOCIATE PROFESSOR

Department of Mechanical Engineering

ASSISTANT PROFESSOR

Department of Mechanical Engineering

# DEPARTMENT OF MECHANICAL ENGINEERING CHAITANYAENGINEERING COLLEGE & MANAGEMENT (Approved by AICTE, New Delhi & Affiliated to JNTUK)



#### CERTIFICATE

This is to certify that the project work entitled "FABRICATION AND INVESTIGATION

OF MECHANICAL PROPERTIES OF NATURAL FIBER REINFORCED

POLYMER COMPOSITE" being submitted by, D. AVINASH, A. VENKATA

PRAKASH, V. ADARSH KUMAR, E. SAI VENKATA AKHILESH, A. JAYA KUMAR &

P. NAGA PRAVEEN and in partial fulfilment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING. It is a record of
bonafide work carried out under the guidance and supervision of Y. DURGA PRASAD Assistant Professor,

Department of Mechanical Engineering during the academic year (2022-2023).

y Dorge Juseus Y. DURGA PRASAD M. Tech

Project Guide

V. RAJESH M.Tech

Head of the Department



This is to certify the dissertation entitled "DESIGN AND FABRICATION OF FOOTSTEP POWER GENERATOR" is submitted by

20L65A0308	GANDI VASU
20L65A0309	GEDELA CHANDAN
20L65A0320	MATHA KAUSHIK
20L65A0314	JAMMULUMUDI TARUN KUMAR
20L65A0345	MAJJI MOHAN RAO
20L65A0334	SETTI HARISH KUMAR
20L65A0343	KADIMI GIRI CHARAN

In partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in Mechanical Engineering to Jawaharlal Nehru Technological University, Kakinada, is a record of bonafied work carried out by him under my guidance and it has been found suitable for acceptance according to requirements of the university.

The results reported in this have not been submitted to any other university or institute for the award of any degree or diploma.

**Project Guide** 

Sri. K.SRIKANTH (M.TECH)
ASSISTANT PROFESSOR
Department of Mechanical Engineering

Head of the Department

Sri. V. Rajesh (M.TECH)
ASSOCIATE PROFESSOR
Department of Mechanical Engineering

(Approved by AICTE, Affiliated to JNTUK, Kakinada & Accredited by NBA & NAAC) KOMMADI, NEAR MADHURAWADA, VISAKAPATNAM-530048., A.P



#### CERTIFICATE

This is to certify that the project work entitled "FABRICATION OF SOLAR POWERED MINI SCOOTER" being submitted by, D. GOVARDHAN REDDY (20L65A0311), K.MANIKANTA (20L65A0315), M.NANDA SAIRAM (20L65A0321), G.VIJAY KUMAR (20L65A0310), N.SURESH (20L65A0325) & P.SUNIL (19L61A0306) and in partial fulfilment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING from Jawaharlal Nehru Technological University, Kakinada for the academic year 2021-2022. It is a record of bona fide work carried out under the guidance and supervision of P.V. RAVI Assistant Professor, Department of Mechanical Engineering during the academic year (2019-2023).

Mr. P.V RAVI M.Tech

Associate Professor

Project Guide

Mr. V. RAJESH M.Tech

Associate Professor

Head of the Department

(Approved by AICTE, Affiliated to JNTUK, Kakinada & Accredited by NBA & NAAC) KOMMADI, NEAR MADHURAWADA, VISAKAPATNAM-530048., A.P.



#### CERTIFICATE

This is to certify that the project work entitled "FABRICATION OF FORKLIFT BY USING BLUETOOTH MODULE" being submitted by, K.RAKESH RAMBABU (20L65A0316), A.GOWRI SHANKAR (20L65A0302), P. MOHANPAVAN (20L65A0328), P.DURGA PRASAD (20L65A0330), L.HEMANTH KUMAR (19L61A0310) & K.LAKSHMI SAI CHARITH (20L65A0317) and in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING from Jawaharlal Nehru Technological University, Kakinada for the academic year 2021-2022. It is a record of bonafide work carried out under the guidance and supervision of V.RAJESH Assistant Professor, Department of Mechanical Engineering during the academic year (2019-2023).

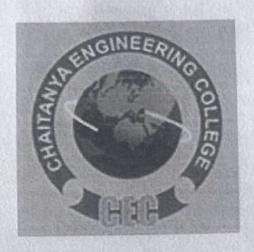
Mr.V.RAJESH M-Tech Associate Professor

**Project Guide** 

Mr.V.RAJESH M-Tech Associate Professor

**Head of the Department** 

(Approved by AICTE, NEW DELHI & AFFILIATED TO JNTUK, KAKINADA) KOMMADI, NEAR MADHURAWADA, VISAKAPATNAM-530048., A.P



#### CERTIFICATE

This is to certify that the project work entitled "FABRICATION OF SOLAR POWERED AIR COOLER" being submitted by, M.ANIL PRADEEP, L.SURESH, V.MADHU, M.MANIKANTA SAI VARMA, I.APPALASURYA PRASAD, & T.PRADEEP and in partial fulfilment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING. It is a record of bonafide work carried out under the guidance and supervision of B.PRANEETH Assistant Professor, Department of Mechanical Engineering during the academic year (2022-2023).

Mr.B.PRANEETH M.TECH

Assistant professor

Project guide

Mr.V.RAJESH M.TECH

Associate professor

Head of the department

(Approved by AICTE, Affiliated to JNTUK, Kakinada & Accredited by NBA & NAAC)

KOMMADI, NEAR MADHURAWADA, VISAKAPATNAM-530048., A.P



#### CERTIFICATE

This is to certify that the project work entitled "FABRICATION OF MINI BIOGAS PLANT BY USING COW DUNG" being submitted by, O. HEMA SUNDAR (20L65A0326), N. AJAY KUMAR (20L65A0324), N. BHASKAR RAO (20L65A0341), K. PAVAN KUMAR (20L65A0318), M.NANANJI (19L61A0301) & D. NAGESH (20L65A0306) and in partial fulfilment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING. It is a record of bonafide work carried out under the guidance and supervision of P. SANTHI Assistant Professor, Department of Mechanical Engineering during the academic year (2019-2023).

**EXTERNAL EXAMINER** 

Mrs P. SANTHI M.Tech

Associate Professor

**Project Guide** 

Mr V. RAJESH M.Tech

Associate Professor

Head of the Department



This is to certify that P.GIRI, M.KOTESWARA RAO, P.HEMANTH KUMAR, N.SATHVIK VARMA, P.JOHNY, B.CHARAN KUMAR have completed his project work on " DESIGN AND ANALYSIS OF CATALYTIC CONVERTER " as students of final year mechanical engineering in the year 2022-2023 for partial fulfilment of requirement for the award of "BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING" of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, ANDHRA PRADESH.

GUIDE: God (Grace Sudher)

V-14/1 **ENGG.DEPT** 

**EXAMINER:** 

# CHAITANYA ENGINEERING COLLEGE: KOMMADI DEPARTMENT OF ECE IV BTECH (2019-23 BATCH) PROJECT BATCHES DURING ACADEMIC YEAR 2022-2023

Name of the Supervisor	Mrs V.HIMABINDU											AT THE MS V.PAVANI					
Title of the Project	SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM				SMART AMBULANCE SYSTEM			AUTOMATIV VEHICLE ACCIDENT DETECTION AND MESSAGING SYSTEM USING GSM AND GPD MODULE					STUDENT COLLEGE ALRET SYSTEM TO PARENTS BY THEIR ENTRY AT THE	COLLEGE PREMISES BY USING RFID AND GSM SMS TECHNOLOGY			
NAME OF THE STUDENT	M.KALYANI	K.SAI SARANYA	K.VASANTHA	P.MANOHAR	CH.SRI LAVANYA	M.ASHOK	K.ARVIND	N.SIVA	V.MOHANA KRISHNA	V.RAJA	19L61A0405 G.LAKSHMI PRASANNA	M.SANDEEP	19L61A0402 G.THARUN NAIDU	20L65A0410 V.GOWTHAMI SWETHA	M.RESHMA	G.KAVYA	B.KEERTHI
PIN.NO.	20L65A0406       M.KALYANI         20L65A0404       K.SAI SARA         20L65A0405       K.VASANTH         20L65A0408       P.MANOHA         20L65A0402       CH.SRI LAV			19L61A0407 M.ASHOK	19L61A0408	19L61A0406	19L61A0403	20L65A0411	19L61A0405	20L65A0409 M.SANDEEP	19L61A0402	20L65A0410	20L65A0407	19L61A0404	20L65A0401		
Batch.No			B-1				C	7-q			0	p-3			,	tq	

HOD, ECE

(Approved by AICTE) (Affiliated to JNTU, Kakinada, AP) Madhurawada, Visakhapatnam - 41



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION

#### CERTIFICATE

This is to certify that the project work entitled "UPI BASED PETROL DISPENSER" project work submitted by

M.KALYANI	20L65A0406
K.VASANTHA	20L65A0405

K.SAI SAKANTA	 OL65A0404	

during the year 2020 - 2023 under the guidance of Mrs. V.Hima Bindu. This work is submitted to the "Department of Electronics and Communication Engineering" in partial fulfillment for the award of "Bachelon of Technology" degree.

Head of the Department

E.RAJU (Mtech(Ph.D))

Department of ECE

External Examiner

V.HimaBindu

Assistant Professor Department of ECE

#### **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**



#### CERTIFICATE

This is to certify that the project report titled "VITAMINN DEFICIENCY

DETECTION"has been carried out by following students.

V. Mohana Krishana

(19L61A0403)

N. Siva

(19L61A0406)

M. Ashok

(19L61A0407)

K. Aravind

(19L61A0408)

Under the guidance of partial fulfilment of requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, Chaitanya Engineering College of

"Jawaharlal Nehru Technological University Kakinada"

Andhra Pradesh during the academic session 2019-2023.

Associate professor
Project guide

Mr.E.Raju M.Tech (PhD)



This is to certify that the project titled "STUDENT ATTENDANCE SYSTEM USING RFID" is a Record of the work done by V.Gowthami Swetha, M.Reshma, G.Kavya, B.Keerthi fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering of the Chaitanya Engineering College affiliated to Jawaharlal Nehru Technological University, Kakinada during the year 2019-2022.

Project Guide Ms. V. Pavani,

Assistant Professor,

**ECE** Department

Head of the Department Mr. E. Raju, Ph.D.,

Associate Professo

ECE Department

#### CHAITANYA ENGINEERING COLLEGE DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING IV B.TECH CSE (2019- 2023 BATCH) - PROJECT BATCHES

#### BATCH - 1:

PIN NO.	NAME OF THE STUDENT	NAME OF THE GUIDE
19L65A0528	PRANATHI MANDAVA	Dr. Ch.Pavan Sathish (HOD)
19L65A0534	UMMIDI LAVANYA	
19L65A0529	BORA HIMAJA RAMANI	
19L65A0539	U SAI JAGADESH	
19L65A0532	K.PRASANTH	

#### BATCH - 2:

PIN NO.	NAME OF THE STUDENT	NAME OF THE GUIDE
19L65A0525	KALIGATLA RAJESWARI	
19L65A0535	PRAVEEN SAHU	
19L65A0527	KONADA REVATHI KUMARI	Mr. I.S. Srinivasa Rao (ACA-Dean)
19L65A0522	BALLA SATYA	
19L65A0513	VENU ASHOK KUMAR	

#### BATCH - 3:

PIN NO.	NAME OF THE STUDENT	NAME OF THE GUIDE
19L65A0514	KONDA SRI RAMA SAI CHAIT	
19L65A0540	D.T.UDAY KUMAR PATNAIK	
19L65A0502	DUGIRALA YASHWANTH	Mr. I.S. Suinivasa Bas (ACA Dasa)
19L65A0503	NAKKA REVATHI	Mr. I.S. Srinivasa Rao (ACA-Dean)
19L65A0530	KIRAN KUMAR DORA	
19L65A0507	ARATI KUMARI SINGH	

#### BATCH - 4:

PIN NO.	NAME OF THE STUDENT	NAME OF THE GUIDE
19L61A0508	DIREDLA MADHUSUDHANA R	
19L61A0519	E.CHANDRA MOULI	
19L61A0538	BUGATHA GANESH	Mrs . M. Aswini
19L61A0512	VANA VENKATA CHANDU	
19L61A0515	CHANVVAKULA MANIKANTA	15
19L61A0536	NALLABELLI J S N V BHAVANI	

#### **BATCH - 5:**

PIN NO.	NAME OF THE STUDENT	NAME OF THE GUIDE
19L61A0511	ODUMURU LAKSHMI SRAVAN	Mrs. P. Vijaya Rekha
19L61A0524	II NAGA DATHA NARASIMHA	
19L61A0523	GULLIU MOHIT	
19L61A0531	BOBBILI ARUNA	
19L61A0541	G.MOHAN	
19L61A0518	CHELLE VEDA PRAKASH RAJU	

#### BATCH - 6:

PIN NO.	NAME OF THE STUDENT	NAME OF THE GUIDE
19L61A0505	KORADA HEMANTH	Mr.Ravi Kumar
19L61A0509	SABBARUPU SARATH KUMAR	
19L61A0537	GORINTA PRASANTHI	
19L61A0510	ANDRANA PRASANNA LAKSH	
19L61A0517	M.BHEEMA RAO	
19L61A0533	AMDINNE STAINES BAKTH SI	

#### BATCH - 7:

PIN NO.	NAME OF THE STUDENT	NAME OF THE GUIDE
19L61A0516	KOLISETTY SAI RAM LOKESH	Mr. B. Kiran
19L61A0501	JUTHAN PRASANTH NEPARTH	
19L61A0526	SANDEEP KUMAR GIRI	
19L61A0504	DANTULURI SOWMYA	
19L61A0506	SANABOINA TEJASWI	
19L61A0521	HARAMAHANTHI SATYA SRIN	

HOD

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CHAITANYA ENGINEERING COLLEGE

(Affiliated to Jawaharlal Nebru Technological University, Kakinada, A.P.)



#### CERTIFICATE

This is to certify the project report entitled "HANDY WEATHER STATION" is original work done by "Pranathi.Mandava(19L61A0528), B.HimjaRamani(19L61A0529), U.Lavanya(19L61A0534), U.SaiJagadeesh(19L61A0539), K.Prasanth(19L61A0532), V.Akhil(17L61A0507) this team in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science during the academic year 2022-2023. The result presented in this thesis has been verified and are found to be satisfactory.

PROJECT GUIDE

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HOD & Professor

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Dr.CH.PAVAN SATISH Ph.D

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## Department of Computer Science and Engineering

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#### CERTIFICATE

This is to certify that the project titled "API INTEGRATION FOR FOOD ORDERING WEBSITES" is the original work done by P. Madhu Sudhana Rao(19L61A0508), CH.Manikanta(19L61A0515), E.Chandra Mouli(19L61A0519), N.J.S.N.V. Bhavani(19L61A0536), B. Ganesh(19L61A0538), in partial fulfillment of the requirements for the award degree of Bachelor of Technology in Computer Science Engineering during the academic year 2019-2023. The results presented in the thesis have been verified and are found to be satisfactory. The results embodied in the thesis have been verified and are found to be satisfactory.

PROJECT GUIDE

Dr. CH. PAVAN SATISH, Ph.D.

Assistant Professor

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## DEPARTMENTOF COMPUTER SCIENCE & ENGINEERING CHAITANYA ENGINEERING COLLEGE

(Affiliated to Jawaharlal Nehru Technological University, Kakinada, A.P)



#### **CERTIFICATE**

This is to certify that the project report entitled "CONTROLLING SCREEN TIME FOR CHILDREN" is original work done by K.Sai Ram Lokesh (19L61A0516), S.Tejaswi(19L61A0506), N.Prasanth(19L61A0501), D.Sowmya (19L61A0504), V.Venkata Chandu(19L61A0512), Sandeep Giri(19L61A0526), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science during the academic year 2022-2023. The result presented in this thesis has been verified and are found to be satisfactory.

PROJECT GUIDE

Mr. B. KIRAN, M. Tech.
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## Department of Computer Science and Engineering

## CHAITANYA ENGINEERING COLLEGE

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#### **CERTIFICATE**

This is to certify the project report entitled "FAKE NEWS DETECTION IN SOCIAL MEDIA" is the original work done by K. Rajeswari(19L61A0525), K. Revathi Kumari(19L61A0527),

B. Satya(19L61A0522), Praveen Sahu (19L61A0535), V. Ashok (19L61A0513) this team in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science during the academic year 2019-2023. The result presented in thesis has been verified and are found to be satisfactory.

PROJECT GUIDE

Dr. CH. PAVAN SATISH Ph. D

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CHAITANYA ENGINEERING COLLEGE

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#### CERTIFICATE

This is to certify the project report entitled "VIRTUAL ASSISTANT FOR MEDICAL DEVICES" is original work done by this team in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science during the academic year 2022-2023. The result presented in thesis has been verified and are found to be satisfactory.

PROJECT GUIDE

Mrs.P.VIJAYA REKHA, M.TECH

**Assistant Professor** 

Dept. of Computer Science and Engineering

HEAD OF THE DEPARTMENT

Dr.CH.PAVAN SATISH, Ph.D

**HOD & Associate Professor** 

Dept. of Computer Science and Engineering



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

#### **CERTIFICATE**

This is to certify the project report entitled "FIRE FREE FOREST" is original work done by "K. HEMANTH (19L61A0505), S. SARATH KUMAR (19L61A0509), CH. PRASANNA LAKSHMI (19L61A0510) M. BHEEMA RAO (19L61A0517), L.S. BAKTH SINGH (19L61A5033), G. PRASANTHI (19L61A0537)" in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science during the academic year 2022-2023. The result presented in thesis has been verified and are found to be satisfactory.

Project Guide

G. RAVI KUMAR, M. Tech.

Assistant Professor

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Head of the Department

Dr. CH. PAVAN SATISH, Ph. D.

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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



#### CHAITANYA ENGINEERING COLLEGE

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#### **CERTIFICATE**

This is to certify the project report entitled "Enhancing Cyber Security Awareness with Games" is original work done by Team in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science during the academic year 2023. The result presented in thesis has been verified and are found to be Satisfactory.

PROJECT GUIDE

HEAD OF THE DEPARTMENT

Dr.CH.PAVAN SATISH Ph.D

Dr.CH.PAVAN SATISH Ph.D

**HOD & Professor** 

**HOD & Professor** 

Dept. Of Computer Science Engineering

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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON INVENTORY MANAGEMENT with Reference to "HINDUSTAN SHIPYARD LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by BANDARU SHANMUKA SRINIVASA RAO; PIN No.21L61E0001 during the academic year 2021-23 under my guidance an supervision. This report has not been submitted previously for the award of any Degree Diploma associate—ship, Fellowship or similar title in this University or in any other University.

KJYOSHNA Project Supervisor

Mrs. M. PADNTAJA Head of the Department

Mrs. M.P.ADMAJA Head of the Department of Business and CollegeManagement Studies 530048



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY PERFORMANCE APRAISAL with reference to DASAPALLA VISAKHAPATNAM" submitted in partial fulfillment for the award of Master Of BusinessAdministration by BERI GEETHIKA, PIN No.21L61E0002 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Markinga Project Supervisor

Mrs MOPADMAJA Head of the Department

EXTERNAL EXAMINAR

S. Tagekoll

Head of the Business and Management studies



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON FINANCIAL."

STATEMENTS with Reference to "VARUN MOTORS PVT LAMITED,

VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of.

Business Administration by GALAVILLI SRINIVAS, PIN No.211.61E.0003 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

KIYOTHSNA

Project Supervisor

ALAMORAL M. ETM

Head of the Department

# Chaitanya Engineering College Department Of Management Studies

(Approved By AR 11 and Affiliated to INTL Kakinada)

Mrs. M. PADMAJA
MCom. MBA. (PhD)
Head of the Department
LelOffice 0891-2793322



Kommadi, Madhurawada Visakhapatnam-530048 Mobik: 9440311419 Padmaja1920/a.gmasil.com

### CERTIFICATE

this is to certify that the project report entitled "A STUDY ON WORKING CAPITAL with Reference to ICICI Bank, VISAKHAPATNAM" submitted in partial falfillment for the award of Master of Business Administration by JAGGINENI PAVAN KUMAR, PIN No.21L61E0004 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Mrs. K. JYOTHSNA Project Supervisor

External Examiner

Mrs. M. PADMAJA Head of the Department



Lux 0891 Chaitanya Engineering College Visakhapatnam 530048

#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON PERFORMANCE APPRAISAL with reference to VARUN MOTORS PVT LIMITED., VSKP., submitted in partial fulfillment for the award of Master of Business Administration by KARAKA SRAVANI, PIN No.211.61E0005 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University

Project Silpervisor

Head of the Department

S Tanakall

Head of the Department of Business and Management Studies



Tel Empellica 2791) []

FER OBOY TOTALK

Chartanya Engineering College

Visikhagurnern Childs

### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON RECRUITEMENT AND SELECTION with Reference to "THE VARUN MOTORS PVT LIMITED.

VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of fluxibles. Administration by BALLI NEERAJA, PIN No.21L61E0006 during the academin war 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree. Diploma associate ship, Fellowship or amiliar life in this Engineerity or in Any other university.

M.P.A.D. A.A.A. Project Supervisor

Mrs. M. PADMALA Head of he Department



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ONPERFORMANCE.

APRAISAL SYMBIOSIS TECHNOLOGIES LTD, VSKP submitted in partial fulfillment for the award of Master of Business Administration by CHIDAMANA RAVIKRAM, PIN No.21L61E0008 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Mrs. M. PADMAJA

Project Supervisor

Mrs. &

Head of the Department

Head of the
Department of Business and
Management Studies



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Chaitanya Engineering College

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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON MUTUAL FUNDS with Reference to "RELIANCE INDUSTRIES LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by CHITTIBOYINA HEMANTH, PIN No.21L61E0009 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

K.JTOTHSNA

Project Supervisor

Head of the Department

Mrs. M.PADMAJA Hend of the Experiment of Business and Management Studies



Lat (Haiffee - Philips Lat (1891) - Philips Chemistres Communication of Engl Visibility (States)

# CERTIFICATE

This is to certify that the project report entitled A STUDY (PC CERFORMANCE APPRAISAL withReference to THEBRIGHASKET PATE FAILED VISAKHAPATNAM" submitted in partial fulfillment for the award of Afaster of Herman-Administration by CHODAV ARAPU LOKESH, PIN No.211.61F0010 during the available year 2021-23 under my guidance and supervision. This reports has two local pervisions previously for the award of any Degree Diploma associate ship. Followship as similar logical this University or in Any other non-versity.

Wester Special

Head of the Desertment

Head Department of Business and Management Studies



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# **CERTIFICATE**

This is to certify that the project report entitled "A STUDY ON Working Capital Management with Reference to "Bharat Heavy Electricals Limited(BHEL), VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by DUNNA PUSHPA, PIN No.21L61E00011 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for e award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

J RATHNA RAO
Project supervisor

Head of the department



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#### **CERTIFICATE**

This is to certify that the project report entitled "A STUDY ON INVENTORY MANAGEMENT with Reference to "THE CHODAVARAM COOPERATIVE SUGARS LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by GANTA. KRISHNA MOUNISH, PIN No.21L61E0012 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma associate ship, Fellowship or similar title in this University or in.

Any other university

ALPADUAJA Project Supervisor Mrs. M. PADMAJA Head of the Department



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON TRAINING AND DEVELOPMENT with reference to SRUJUNA METAL PRODUCTS LTD., VSKP., submitted in partial fulfillment for the award of Master of Business Administration by G. SATYANARAYANA, PIN No.21L61E0013 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma. associate ship, Fellowship or similar title in this University or in any other University.

Project Supervisor

Head of the Department

Head

Department of Business and

Management Studies



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Visakhapatnam - 530048

# **CERTIFICATE**

This is to certify that the project report entitled "A STUDY ON EMPLOYEE JOB SATISFACTION with Reference to "HERITAGE FOOD (INDIA) LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by GUDELA ROHITH, PIN No.21L61E00014 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Project Supervisor

ALAMAJA

Mrs. M. PADMAJA

Head of the Department

S. Tovakal

Head of The

Department of Business and

Management Studies



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON WORKING CAPITAL MANAGEMENT with Reference to "DR.REDDYS LABORATORIES LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by GUJJARI PAVANI, PIN No.21L61E0015during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

K.JYOTHSNA

Project Supervisor

Mrs. M. PADMAJA

Head of the Department



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#### CERTIFICATE

This is to certify that the project report entitled "A STUD ON CASH FLOW STATEMENTS with Reference to "HDFC BANK, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by JAKKI NIKKI MALATHI, PIN No.21L61E0016during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree. Diploma, associate ship, Fellowship or similar title in this University or in any other University.

K.JYOTHSNA Project Supervisor

Mrs.M. PADMAJA Head of the Department



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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON JOB SATISFACTION, SYMBOSIS TECHNOLOGIES, VSKP submitted in partial fulfillment for the award of Master of Business Administration by CHIDAMANA JANSI LAKSHMI, PIN No.21L61E0017 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Project Supervisor

Head of the Department

EXTERNAL

Head of the Department of Business and Management Studies



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON INDUSTRIAL RELATIONS with Reference to "SUJANA METAL PRODUCTS LIMITED VISAKHAPATNAM" submitted in partial fulfillment for award of Mas Administration by JAYAWARAPU VENKAT SAI VARUN, PIN No.21L61E0018 during the academic year 2021-23 under myguidance and supervision. This report has not been submitted previously for theaward of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

M.P.A.D. A.J.A Project Supervisor MEM ABMAJA Head of the department

Head of The

Department of Business and

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Visakhapatnam - 530048

#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON CUSTOMER LOYALTY with Reference to "BHARATH SANCHAR NIGAM LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by KOLLI LEELAVATHI, PIN No.21L61E0019 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Project Supervisor

Head of the Department

Mrs. M. PADMAJA



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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON EMPLOYEE RETENTION STRATEGIES with Reference to "HOTEL DASAPALLA, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by KORLA RANJITHA, PIN No.21L61E0020 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Project Supervisor

Mrs. M. PADMAJA Head of the Department



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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON EMPLOYEE JOB SATISFACTION, GREEN PARK HOTEL& RESORT, VSKP submitted in partial fulfillment for the award of Master of Business Administration by LANKA DHARANI SREE, PIN No.21L61E0021 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Project Supervisor

Project Supervisor

MES.M. PADMAJA

Head of the Department

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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON FINANCIAL RATIO ANALYSIS" with Reference to "TULASI SEEDS PRIVATE LIMITED GUNTUR" submitted in partial fulfillment for the award of Master of Business Administration by SNK VIJAYA TULASI LOLABHATTU, PIN No.21L61E0022 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Project Supervisor

Head of the Department

Head of the Department of Business and Management Studies



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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON TRAINING AND DEVELOPMENT with Reference to "VARUN MOTORS PVT LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by MADDI PRIYANKA, PIN No.21L61E0023 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Mrs MADMAJ. Project Supervisor

Mes. M. PADMAJA Head of the Department

EXTERNAL-EXAMINER

Head of the

Department of Business and

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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON RECRUITMENT AND SELECTION with Reference to "GREEN PARK HOTELS AND RESORTS LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by MARADANA LAVANYA, PIN No.21L61E0025 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship. Fellowship or similar title in this University or in any other University

Project Supervisor

Head of the Department

Mrs. M.PADMAJA
Head
Department of Business and

Management Studies



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# CERTIFICATE

This is to certify that the project report entitled "A STUD ON WORKING CAPITAL MANAGEMENT with Reference to "HDFC BANK, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by DHAKAVARAPU BHAVANI, PIN No.21L61E0026during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

K.JYOTHSNA Project Supervisor

Mrs. MAPADMAJA
Head of the Department

Head of The

Department of Business and

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Visakhapatnam - 530048

### CERTIFICATE

APPRAISAL with Reference to "SRI VIJAYA VISHAK MILK PRODUCERS COMPANY LIMITED VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by NUNNA.SATYA SREE, PIN No.21L61E0028 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this \University or in any other University.

Project Supervisor

Head of the Department

# Chaitanya Engineering College

# Department Of Management Studies

(Approved By AICTE and Affihated to JNIU, Kakinada)

Mrs. M. PADMAJA MCom. MBA. (PbD) Head of the Department TelOffice-0891-2793322



Kommadi, Madhurawada Visakhapatnam-530048 Mobile: 9440311419 Padmija1920/a.jmail.com

#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON FINANCIAL PERFORMANCE ANALYSIS OF PRIVATE BANKS IN INDIA WITH REFERENCE TO HDFC, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by POTHINA MADHUSUDHANA RAO, PIN No.21L61E0031 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Mrs. K. JYOTHSNA Project Supervisor

Mrs. M. PADMAJA Head of the Department



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON RECRUITMENT AND SELECTION with Reference to "BHARATH SANCHAR NIGAM LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by PATOJI LAVANYA, PIN No.21L61E0029 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Mrs. M. PADMAJ.

Mrs MadalAJA Head of the Department



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON RECRUITMENT AND SELECTION WITH Reference to "HINDUSTAN SHIPAYARD LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by NELLI. NEELIMA, PIN No.21L61E0027 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Ma ADMAJA Project Supervisor

Mrs. W. PADMAJA Head of the Department

# Chaitanya Engineering College Department Of Management Studies

(Approved By AR 1F and Affiliated to JNH, Kakinada)

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Head of the Department

#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON PERFORMANCE OF MUTUAL FUNDS WITH REFERENCE TO RELIANCE, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by POTHINA BINDU SAI LAKSHMI, PIN No.21L61E0032 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Mrs. K. JYOTHSNA Project Supervisor

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External Examiner

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# Department Of Management Studies

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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON NON-PERFORMING ASSETS (NPAs) With Reference to THE KANAKAMAHALAKSHMI CO-OPERATIVE BANK LTD., VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by POTHINA VENKATA SIVA SAI BABU, PIN No.21L61E0033 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Mrs. K. JYOTHSNA Project Supervisor

MADMAJA Head of the Department

Head of the

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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON WORKING CAPITAL MANAGEMENT with Reference to "HERO MOTORS COMPANY LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by POTNURI SATYA, PIN No.21L61E0034 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

K.JYOTHSNA Project Supervisor

Head of the Department



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON EMPLOYEE WELFARE MEASURES with reference to "HERITAGE FOODS LIMITED., VSKP., submitted in partial fulfillment for the award of Master of Business Administration by SANAPALA GOVARDHINI, PIN No.21L61E0035 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

Mrs. MOMDMAJA

Project Supervisor

Mrs. M. PADMAJA

Head of the Department

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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON EMPLOYEE JOB SATISFACTION JAYABHERI AUTOMOTIVES PVT LTD, VSKP submitted in partial fulfillment for the award of Master of Business Administration by SHEELA YOGITA, PIN No.211.61E0036 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

K. Lama Kriishna

Project Supervisor

Head of the Department



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#### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON TRAINING AND DEVELOPMENT with Reference to "PEARL BOTLING PVT LTD. VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by SHAIK MUSA, PIN No.21L61E0037 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

MAJA Project Supervisor

Mrs. M. PADMAJA Head of the Department



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# **CERTIFICATE**

This is to certify that the project report entitled "A STUDY ON PERFORMANCE APPRAISAL with Reference to "HINDUSTAN PETROLEUM CORPORATION LIMITED, VISAKHAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by SINAGAM CHANDRA SEKHAR, PIN No.21L61E0038 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Fellowship or similar title in this University or in any other University.

M. MADMAIA
Project Supervisor

Mrs. M. PADMAJA
Head of the Department

#### MIS. M.PADMIAJA

Head of the

Department of Business and

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# CERTIFICATE

This is to certify that the project report entitled "A STUDY ON EMPLOYEE JOB SATISFACTION" with Reference to "SRI SAIRAM'S, RITZ COMFORT VISAKILAPATNAM" submitted in partial fulfillment for the award of Master of Business Administration by MADDILA. SAI RAMA LAXMI, PIN No.211.611-0039 during the academic year 2021-23 under my guidance and supervision. This report has not been submitted previously for the award of any Degree, Diploma, associate ship, Lellowship or similar title in this University or in any other University.

Project Supervisor

Head of the Department

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