



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, NEW DELHI and Affiliated to JNTU, Hyderabad  
Sponsored by TSKPVV Hindu High Schools Committee, Part I, Unit  
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**DEPARTMENT OF CIVIL ENGINEERING**

**List of Students Undertaking project Work with Project Titles**

**Academic Year: 2021-2022**

BATCH NO.	HALL TICKET	NAME OF THE STUDENT	PROJECT TITLE
1	18KT1A0116	ELLIPILLI ALEKHYA	PUSHOVER ANALYSIS OF A RCC RESIDENTIAL BUILDING(G+14)BY USING ETABS SOFTWARE
	19KT5A0112	PAMU BHARATH	
	18KT1A0120	JONNADHULA DURGA SRI CHANDAN	
	18KT1A0142	SHAIK KARISHMA	
	18KT1A0143	SHAIK KARISHMA BEGUM	
2	19KT5A0109	KUMARAN PADMA PRIYA	IOT IN CIVIL ENGINEERING- EXPERIMENTAL EVALUTION OF STRAIN IN HIGH STRENGTH CONCRETE
	19KT5A0107	GOPPANA PADMAVATHI DEVI	
	18KT1A0132	NUTHAKKI NAGA SAI	
	18KT1A0106	BITRA BHANU PRAKASH	
	18KT1A0109	CHINTHAM VENKATA DURGA PRASAD	
3	18KT1A0104	BANDARU BHARAT KRISHNA	DEVELOPING A RECHARGABLE BATTERY MADE UP OF CEMENT- CONCRETE
	19KT5A0103	Bangaru Pravallika Devi	
	18KT1A0128	MODUGU NARASIMHA RAO	
	18KT1A0124	KONATHAM DIVYA NAGASREE	
	18KT1A0144	SK SALMA	
4	19KT5A0115	TATA PANDURANGA RAO	STRENGTH STUDIES ON GEOPOLYMER CONCRETE BY USING GEO-ACTIVATOR
	18KT1A0108	CHILAMAKURI BHARGAV	
	18KT1A0112	DASARI RAJU	
	18KT1A0135	PATNALA ESWARI DURGA	
	18KT1A0114	DONTHAGANI TIRUMALA SAI KUMAR	

5	18KT1A0123	KODISI SANDHYA	TRAFFIC SIGNAL COORDINATION ON SELECTED STRETCH OF ELURU ROAD IN VIJAYAWADA
	18KT1A0117	ETURU POORNA SAI	
	18KT1A0139	RISHITHA SUNKARA	
	19KT5A0102	balusupati venkatesh	
6	18KT1A0136	PEDAPATI BHARATH KUMAR	STUDY OF FLEXURAL BEHAVIOUR & DEFLECTION ON BUBBLE DECK SLAB
	18KT1A0126	LAKKAMRAJU SIVA GAYATRI PRAVALLIKA	
	18KT1A0111	DAPPINA ANILKUMAR REDDY	
	19KT5A0104	Battula Ajay	
	18KT1A0137	PULI VIDYA	
7	19KT5A0106	EEDHI ARUN KUMAR	DYNAMIC ANALYSIS AND DESIGN OF G+6 RESIDENTIAL BUILDING IN ZONE 3 BY USING ETABS SOFTWARE
	19KT5A0105	Dandupati Rakesh	
	18KT1A0129	MOHAMMAD SAYEEDA NUSRATH	
	18KT1A0134	PANDI HIMA BINDU	
	18KT1A0115	EJJADA YASWANTH KUMAR	
	18KT1A0121	KADIYAM VENKATESWARALU	
8	18KT1A0145	UNDI RAMYA LAKSHMI DEEPTHI	FRACTURE FAILURE OF PLAIN CONCRETE BEAMS WITH NOTCH AT CENTRE: AN EXPERIMENTAL STUDY
	19KT5A0110	MEDIDA MARTIN	
	18KT1A0130	MOHAMMED ABDUL AZEER	
	18KT1A0146	VELAYUDAM LEELA PRIYANKA	
	18KT1A0138	PUNUGOTI MAHESH REDDY	
9	18KT1A0118	GUNDLAPALLI PRANEETA	COMPARITIVE STUDY OF MULTISTOREYED BUILDING UNDER DIFFERENT SEISMIC ZONES WITH DIFERENT SOIL CONDITIONS USING STAAD PRO SOFTWARE
	18KT1A0110	DANDIBHOTLA BALA RAMA KRISHNA MURTHY	
	18KT1A0140	SANKILSETTI RANJITH KUMAR	
	19KT5A0111	MUSINADA VIJAYA KUMAR	
	18KT1A0148	YARRAGUNTA SNEHA	
10	18KT1A0119	JAGUPILLA BHARGAVI	DURABILITY STUDIES ON FLY ASH BASED GEOPOLYMER CONCRETE USING ALCCOFINE
	18KT1A0101	ALAVALA SRAVANI	
	19KT5A0116	YARLAGADDA SRILEKHA	
	18KT1A0102	ANNAVARAPU VEDANAGAVYSHNAVI	
	18KT1A0141	SARE NAGA SAI GANESH	
	18KT1A0133	PAMU VENKATA SANDEEP	



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE  
OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)

**RAGHAVAREDDY STREET, KOTHAPET, VIJAYAWADA-520001, AP**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify the main project entitled "**STUDY OF FLEXURAL BEHAVIOUR  
& DEFLECTION ON BUBBLE DECK SLAB**" is a bonified record of work done by

<b>P BHARATH KUMAR</b>	<b>(18KT1A0136)</b>
<b>L S G PRAVALLIKA</b>	<b>(18KT1A0126)</b>
<b>D. ANIL KUMAR REDDY</b>	<b>(18KT1A0111)</b>
<b>B. AJAY</b>	<b>(19KT5A0104)</b>
<b>P. VIDYA</b>	<b>(18KT1A0137)</b>

under the guidance and supervision of **Mr. P. VINAY Assistant Professor** and submitted in partial fulfilment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2021-2022.

*P. Vinay*  
**PROJECT GUIDE**

*G. Sankar*  
**HEAD OF THE DEPARTMENT**

*B. Sankar* 23/6/21  
**EXTERNAL EXAMINER**  
P. S. RAO  
POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
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**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF  
ENGINEERING & TECHNOLOGY**



**CERTIFICATE**

This is to certify that main project entitled **"DYNAMIC ANALYSIS AND DESIGN OF G+6 RESIDENTIAL BUILDING IN ZONE III BY USING ETABS SOFTWARE"** being submitted for the partial fulfilment of the requirements for the award of bachelor of technology in **CIVIL Engineering** by **Jawaharlal Nehru Technological Kakinada**, is a bonafide work done by

<b>E. ARUN KUMAR</b>	<b>(19KT5AO106)</b>
<b>D.RAKESH</b>	<b>(19KT5A0105)</b>
<b>MD.SAYEEDA</b>	<b>(18KT1A0129)</b>
<b>P. HIMA BINDU</b>	<b>(18KT1A0134)</b>
<b>E. YASWANTH</b>	<b>(18KT1A0115)</b>
<b>K. VENKATESWARLU</b>	<b>(18KT1A0121)</b>

under guidance during the academic year 2021-2022 and is has been found suitable for acceptance according to the requirement of the university.

*B. S. Thrinayani 23/6/22*  
Mrs. B. Thrinayani, MTech  
Assistant professor  
**PROJECT GUIDE**

*G. Santhanam*  
Mr. G. Santhanam MTech (PhD)  
**HEAD OF THE DEPARTMENT**

*B. Santh 23/6/22*  
**EXTERNAL EXAMINER**

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**RAGHAVAREDDY STREET, KOTHAPET, VIJAYAWADA-520001, AP**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify the main project entitled **"FRACTURE FAILURES OF PLAIN CONCRETE BEAMS WITH NOTCH AT CENTRE: AN EXPERIMENTAL STUDY"** is a bonified record of work done by

**U.RAMYA LAKSHMI DEEPTHI (18KT1A0145)**

**M.MARTIN (19KT5A0110)**

**MD.ABDUL AZEEZ (18KT1A0130)**

**V.LEELA PRIYANKA (18KT1A0146)**

**P.MAHESH REDDY (18KT1A0138)**

Under the guidance and supervision of **Mrs. V.LAKSHMI PUJITHA, Assistant Professor** and submitted in partial fulfillment of the requirement for the award of **BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the academic year **2021-2022**.

*V.L. Poojitha*  
**PROJECT GUIDE**

*G. Sankar*  
**HEAD OF THE DEPARTMENT**

*B. Sankar 23/6/22*  
**EXTERNAL EXAMINER**

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RAGHAVAREDDY STREET, KOTHAPET, VIJAYAWADA-520001, AP

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify the main project entitled "**COMPARITIVE STUDY OF MULTI STOREYED BUILDING UNDER DIFFERENT SEISMIC ZONES WITH DIFFERENT SOIL CONDITIONS USING STAAD PRO SOFTWARE**" is a bonafied record of work done by

<b>G PRANEETA</b>	<b>(18KT1A0118)</b>
<b>D BALA RAM KRISHNA MURTHY</b>	<b>(18KT1A0110)</b>
<b>S RANJITH KUMAR</b>	<b>(18KT1A0140)</b>
<b>M VIJAY KUMAR</b>	<b>(19KT5A0111)</b>
<b>Y SNEHA</b>	<b>(18KT1A0148)</b>

under the guidance and supervision of **Mr. P. VINAY, Assistant Professor** and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2021-2022.

*P. Vinay*  
**PROJECT GUIDE**

*G. Sankar*  
**HEAD OF THE DEPARTMENT**

*B. Sankar 23/6/22*  
**EXTERNAL EXAMINER**

*M. Sankar*  
**PRINCIPAL**

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**RAGHAVAREDDY STREET, KOTHAPET, VIJAYAWADA-520001, A.P.**

**DEPARTMENT OF CIVIL ENGINEERING**

**CERTIFICATE**



This is to certify that main project entitled is a "**DURABILITY STUDIES ON FLY ASH  
BASED GEOPOLYMER CONCRETE USING ALCCOFINE**" bonafied record of work  
done by

**J. BHARGAVI**

**(18KT1A0119)**

**A. SRAVANI**

**(18KT1A0101)**

**Y. SRILEKHA**

**(19KT5A0116)**

**A. VEDA NAGA VYSHNAVI**

**(18KT1A0102)**

**S. NAGA SAI GANESH**

**(18KT1A0141)**

**P. VENKATA SANDEEP**

**(18KT1A0133)**


Under the guidance and supervision of **Mrs. S. Snigdha Assistant professor** and submitted  
in partial fulfilment of the requirements for the award of bachelors of technology in **CIVIL  
ENGINEERING** by Jawaharlal Nehru technological University, Kakinada during the  
academic year of 2021-2022.

  
**Mrs. S. Snigdha**

Project Guide

  
Head of the Department

  
External Examiner

  
PRINCIPAL  
Potti Sriramulu Chalavadi Mallikarjuna Rao  
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POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF  
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RAGHAVAREDDY STREET, KOTHAPET, VIJAYAWADA-520001, AP

DEPARTMENT OF CIVIL ENGINEERING



**CERTIFICATE**

This is to certify the main project entitled "COMPUTATION OF CROP SPECTRAL INDICES USING GOOGLE EARTH ENGINE MACHINE LEARNING TOOLS UNDER STUDY AREA OF SARDAR SAROVAR PROJECT" is a bonafied record of work done by

A. Ramesh Babu (19KT5A0101)

B. Pushya Sree Goud (18KT1A0107)

K. Bindu Mounika (18KT1A0122)

K. Murali (19KT5A0108)

M. Bhanu Chandra (18KT1A0127)

under the guidance and supervision of Mr.P. VINAY Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2021-2022.

*P. Vinay*  
PROJECT GUIDE

*G. Sankar*  
HEAD OF THE DEPARTMENT

*B. Sankar* 23/6/22  
EXTERNAL EXAMINER

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Potti Sriramulu Chalavadi Mallikarjuna Rao  
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Kothapet, VIJAYAWADA-520 001

11	19KT5A0101	Akula Ramesh Babu	COMPETITON OF CROP SPECTRAL INDICES USING GOOGLE EARTH MACHINE LEARNING TOOLS UNDER STUDY AREA OF SARDAR SAROVAR PROJECT
	18KT1A0107	BOLLA PUSHYA SREE GOUD	
	18KT1A0122	KANAJAM BINDU MOUNIKA	
	19KT5A0108	KAGGA MURALI	
	18KT1A0127	MARTHULA BHANU CHANDRA REDDY	

*G. Senthil*

Head of the department

HOD CIVIL DEPT.  
Potti Srimulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Vijayawada-520 001

*[Signature]*

Principal

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**KOTHAPET, VIJAYAWADA-520001**

**2021-2022**

**CERTIFICATE**



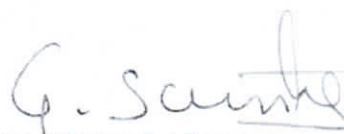
This is to certify that the project entitled "**PUSHOVER ANALYSIS OF A  
RCC RESIDENTIAL BUILDING (G+14) BY USING ETABS**

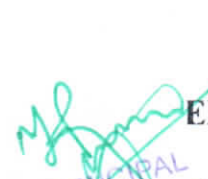
**SOFTWARE** submitted by


<b>E. ALEKHYA</b>	<b>(18KT1A0116)</b>
<b>P. BHARATH</b>	<b>(19KT5A0112)</b>
<b>J. DURGA SRI CHANDAN</b>	<b>(18KT1A0120)</b>
<b>SK. KARISHMA</b>	<b>(18KT1A0142)</b>
<b>SK. KARISHMA BEGUM</b>	<b>(18KT1A0143)</b>

Under the guidance and supervision of **Mrs. SNIGDHA Assistant professor** and submitted in partial fulfilment of the requirement for the award of bachelors of technology in **CIVIL Engineering** by Jawaharlal Nehru technological university Kakinada during the academic year 2021-2022

  
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**HEAD OF DEPARTMENT**

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
Pottisriramulu Chalavathi Mallikarjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



# **IOT IN CIVIL ENGINEERING-EXPERIMENTAL EVALUATION OF STRAIN IN HIGH STRENGTH CONCRETE**

**A project report submitted in partial fulfillment of requirement for award of degree of  
BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

**Submitted By**

**K. PADMA PRIYA (19KT5A0109)**

**G. PADMAVATHI (19KT5A0107)**

**N. NAGA SAI (18KT1A0132)**

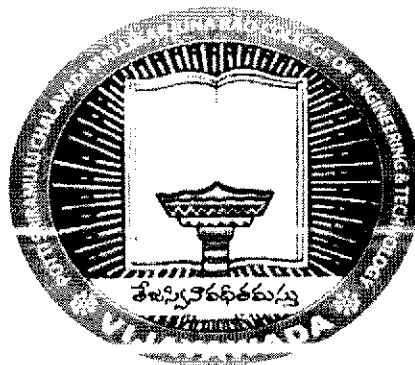
**B. BHANU PRAKASH (18KT1A0106)**

**CH. V. DURGA PRASAD (18KT1A0109)**

**Under the guidance of**

**Ms. D. JAHNAVI, (M. Tech)**

**Assistant Professor**



**DEPARTMENT OF CIVIL ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**RAGHAVAREDDY STREET, KOTHAPET, VIJAYAWADA-520001, AP,**

**2018-2022**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE  
OF ENGINEERING & TECHNOLOGY**

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RAGHAVAREDDY STREET, KOTHAPET, VIJAYAWADA-520001, AP

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify the main project entitled **“DEVELOPING A RECHARGEABLE BATTERY MADE UP OF CEMENT-CONCRETE”** is a bonafied record of work done by

<b>B. BHARAT KRISHNA</b>	<b>18KT1A0104</b>
<b>B. PRAVALLIKA DEVI</b>	<b>19KT5A0103</b>
<b>M. NARASIMHA RAO</b>	<b>18KT1A0128</b>
<b>K. DIVYA NAGA SREE</b>	<b>18KT1A0124</b>
<b>SK. SALMA</b>	<b>18KT1A0144</b>

under the guidance and supervision of **Mrs.V. Lakshmi Pujitha Assistant Professor** and submitted in partial fulfilment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year **2021-2022**.

*V.L. Pujitha*  
**PROJECT GUIDE**

*G. Sankar*  
**HEAD OF THE DEPARTMENT**

*B. Sarath* 23/6/22  
**EXTERNAL EXAMINER**

*[Signature]*  
**PRINCIPAL**  
Potti Sriramulu Chalavadi Mallikarjuna Rao  
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**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE  
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RAGHAVAREDDY STREET, KOTHAPET, VIJAYAWADA-520001, AP

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify the main project entitled "**STRENGTH STUDIES ON GEOPOLYMER CONCRETE BY USING GEO-ACTIVATOR**" is a bonafied record of work done by

**T. Pandu Ranga Rao (19KT5A0115)**


**C. Bhargav (18KT1A0108)**

**D. Raju (18KT1A0112)**

**P. Eswari Durga (18KT1A0135)**

**D.T. Sai Kumar (18KT1A0114)**

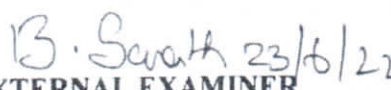
under the guidance and supervision of **Mrs. S. SNIGDHA, Assistant Professor** and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **Civil Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year **2021-2022**.

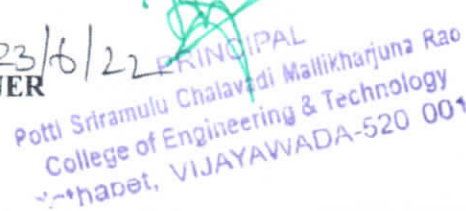
  
**Mrs. S. SNIGDHA**

**(PROJECT GUIDE)**

  
**Mr. G. SANTHANAM**

**(HEAD OF THE DEPARTMENT)**

  
**B. Sarath 23/6/22**  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
**Potti Sriramulu Chalavadi Mallikarjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001**

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO**

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)

**RAGHAVAREDDY STREET, KOTHAPETA, VIJAYAWADA-520001, A.P.**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that main project entitled "**Traffic Signal Coordination on Selected Stretch of Eluru road in Vijayawada**" is a Bonafied record of work done by

Submitted by

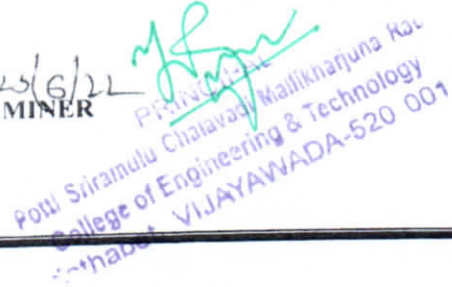
<b>K SANDHYA</b>	<b>(18KT1A0123)</b>
<b>E POORNA SAI</b>	<b>(18KT1A0117)</b>
<b>S RISHITHA</b>	<b>(18KT1A0139)</b>
<b>B VENKATESH</b>	<b>(19KT5A0102)</b>

Under the guidance and supervision of **Mrs.V.L.Pujitha.,M.Tech.,(Ph.D)** Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of Technology in **CIVIL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the academic year of **2021-2022**.

  
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**HEAD OF THE DEPARTMENT**

  
**EXTERNAL EXAMINER**

  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapeta, VIJAYAWADA-520 001







**PSCMR COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Department of Electrical and Electronics Engineering

**PROJECT BATCHES**  
ACADEMIC YEAR: 2021-2022  
IV YEAR II SEM

S NO	BATCH NUMBER	PROJECT ASSOCIATES				GUIDE ALLOTTED
1	BATCH 1	18KT1A0222	19KT5A0207	19KT5A0210	19KT5A0217	Mr.M.Srikanth
2	BATCH 2	18KT1A0235	18KT1A0202	18KT1A0224	18KT1A0238	Mrs.Y.Lalitha
3	BATCH 3	18KT1A0229	18KT1A0231	19KT5A0212	18KT1A0208	Mrs. A Sai Pallavi
4	BATCH 4	18KT1A0218	18KT1A0217	18KT1A0204	19KT5A0216	Mrs.R.Jaya Lakshmi
5	BATCH 5	18KT1A0220	18KT1A0214	18KT1A0228	18KT1A0236	Mr.M.Srikanth
6	BATCH 6	18KT1A0215	18KT1A0207	19KT5A0202	19KT5A0201	Mr.B.Jyotsna
7	BATCH 7	19KT5A0214	18KT1A0232	18KT1A0211	18KT1A0210	Mrs.B.Swarupa Rani
8	BATCH 8	18KT1A0213	19KT5A0215	18KT1A0241	18KT1A0216	Mr.N.Saida Naik
9	BATCH 9	19KT5A0205	18KT1A0205	19KT5A0211	18KT1A0206	Mr.A.Sekhar Sunil
10	BATCH 10	18KT1A0203	18KT1A0227	18KT1A0234	19KT5A0203	Mr.A.Sekhar Sunil
11	BATCH 11	18KT1A0223	18KT1A0226	19KT5A0206	18KT1A0225	Mrs. A Sai Pallavi
12	BATCH 12	18KT1A0221	19KT5A0213	18KT1A0230	19KT5A0204	Dr .Y. Rajendra Babu
13	BATCH 13	18KT1A0239	19KT5A0209	18KT1A0233	18KT1A0209	Mr.K.Srinivas
14	BATCH 14	18KT1A0237	18KT1A0219	18KT1A0212	19KT5A0208	Dr .Y. Rajendra Babu

  
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



**CERTIFICATE**

This is to certify that main project titled **"PERFORMANCE ANALYSIS OF STANDALONE PV SYSTEM USING PSO & CUCKOO MPPT TECHNIQUES"** is a bonafide record of work done by

**K. LEELA VENKATA SAI KUMAR (18KT1A0220)**

**G.V.S.K. TARUN (18KT1A0214)**

**M. RAMA NARASIMHA SWAMY (18KT1A0228)**

**SK. SAHERA BHANU (18KT1A0236)**

Under the guidance and supervision of Mr. M. Srikanth and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2021-2022

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This is certify that main project titled "CONTROLLING OF PV FED BLDC MOTOR USING LION OPTIMIZATION ALGORITHM" is a bonafide record of work done by

<b>G.MOHIT</b>	<b>(18KT1A0215)</b>
<b>CH.SAI RAGHAVENDRA</b>	<b>(18KT1A0207)</b>
<b>D.DURGA NAGA SAI</b>	<b>(19KT5A0201)</b>
<b>G.VIJAY BABU</b>	<b>(19KT5A0202)</b>

Under the guidance and supervision of **Mrs . B . JYOSTNA** and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2021-2022

  
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This is certify that main project titled "APPLICATION OF ANN BASED UPQC FOR POWER QUALITY ENHANCEMENT IN SMART GRID" is a bonafide record of work done by

<b>S. HEMAMBICA</b>	<b>(19KT5A0214)</b>
<b>P. KEERTHANA</b>	<b>(18KT1A0232)</b>
<b>D. APARNA</b>	<b>(18KT1A0211)</b>
<b>D. CHANDRA SEKHAR</b>	<b>(18KT1A0210)</b>

Under the guidance and supervision of **MRS.B.SWARUPA RANI** and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2021-2022

  
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This is to certify that the main project titled **"IMPLEMENTATION OF SVM BASED INTERLEAVED DC-DC CONVERTER FOR MULTI-DIRECTIONAL EV CHARGING"** is a bonafide record of work done by

<b>D.CHARITHA SRI</b>	<b>(18KT1A0213)</b>
<b>S.SOWJANYA RANI</b>	<b>(19KT5A0215)</b>
<b>YUVRAJ KUMAR SINGH</b>	<b>(18KT1A0241)</b>
<b>J.NAVEEN KUMAR</b>	<b>(18KT1A0216)</b>

Under the guidance and supervision of **Mr. N.SAIDA NAIK** and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2021-2022.

*N. S. Saida Naik*  
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*M. S. Sridhar*  
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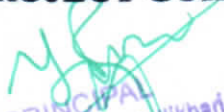
**CERTIFICATE**

This is to certify that the main project titled, "SVM based 31-Level Multilevel Converter with Reduce Switch Count" is a bonafide record of work done by

<b>K. PEEYUSH</b>	<b>(19KT5A0205)</b>
<b>A. JYOTHSNA PRIYA</b>	<b>(18KT1A0205)</b>
<b>B. DOONDI MOHAN KRISHNA</b>	<b>(18KT1A0206)</b>
<b>P. SURESH</b>	<b>(19KT5A0211)</b>

Under the guidance and supervision of Mr. A. SEKHAR SUNIL and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2021-2022

  
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This is certify that main project titled "FUZZY BASED STATCOM CONTROLLER TO GRID CONNECTED WIND ENERGY SYSTEM FOR POWER QUALITY IMPROVEMENT" is a bonafied record of work done by

<b>A. H. V. S. D. N. LAKSHMI</b>	<b>(18KT1A0203)</b>
<b>MD. MUSKAAN NAAZ</b>	<b>(18KT1A0227)</b>
<b>RABIA KHAN</b>	<b>(18KT1A0234)</b>
<b>K. CHIRANJEEVI</b>	<b>(19KT5A0203)</b>

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*A. Sri Deep*  
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This is to certify that main project titled "A CUCKOO MPPT BASED SLIDING MODE CONTROL FOR GRID TIED PV SYSTEM" is a bonafide record of work done by

<b>M.APARNA</b>	<b>(18KT1A0223)</b>
<b>M.NAGA SAI</b>	<b>(18KT1A0226)</b>
<b>M.GANESH</b>	<b>(18KT1A0225)</b>
<b>K. SAI KRISHNA</b>	<b>(19KT5A0206)</b>

Under the guidance and supervision of Mrs. A. Sai Pallavi and submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2021-2022

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This is to certify that the main project titled "PERFORMANCE ANALYSIS OF PSO  
BASED SEPIC CONVERTER FOR SRM DRIVE" is a bonafide record of work  
done by

**K. KAIVALYA**

**(18KT1A0221)**

**S. SANDHYA**

**(19KT5A0213)**

**N. YAAJNAVALKYA**

**(18KT1A0230)**

**K. SWAMI NAIDU**

**(19KT5A0204)**

Under the guidance and supervision of Dr. Y. RAJENDRA BABU and submitted in  
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This is to certify that the main project titled **“DESIGN AND ANALYSIS OF SVM  
BASED DC-DC CONVERTER FOR ELECTRIC VEHICLE”** is a bonafide record  
of work done by

<b>V. HEMA LAVANYA</b>	<b>(18KT1A0239)</b>
<b>M. VENU GOPAL</b>	<b>(19KT5A0209)</b>
<b>P. SAI TEJA</b>	<b>(18KT1A0233)</b>
<b>D. SRAVAN KUMAR</b>	<b>(18KT1A0209)</b>


Under the guidance and supervision of Mr. K. SRINIVAS and submitted in partial  
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This is certify that main project titled **"IMPLEMENTATION OF ANFIS  
CONTROLLER TO IMPROVE HYBRID SYSTEM RELIABILITY"**  
is a bonafide record of work done by

<b>T.NAGA VIMALA</b>	<b>(18KT1A0237)</b>
<b>K.JAHNAVI</b>	<b>(18KT1A0219)</b>
<b>D.SOWMYA</b>	<b>(18KT1A0212)</b>
<b>M.GOPALA RAO</b>	<b>(19KT5A0208)</b>

Under the guidance and supervision of **Dr.Y.RAJENDRA BABU** and submitted  
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This is to certify that main project titled "IMPLEMENTATION OF ANFIS CONTROLLER TO IMPROVE THE PERFORMANCE OF A GRID CONNECTED PHOTOVOLTAIC SYSTEM" is a bonafied record of work done by

**M. JAHNAVI** (18KT1A0222)

**M. LEKHYA SRI** (19KT5A0207)

**N.N.V. SAMBA SIVA SAI** (19KT5A0210)

**V. PRAVEEN KUMAR** (19KT5A0217)

Under the guidance and supervision of Mr.M.SRIKANTH and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2021-2022

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**CERTIFICATE**

This is to certify that main project titled "DESIGNING OF 21 – LEVEL  
CASCADED H – BRIDGE CONVERTER USING SVM TECHNIQUE" is a  
bonafide record of work done by

<b>R. PRAVEEN KUMAR</b>	<b>(18KT1A0235)</b>
<b>A. MANOJ KUMAR</b>	<b>(18KT1A0202)</b>
<b>M. ANJALI</b>	<b>(18KT1A0224)</b>
<b>T. NAVYA MADHURI</b>	<b>(18KT1A0238)</b>

Under the guidance and supervision of Mr. P. SUBHANI KHAN and submitted in  
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**P. S. Khan**  
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This is certify that main project titled **"CONTROLLING OF ELECTRICAL VEHICLE CHARGING CONDITIONS USING PV BASED MMPC"** is a bonafide record of work done by

<b>M.YUVASANDHYA</b>	<b>(18KT1A0229)</b>
<b>N.JHANSI LAKSHMI</b>	<b>(18KT1A0231)</b>
<b>S.SRINIVASA RAO</b>	<b>(19KT5A0212)</b>
<b>CH.MADHAVA REDDY</b>	<b>(18KT1A0208)</b>

Under the guidance and supervision of Mrs.A.SAI PALLAVI and submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2021-2022

*Sai Pallavi A.*  
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This is to certify that main project titled "IMPLEMENTATION OF PV  
BASED ELECTRIC VEHICLE BATTERY CHARGER WITH  
VEHICLE-TO-GRID CAPABILITY" is a bonafied record of work done  
by

<b>K. JAGRUTHI</b>	<b>(18KT1A0218)</b>
<b>K. LAKSHMI JAHNAVI</b>	<b>(18KT1A0217)</b>
<b>A. NIRUPAMA</b>	<b>(18KT1A0204)</b>
<b>V. MURALI NAIK</b>	<b>(19KT5A0216)</b>

Under the guidance and supervision of Mrs. R. JAYALAKSHMI and  
submitted in partial fulfilment of the requirement for the award degree of  
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**DEPARTMENT OF MECHANICAL ENGINEERING**

**A-SECTION PROJECT DOCUMENTATION**

S.No.	Register No.	Name of Students	Project Title	Batch No.	Guide Name
1	18KT1A0304	Jaggavarapu Sravan Kumar Reddy	<b>DESIGN AND THERMAL ANALYSIS OF IC ENGINE CAM SHAFT</b>	<b>I</b>	<b>Dr. Md. ABID ALI</b>
2	18KT1A0320	Bonthu Pramod			
3	18KT1A0339	Chillapalli Bhanu Teja			
4	18KT1A0344	Kanna Sai Durga Sandeep			
5	18KT1A0351	Saikam Bhanu Prasad			
6	18KT1A0302	Manne Aswini	<b>SURFACE ROUGHNESS OF FDM PARTS AFTER POST PROCESSING WITH ACETON VAPOUR BATH SMOOTHING PROCESS</b>	<b>II</b>	<b>Ms. N.V. MALAVIKA</b>
7	18KT1A0308	Samudrala Lokesh			
8	18KT1A0309	Ponnada Vamsi			
9	18KT1A0319	Damarla Prem Kumar			
10	18KT1A0328	Gundu Dheeraj Koti			
11	18KT1A0330	Sikhakolli Pradeep Kumar	<b>DESIGN AND ANALYSIS OF SHOCK ABSORBERS</b>	<b>III</b>	<b>Mr. D. PRASAD</b>
12	18KT1A0310	Shail Mohisin Ali			
13	18KT1A0316	Rajagiri Jyothish Naga Vara Prasad			
14	18KT1A0343	Adithya Mishra			
15	18KT1A0346	Dontha Nagasiva Sai			
16	18KT1A0357	Puli Chitti Babu	<b>DESIGN AND ANALYSIS OF COMPOSITE LEAF SPRING</b>	<b>IV</b>	<b>Mr. K. SURENDRA BABU</b>
17	18KT1A0344	Bhardwaj			
18	18KT1A0311	Dirisala Sai Babu			
19	18KT1A0317	Sayyad Khajahussen			
20	18KT1A0334	Pedapati Arun Kumar			
21	18KT1A0359	Pasupuliti Sai Kumar	<b>PICK AND PLACE ROBOTIC VEHICLE DRIVEN BY SOLAR ENERGY</b>	<b>V</b>	<b>Ms. CHANDRIKA VALE</b>
22	18KT1A0306	Boddu Vamsi Krishna			
23	18KT1A0312	Arja Manideep			
24	18KT1A0337	Madhavarasuranga Venkata Adithyavardhansharma			
25	18KT1A0340	Karampudi Venkata SMJ Kumar			
26	18KT1A0341	Avala Surya Narayana	<b>THERMAL ANALYSIS OF ROTAR BLADE WITH THE VARIATION OF HOLES BY USING FEA TOOLS</b>	<b>VI</b>	<b>Mr. T. VIJAY SRIHARSHA</b>
27	18KT1A0305	Yakkala Roop Sagar			
28	18KT1A0321	Ponnuru Naga Yugandhar			
29	18KT1A0329	Sayyad Moinuddin			
30	18KT1A0331	Syed Mahaboob Subhani			

31	18KT1A0333	Guntakala Sai Kumar	<b>EFFECT OF PROCESS PARAMETERS ON TENSILE STRENGTH OF FDM PRINTED POLY CARBONATE PART.</b>	<b>VII</b>	<b>Ms. N.V. MALAVIKA</b>
32	18KT1A0301	Madigaboyina Ya			
33	18KT1A0315	Mopidevi Rajesh			
34	18KT1A0323	Padmasolala Venkata Manikanta Kumar			
35	18KT1A0362	Cherukuri Anil Kumar			
36	18KT1A0366	Singamsetty Sai Kalyan	<b>DESIGN AND ANALYSIS OF DIFFERENTIAL GEAR BOX</b>	<b>VIII</b>	<b>Mr. K. BALU NARENDRA</b>
37	18KT1A0307	Munagala Bala Praveen			
38	18KT1A0313	Thiruveedula Naga Venkata Surya Pavan			
39	18KT1A0324	Nelluri Venkata Prasad			
40	18KT1A0348	Pallanthi Nikhil			
41	18KT1A0356	Sankabattula Vamsi	<b>DESIGN AND ANALYSIS OF SINGLE PLATE CLUTCH</b>	<b>IX</b>	<b>Mr. T. RAJA RAO</b>
42	18KT1A0303	Ravuri Keerthi			
43	18KT1A0314	Koutharapu Sai Balaji			
44	18KT1A0327	Nayani Bhaskar			
45	18KT1A0361	Kuruella Kumar Venkata Leela Rao			
46	18KT1A0318	Kilimi Kishore	<b>TOPOLOGY OPTIMIZATION OF VEHICLE BODY STRUCTURE FOR IMPROVED RIDE AND HANDLING.</b>	<b>X</b>	<b>Mr. T. VIJAY SRIHARSHA</b>
47	18KT1A0335	Srikakolapu V V Ranganayakulu			
48	18KT1A0336	Gundu Vinay Kumar			
49	18KT1A0350	Cingamsetti Santosh			
50	18KT1A0354	Panganamala Sai Ranga Shanmukha Rao			
51	18KT1A0322	Pabbiseti Srinivasa Rao	<b>FEM ANALYSIS OF COMPOSITE CFRP POLYMER BUMPER IN HEAVY VEHICLE</b>	<b>XI</b>	<b>Mr. D. PRASAD</b>
52	18KT1A0325	Korraparti Sai Balaji			
53	18KT1A0345	Dontha Venkata Naga Sai Kumar			
54	18KT1A0347	Iragala Narendra			
55	18KT1A0349	Battu Naga Sravan Kumar			



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**B - SECTION PROJECT TITLES**

Sl. No.	Register No.	Name of Students	Project Title	Batch No.	Guide Name
1	19KT5A0302	B V Sai Siva Kalyan	GEOMETRIC TOLERANCE AND MANUFACTURING ASSEMBLILITY ESTIMATION OF METAL ADDITIVE MANUFACTURING PROCESSES	I	Ms. N.V. MALAVIKA
2	19KT5A0303	Battula Sai Durga Prasad			
3	19KT5A0305	Bobbili Yaswanth			
4	19KT5A0320	Kanchi Sanjeev Nishanth			
5	19KT5A0329	Malapati Venkata Ravi			
6	19KT5A0301	A Yashwanth Uma Shankar	DESIGN AND ANALYSIS OF FLYWHEEL USING DIFFERENT MATERIALS	II	Dr. Md. ABID ALI
7	19KT5A0308	Dasari Pavan Kumar			
8	19KT5A0315	K Phani Ravindra			
9	19KT5A0331	M Durga Siva Sai			
10	19KT5A0348	S Vinod Kumar			
11	19KT5A0313	G Chakravarthy	STATIC AND IMPACT ANALYSIS OF A COMPOSITE ENGINE HOOD ASSEMBLY FOR IMPROVED CHARACTERISTICS	III	Mr. T. VIJAY SRIHARSHA
12	19KT5A0321	K Hemanth Kumar			
13	19KT5A0323	Kola Veerendra Babu			
14	19KT5A0324	Kolla Gopi Kishore			
15	19KT5A0336	Mohammad Akbar Ali			
16	19KT5A0317	K Vijaya Durga Prasad	CFD ANALYSIS OF ELBOW PIPE, ITS APPLICATIONS AND IMPORTANCE IN INDUSTRIAL PURPOSE	IV	Mr. T. RAJA RAO
17	19KT5A0318	Kaley John Peter			
18	19KT5A0335	Meduri Avinash			
19	19KT5A0339	Palla Satish Babu			
20	19KT5A0342	Pattan Amjad Vali Khan			
21	19KT5A0310	Ganta Prasanth	DESIGN AND ANALYSIS OF SHELL AND TUBE HEAT EXCHANGER	V	Mr. D. PRASAD
22	19KT5A0311	G Venkata Sai Teja			
23	19KT5A0314	Jakkula Mahesh			
24	19KT5A0322	Kasani Durga Sai Kumar			
25	19KT5A0354	Tutika Paramesh			



26	19KT5A0307	Chinthala Dheeraj	THERMAL ANALYSIS ON AUTOMOBILE RADIATOR BY USING ANSYS	VI	Ms. CHANDRIKA VALE
27	19KT5A0332	Marrapu Rahul			
28	19KT5A0333	Marthi Giridhar			
29	19KT5A0338	Nadella Thanu Venkat			
30	19KT5A0344	P R Bala Subrahmanyam			
31	19KT5A0306	C B M Sai Durga Prasad	EXPERIMENTAL ANALYSIS OF DIESEL ENGINE USING BLENDED FUEL AND NANU PARTICLES AS AN ADDITIVE	VII	Mr. D. PRASAD
32	19KT5A0312	Gorre Jagadeesh			
33	19KT5A0326	Lingam Vasanth Kumar			
34	19KT5A0327	Maddasani Nitesh			
35	19KT5A0340	Pandu Manikanta			
36	19KT5A0309	Domathoti Raju	FABRICATION OF FRICTIONLESS BREAKING SYSTEM	VIII	Mr. K. SURENDRA BABU
37	19KT5A0319	Kalla Suresh			
38	19KT5A0334	Md Basheer Ahamad			
39	19KT5A0337	Muhammed Masood Sharief			
40	19KT5A0347	Routhu Upendra Naidu			
41	19KT5A0328	Magam Sandeep	A MATERIAL REMOVAL RATE ON CNC MACHINE	IX	Mr. K. BALU NARENDRA
42	19KT5A0345	Potnuri Nava Teja			
43	19KT5A0346	R S K Pavan Kalayan			
44	19KT5A0349	Shaik Afzaan Azeez			
45	19KT5A0352	Shaik Sameer Basha			
46	19KT5A0304	B Murali Krishna	COMPARISION THE EFFICIENCY OF SHELL AND TUBE AND HEAT PIPE AND CHEVRON TYPE HEAT EXCHANGER USING ANSYS	X	Mr. T. VIJAY SRIHARSHA
47	19KT5A0350	Shaik Ejaaj Ahammed			
48	19KT5A0351	Shaik Ibrahim Baig			
49	19KT5A0356	Vuyyuru Karunakar Rao			
50	19KT5A0357	Yerninti Naveen			
51	19KT5A0316	K Ravi Teja	FABRICATION OF SOLAR SEED SOWING MACHINE	XI	Mr. K. SURENDRA BABU
52	19KT5A0325	Koppaka Raghavendra			
53	19KT5A0330	Manda Chandra Kumar			
54	19KT5A0341	Patnala Siva			
55	19KT5A0343	Pilla Phani Bhargav			
56	19KT5A0355	V Ajay Kumar			

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Kothapeta, Vijayawada-520001, ANDHRA PRADESH



**CERTIFICATE**

This is to certify that the project work “**DESIGN AND THERMAL ANALYSIS OF I.C ENGINE CAMSHAFT**” is the bonafide work carried out by

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<b>K.SAI DURGA SANDEEP</b>	<b>18KT1A0344</b>
<b>S.BHANU PRASAD</b>	<b>18KT1A0351</b>

Under the guidance of **Dr. Md. Abid Ali M.Tech, Ph.D**, Head of the Department submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in **MECHANICAL ENGINEERING** by JNTUK during the academic year 2021-2022.

  
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**Dr. Md. Abid Ali M.Tech, Ph.D.**

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This is Certify that the module of Design / fabrication entitled "**SURFACE ROUGHNESS FOR PRIMITIVE GEOMETRIES IN FDM PROCESS AND ANALYSING THEM BEFORE AND AFTER ACETONE VAPOUR BATH TREATMENT**" is a bonafied record of work carried out by

<b>P. VAMSI</b>	<b>18KT1A0309</b>
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<b>M. ASWINI</b>	<b>18KT1A0302</b>
<b>D. PREM KUMAR</b>	<b>18KT1A0319</b>
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This is to certify that the project report entitled "design and steady state structural analysis of a single plate clutch" that is being submitted for the partial fulfillment of degree on **Bachelor of Technology in Mechanical Engineering to JNTUK, Kakinada** is a bonafide work done by

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**R. KEERTHI**

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**K. KUMAR**

**18KT1A0361**

during the academic year 2021-2022 and it has been found worthy of acceptance according to the requirement of university

  
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This is to certify that this project report entitled "TOPOLOGY OPTIMIZATION OF VEHICLE BODY STRUCTURE FOR IMPROVED RIDE AND HANDLING" Is a bonafide record of work carried out by

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<b>G.VINAY KUMAR</b>	<b>18KT1A0336</b>
<b>P.S.R. SHANMUKHA RAO</b>	<b>18KT1A0354</b>

Submitted in partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering in Mechanical Engineering during the academic year **2021-2022**

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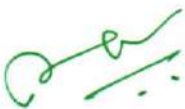
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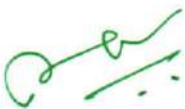
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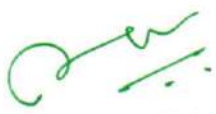
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<b>A.SURYA NARAYANA</b>	<b>18KT1A0341</b>
<b>K.VENKATA S M J KUMAR</b>	<b>18KT1A0340</b>

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Is a bonafide record of work being submitted by

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Under the guidance of **Sri. T. VIJAY SRI HARSHA**, Assistant professor submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in **MECHANICAL ENGINEERING** by JNTUK during the academic year 2021-2022

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OF SHOCK ABSORBER**" Is a bonafide record of work carried out by

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<b>ADITHYA MISHRA</b>	<b>18KT1A0343</b>
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<b>P.CHITTI BABU</b>	<b>18KT1A0357</b>

Submitted in partial fulfillment of the requirement for the award of Degree of  
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This is to certify that this project report entitled “**DESIGN AND ANALYSIS OF COMPOSITE LEAF SPRING**” Is a bonafide record of work carried out by

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<b>SD.KHAJAHUSSEN</b>	<b>18KT1A0317</b>
<b>P.SAI KUMAR</b>	<b>18KT1A0359</b>
<b>P.BHARADWAJ</b>	<b>16KT1A0344</b>

Submitted in partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering in Mechanical Engineering during the academic year **2021-2022**

  
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<b>K.SAI BALAJI</b>	<b>18KT1A0325</b>
<b>P.SRINIVAS</b>	<b>18KT1A0322</b>
<b>I.NARENDRA</b>	<b>18KT1A0347</b>
<b>D.V.N KUMAR</b>	<b>18KT1A0345</b>
<b>B.N SRAVAN KUMAR</b>	<b>18KT1A0349</b>

Submitted in partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering in Mechanical Engineering during the academic year **2021-2022**

  
**PROJECT GUIDE**  
**Sri. D.PRASAD** M. Tech, MISTE.

  
**HEAD OF THE DEPARTMENT**  
**Dr. Md. ABID ALI** Ph. D  
Head of The Department  
Mechanical Engineering  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapeta, VIJAYAWADA-520 001.

**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapeta, VIJAYAWADA-520 001.

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE New Delhi, Affiliated to JNTUK-Kakinada)  
Kothapeta, Vijayawada-520001, ANDHRA PRADESH



**CERTIFICATE**

This is to certify that the project work **“DESIGN AND THERMAL ANALYSIS OF I.C ENGINE CAMSHAFT”** is the bonafide work carried out by

<b>J.SRAVAN KUMAR REDDY</b>	<b>18KT1A0304</b>
<b>B.PRAMOD</b>	<b>18KT1A0320</b>
<b>CH.BHANU TEJA</b>	<b>18KT1A0339</b>
<b>K.SAI DURGA SANDEEP</b>	<b>18KT1A0344</b>
<b>S.BHANU PRASAD</b>	<b>18KT1A0351</b>

Under the guidance of **Dr. Md. Abid Ali M.Tech, Ph.D**, Head of the Department submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in **MECHANICAL ENGINEERING** by JNTUK during the academic year 2021-2022.

  
**PROJECT GUIDE**

**Dr. Md. Abid Ali M.Tech, Ph.D.**

  
**HEAD OF THE DEPARTMENT**

**Dr. Md. Abid Ali M.Tech, Ph.D.**

Head of The Department  
Mechanical Engineering  
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College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.

  
**EXTERNAL EXAMINER**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF  
ENGINEERING & TECHNOLOGY**

(Affiliated to JNTUK, Kakinada and approved by AICTE, New-Delhi)

Raghavareddy Street, Kothapet, Vijayawada-520001.

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is Certify that the module of Design / fabrication entitled "**SURFACE ROUGHNESS FOR PRIMITIVE GEOMETRIES IN FDM PROCESS AND ANALYSING THEM BEFORE AND AFTER ACETONE VAPOUR BATH TREATMENT**" is a bonafied record of work carried out by

<b>P. VAMSI</b>	<b>18KT1A0309</b>
<b>S. LOKESH</b>	<b>18KT1A0308</b>
<b>M. ASWINI</b>	<b>18KT1A0302</b>
<b>D. PREM KUMAR</b>	<b>18KT1A0319</b>
<b>G. DHEERAJ</b>	<b>18KT1A0328</b>

Submitted in partial fulfilment of the requirement for the award of Degree of Bachelor of Engineering in Mechanical Engineering during the academic year 2021-2022.

  
**PROJECT GUIDE**


**N. V. MALAVIKA** MTech, Associate Professor

  
**HEAD OF THE DEPARTMENT**

**DR. MD. ABID ALI, Ph.D.**

**Head of The Department**  
**Mechanical Engineering**  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
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Kothapet, VIJAYAWADA-520 001.

**EXTERNAL EXAMINER**

  
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**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

(Affiliated to JNTUK, Kakinada and approved by AICTE, New Delhi)

Kothapeta, Vijayawada - 520001.

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that this project report entitled “**DESIGN AND ANALYSIS OF COMPOSITE LEAF SPRING**” Is a bonafide record of work carried out by

<b>D.SAI BABU</b>	<b>18KT1A0311</b>
<b>P.ARUN KUMAR</b>	<b>18KT1A0334</b>
<b>SD.KHAJAHUSSEN</b>	<b>18KT1A0317</b>
<b>P.SAI KUMAR</b>	<b>18KT1A0359</b>
<b>P.BHARADWAJ</b>	<b>16KT1A0344</b>

Submitted in partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering in Mechanical Engineering during the academic year **2021-2022**

  
**PROJECT GUIDE**


**Sri.K.SURENDRA BABU** B.E, M. Tech

  
**HEAD OF THE DEPARTMENT**

**Dr. Md. ABID ALI, Ph. D**  
**Head of The Department**  
**Mechanical Engineering**

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Kothapeta, VIJAYAWADA-520 001

**EXTERNAL EXAMINER**

  
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Kothapeta, Vijayawada - 520001.

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that this project report entitled "**DESIGN AND ANALYSIS  
OF SHOCK ABSORBER**" Is a bonafide record of work carried out by

<b>SK. MOHISIN ALI</b>	<b>18KT1A0310</b>
<b>R.J.N.VARA PRASAD</b>	<b>18KT1A0316</b>
<b>ADITHYA MISHRA</b>	<b>18KT1A0343</b>
<b>D. NAGA SIVA SAI</b>	<b>18KT1A0346</b>
<b>P.CHITTI BABU</b>	<b>18KT1A0357</b>

Submitted in partial fulfillment of the requirement for the award of Degree of  
Bachelor of Engineering in Mechanical Engineering during the academic year  
**2021-2022**

**PROJECT GUIDE**

**Sri. D. PRASAD** M. Tech, MISTE

**HEAD OF THE DEPARTMENT**

**Dr. Md. ABID ALI** Ph. D

**Head of The Department  
Mechanical Engineering**

**Potti Sriramulu Chalavadi Mallikarjuna Rao  
College of Engineering & Technology  
Kothapeta, VIJAYAWADA-520 001.**

**EXTERNAL EXAMINER**

**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikarjuna Rao  
College of Engineering & Technology  
Kothapeta, VIJAYAWADA-520 001**



# PSCMR COLLEGE OF ENGINEERING AND TECHNOLOGY

## Department of Electronics and Communication Engineering

Batch. No	Roll. No	Title of the Project
1	18KT1A0439	DESIGN OF DLMS ADAPTIVE FILTER ALGORITHM
	18KT1A0448	
	18KT1A0450	
2	18KT1A0409	TRIPLE BAND RECTANGULAR PATCH ANTENNA FOR C,X,K BAND APPLICATIONS
	18KT1A0432	
	18KT1A0441	
	19KT5A0404	
3	18KT1A0455	DESIGN OF MICRO-STRIP PATCH ANTENNA FOR S-BAND APPLICATIONS
	18KT1A0430	
	18KT1A0411	
	18KT1A0456	
4	18KT1A0457	RANK ORDER IMAGING THROUGH COMPARATORS
	18KT1A0420	
	18KT1A0435	
	18KT1A0427	
5	18KT1A0407	ACQUIRING HIGHER DATA RATE FOR MIMO-OFDM SYSTEM USING DENT CHANNEL COMMUNICATION
	18KT1A0412	
	19KT5A0409	
	18KT1A0459	
6	18KT1A0434	DESIGN AND ANALYSIS OF PATCH ANTENNA WITH DIFFERENT METAMATERIAL STRUCTURES FOR 5G AND BEYOND APPLICATIONS
	18KT1A0443	
	18KT1A0417	
	19KT5A0408	
7	18KT1A0445	EMERGENCY VEHICLES WITH AUTONOMOUS TRAFFIC SYSTEM
	18KT1A0421	
	19KT5A0412	
	18KT1A0425	
8	18KT1A0429	ANALYSIS OF GEOGRAPHICAL LOCATIONS FOR LAND USE LAND COVER THROUGH PIXEL BASED ALGORITHM
	18KT1A0442	
	18KT1A0449	
	19KT5A0407	
9	18KT1A0452	DESIGN AND IMPLEMENTATION OF COMPACT, ULTRA WIDEBAND MIMO USING EBG STRUCTURE AND GROUNDSTUB
	18KT1A0453	
	19KT5A0403	
	18KT1A0460	
10	18KT1A0408	PATIENT HEALTHCARE MONITORING IN QUARANTINE USING IOT
	18KT1A0401	
	18KT1A0405	
	18KT1A0436	
11	18KT1A0423	VOICE CONTROL ROBOT FOR HOME APPLICATIONS USING ARDUINO
	18KT1A0418	
	18KT1A0419	
	18KT1A0428	





# PSCMR COLLEGE OF ENGINEERING AND TECHNOLOGY

## Department of Electronics and Communication Engineering

12	18KT1A0454	IOT BASED PROTOTYPE OF AUTOMATIC CRADLE WITH BABY MONITORING SYSTEM
	18KT1A0406	
	18KT1A0437	
	18KT1A0444	
13	18KT1A0404	DISPARITY ENCHANCEMANET OF CONTRAST DISTORTED IMAGES BASED ON NR-IQA
	18KT1A0416	
	18KT1A0424	
	18KT1A0422	
14	18KT1A0402	IMAGE DENOISING USING RNN
	18KT1A0433	
	18KT1A0431	
	18KT1A0415	
15	18KT1A0414	DESIGN AND ANALYSIS OF HIGHLY ISOLATED MIMO ANTENNA FOR WIRELESS APPLICATIONS
	19KT5A0410	
	18KT1A0446	
	19KT5A0401	
16	19KT5A0402	MULTIPLE WIDEBAND CIRCULARLY POLARIZED MICROSTRIP PATCH ANTENNA WITH OFFSET FEED
	18KT1A0410	
	19KT5A0406	
	18KT1A0413	
17	18KT1A0426	A DESIGN OF LOW PROFILE MICROSTRIP PATCH ANTENNA WITH DEFECTED GROUND STRUCTURE(DGS) FOR WIRELESS APPLICATIONS
	18KT1A0447	
	18KT1A0440	
	19KT5A0405	
18	18KT1A0438	DETAILS-PRESERVING MULTI-EXPOSURE IMAGE FUSION BASED ON PRINCIPAL COMPONENT ANALYSIS, ADAPTIVE WELL-EXPOSEDNESS AND SALIENCY MAP
	18KT1A0403	
	18KT1A0451	
	19KT5A0411	
19	18KT1A04A5	IOT BASED ACCIDENT PREVENTION SYSTEM
	18KT1A0467	
	18KT1A0470	
	18KT1A0491	
	17KN1A0452	
20	18KT1A0483	MEDICINE VENDING MACHINE USING RASPBERRYPI
	18KT1A04A9	
	19KT5A0421	
	18KT1A04B0	
21	18KT1A04A2	A COMPACT FRACTAL MULTI HIGH FREQUENCY BAND NOTCHED UWB ANTENNA WITH A NOVEL SC-DGS
	18KT1A04A1	
	18KT1A04A6	
	18KT1A0464	
22	18KT1A0471	A MULTIMODEL DATA FUSION TECHNIQUE FOR HEARTBEAT DETECTION IN WEARABLE IOT SENSORS
	18KT1A0499	
	18KT1A0489	
	18KT1A0469	



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## Department of Electronics and Communication Engineering

23	18KT1A0477	SMART TROLLEY AND BILLING USING RASPBERRY PI
	18KT1A0461	
	18KT1A0485	
	18KT1A0480	
24	18KT1A0475	AUTOMATIC CLASSROOM ATTENDANCE SYSTEM
	19KT5A0416	
	18KT1A0494	
	18KT1A0495	
25	18KT1A0463	COAL MINE WORKERS SAFETY AND HEALTH MONITORING, ALERTING SYSTEM BASED ON IOT
	19KT5A0414	
	18KT1A0466	
	18KT1A0473	
26	19KT5A0419	DETECTION OF COVID-19 THROUGH COUGH SOUNDS USING CNN
	19KT5A0417	
	18KT1A0462	
	18KT1A0478	
27	18KT1A0492	IOT BASED BRIDGE MONITORING AND FLOOD CONTROL SYSTEM BY USING WIRELESS SMART SENSORS
	18KT1A04A4	
	18KT1A04B1	
	18KT1A0474	
28	19KT5A0420	SMART GARBAGE MONITORING AND MANAGEMENT USING IOT
	18KT1A0472	
	18KT1A04A8	
	18KT1A0487	
29	18KT1A0496	SMART SOLUTION FOR BIKE RIDERS USING IOT
	18KT1A0493	
	18KT1A0482	
	18KT1A0484	
30	18KT1A0481	ADAPTIVE HEADLIGHT SYSTEM FOR AUTOMOBILES
	18KT1A0498	
	18KT1A0479	
	18KT1A0490	
31	18KT1A04A3	ANALYSIS OF IONOSPHERIC VARIABILITY USING PARAMETRIC METHODS ON GPS TEC
	19KT5A0418	
	18KT1A0476	
	18KT1A0488	
32	18KT1A0486	METAMATERIAL BASED COMPACT ANTENNA WITH DEFECTED GROUND STRUCTURE FOR WIRELESS COMMUNICATIONS
	18KT1A04A0	
	18KT1A0465	
	18KT1A0497	



## PSCMR COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

33	19KT5A0415	CROPCARE: AN INTELLIGENT REAL-TIME SUSTAINABLE IOT SYSTEM FOR CROP DISEASE DETECTION USING MOBILE VISION
	19KT5A0413	
	18KT1A0468	
	18KT1A04A7	

PRC-Coordinator

HOD

PRINCIPAL

Potti Sriramulu Chalapathi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001





**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

APPROVED BY AICTE, NEW DELHI, AFFILIATED TO JNTU KAKINADA  
ACCREDITED BY NAAC, NBA, IN A TECH PROGRAMS, ISO 9001:2015 CERTIFIED  
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CONTACT NO. 886 142 144 FAX NO. 886 142 145

COLLEGE CODE **PSCV** (EAMCET, ECET, ICET, POLYCET)



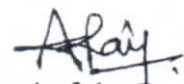
**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING  
(Accredited by NAAC & NBA)  
CERTIFICATE**

This is to certify that this main project report titled "**Design of DLMS adaptive filter**" is a record of work done jointly by **N. V. D. N. K. HEMANTH (18KT1A0439)**, **S.VENI PRIYA (18KT1A0448)** and **K. TEJASVI (18KT1A0450)** under the guidance and supervision of **Mr. T. SIKHAMANI** and submitted in partial fulfilment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022.

The results embodied in the Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

**Mr. T. SIKHAMANI**

  
Head of the Department

**Dr. A. RAVI**

External Examiner

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikarjuna Rao  
College of Engineering & Technology  
Vijayawada, VIJAYAWADA-520 001



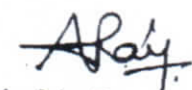
**DEPARTMENT OF**  
**ELECTRONICS AND COMMUNICATION ENGINEERING**  
(Accredited by NAAC & NBA)

**CERTIFICATE**

This is to certify that this main project report titled "TRIPLE BAND RECTANGULAR PATCH ANTENNA FOR C, X, K BAND APPLICATIONS" is a record of work done jointly by CH.SAINREE (18KT1A0409), M.YAMUNA (18KT1A0432), N.SUPRIYA (18KT1A0441) and G. PAVAN DURGA PRASAD (19KT5A0404) under the guidance and supervision of Dr. J. LAKSHMI NARAYANA and submitted in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING by JNTUK during the academic year 2021- 2022. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

**Dr. J. LAKSHMI NARAYANA**

  
Head of the Department

**Dr. A. RAVI**

External Examiner

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Vijayawada, VIJAYAWADA-520 001.

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ELECTRONICS AND COMMUNICATION ENGINEERING  
(Accredited by NAAC & NBA)**

## CERTIFICATE

This is to certify that this project report titled "**DESIGN OF MICROSTRIP PATCH ANTENNA FOR S-BAND APPLICATIONS**" is a record of work done jointly by **V.RUCHITHA(18KT1A0455),K.N.V.S.S.SARADA(18KT1A430), CH.VASANTHA (18KT1A0411) & Y.L.N.V.MAHESHKUMAR (18KT1A0456)** under the guidance and supervision of **V.LEELA SATYANARAYANA** M Tech, Assistant professor and submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION 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 institution for the award of any degree or diploma.

Project guide

**V.LEELA SATYA NARAYANA**

Head of the department

**Dr. A. RAVI**

### External Examiner

PRINCIPAL  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Yethabet, VIJAYAWADA-520 001.





**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

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ACCREDITED BY NAAC, NBA for B.TECH PROGRAMS in CSE, ECE & EEE. ISO 9001:2015 CERTIFIED  
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CONTACT : +91 866 2423442 / E-MAIL : principal@psscrr.ac.in / info@psscrr.ac.in

COLLEGE CODE : PSCV EARICET LCET ICET POLYCET



**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING**

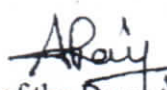
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**CERTIFICATE**

This is to certify that this main project titled "**RANK ORDER IMAGING THROUGH COMPARATORS**" is a record of work done jointly by **YEMINENI RAJYA LAKSHMI (18KT1A0457), J.V.N.P.KATYAYANI (18KT1A0420), MERAKANAPALLI NAVEEN (18KT1A0435) and KODI TARUN KUMAR(18KT1A0427)** under the guidance and supervision of **Ms. G.M.G.MADHURI** and submitted in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING** by JNTUK during the academic year **2021-2022**. The results embodied in this project report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

**Ms. G. M. G. MADHURI**

  
Head of the Department

**Dr. A. RAVI**

External Examiner

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikarjuna Rao  
College of Engineering & Technology  
Vethapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA 520 001**

**ONE TOWN, VIJAYAWADA - 520001**

**APPROVED BY AICTE (ISO 9001:2015 CERTIFIED) AFFILIATED TO JNTUK, KARNATAKA**

**ACCREDITED BY NBA FOR AICTE (E & T) BRANCHES & NAAC ACCREDITED**

**CONTACT : 91 866 242 3442 MAIL : principal@pccet.ac.in, info@pccet.ac.in**




**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING  
(Accredited by NAAC & NBA)**

**CERTIFICATE**

This is to certify that this main project report titled "ACQUIRING HIGHER DATA RATES FOR MIMO OFDM USING DENT CHANNEL COMMUNICATION" is a record of work done jointly by A.SAI SIVA (18KT1A0407), D.DHANYA NIKITHA (18KT1A0412), M.SAI BHAVANI (19KT5A0409), NITHIN V GOPAL (18KT1A0459) under the guidance and supervision of Ms. N. Mounika and submitted in partial fulfilment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


  
Project Guide

**Ms. N. MOUNIKA**

  
Head of the Department  
**Dr. A. RAVI**

**HOD-ECE**  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.

**External Examiner**

  
**PRINCIPAL**  
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College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA 520 001**

**ONE TOWN, VIJAYAWADA - 520001**

**APPROVED BY AICTE - ISO 9001:2015 CERTIFIED - AFFILIATED TO JNTUK, KAKINADA**

**ACCREDITED BY NBA FOR ICE, CSE & EEE BRANCHES & NAAC ACCREDITED**

**CONTACT : +91 866 2423442 MAIL: principal@pscmr.ac.in / info@pscmr.ac.in**



**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING**

**(Accredited by NAAC & NBA)**

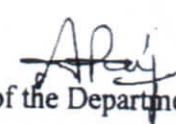
**CERTIFICATE**

This is to certify that this main project report titled **"EMERGENCY VEHICLE WITH AUTONOMUS TRAFFIC SYSTEM"** is a record of work done jointly by under **P.PRASHANTHI (18KT1A0445), J.LAKSHMI MOUNIKA (18KT1A0421), N.SAIKIRAN (19KT5A0412), K.NAVEEN (18KT1A0425)** the guidance and supervision of **Mr. B. PRAVEEN KITTI** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year **2021-2022**.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

**B. PRAVEEN KITTI**

  
Head of the Department

**Dr. A. RAVI**

**External Examiner**

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Vijayawada, VIJAYAWADA-520 001.



(Accredited by NAAC & NBA)

This is to certify that this main project report titled "ANALYSIS OF GEOGRAPHICAL LOCATIONS FOR LAND USE LANDCOVER THROUGH PIXEL BASED ALGORITHM" is a record of work done by K. Pramila (18KT1A0429), O. Lalitha Mani (18KT1A0442), S. Saravan Sai Charan (18KT1A0449), K. Sai Kumar (19KT5A0407) under the guidance and supervision of Mrs. A. V Kiranmai and submitted in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering by JNTUK during the academic year 2021 -2022. The results embodied in the Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

**Mrs. A. V. Kirasmai**

**Dr. A. Ravi**

PRINCIPAL

**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
College of Engineering & Technology  
Vithabet, VIJAYAWADA-520 001



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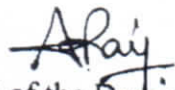
**CERTIFICATE**

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF COMPACT, ULTRA WIDE BAND MIMO USING EBG STRUCTURE AND GROUND STUB" being submitted by THOTA SRI HARSHITHA (18KT1A0452), THUMU BHAVANA (18KT1A0453), GANTHALA KAVERI (19KT5A0403) & APPIKATLA DOJENDRA KUMAR (18KT1A0460) under the guidance and supervision of **Mr. B. PRAVEEN KITTI** and submitted in partial fulfilment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** to in Electronics and Communication Engineering by **Jawaharlal Nehru Technological University** during the academic year 2021-2022.

The results embodied in the Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

**Mr. B. PRAVEEN KITTI**

  
Head of the Department

**Dr. A. RAVI**

External Examiner

  
PRINCIPAL

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9001:2015

**DEPARTMENT OF  
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**(Accredited by NAAC & NBA)**

**CERTIFICATE**

This is to certify that this main project report titled **"PATIENT HEALTHCARE MONITORING IN QUARANTINE USING IOT "** is a record of work done jointly by **B.KEERTHI (18KT1A0408), A.PRANATHI (18KT1A0401), A.SATYA (18KT1A0405)** and **MD.ARSHAD ALI (18KT1A0436)** under the guidance and supervision of **Mr. S. RAVINDRA** submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year **2021-2022**.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

**Mr. S. RAVINDRA**

Head of the Department

**Dr. A. RAVI**

**External Examiner**

**PRINCIPAL**

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**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING**

**(Accredited by NAAC & NBA)**

## CERTIFICATE

This is to certify that the project report entitled as "VOICE CONTROL ROBOT FOR HOME APPLICATIONS USING ARDUINO" being submitted by **K. HARIPREM (18KT1A0423), G. NEERAJA (18KT1A0418), J. PRAVALLIKA (18KT1A0419), K. VENKATA SAI (18KT1A0428)** in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision.

The results embodied in this project report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

K. Sundar Srinivas

**Head of the Department**

Dr. A. Ravi

**External Examiner**

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ELECTRONICS AND COMMUNICATION ENGINEERING  
(Accredited by NAAC & NBA)**

**CERTIFICATE**

This is to certify that this main project titled "IOT BASED PROTOTYPE OF AUTOMATIC CRADLE WITH BABY MONITORING SYSTEM" is a record of work done jointly by V.RASAGNA (18KT1A0454), A.ANANDA LAKSHMI (18KT1A0406), NAGA HARSHITHA.A (18KT1A0437), P.HARSHA VARDHAN (18KT1A0444) under the guidance and supervision of Miss R.DURGA BHAVANI and submitted in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

**R. DURGA BHAVANI**

Head of the department

**Dr.RAVI**

External examiner

PRINCIPAL

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**DEPARTMENT OF ELECTRONICS AND  
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(Accredited by NAAC & NBA)

**CERTIFICATE**

This is to certify that this main project report titled as, "DISPARITY ENHANCEMENT OF CONTRAST DISTORTED IMAGES BASED ON NR-IQA" is a record of work done jointly by A. PRABHU HARSHITH (18KT1A0404), G. LAKSHMI SRAVANI (18KT1A0416), K.V.B. CHANDRA MOULI (18KT1A0424) and J.N.V.L. PRANAVITHA (18KT1A0422) under the guidance and supervision of J. ANUSHA and submitted in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING by JNTUK during the academic year 2021-2022. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

**Project Guide**

**J. Anusha M.Tech**

**Head of Department**

**Dr. A. Ravi Rao**

**HOD-ECE**

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**External Examiner**

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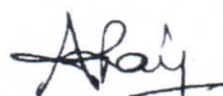
**(Accredited by NAAC & NBA)**

**CERTIFICATE**

This is to certify that this main project report titled **"IMAGE DENOISING USING RNN"** is a record of work done jointly by **ANEES AHAMED BAIG (18KT1A0402)**, **M.PAVITHRA(18KT1A0433)**, **K.SAI JASWANTH (18KT1A0431)** and **E. KEERTHI (18KT1A0415)** under the guidance and supervision of **Dr. A. RAVI** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING** by JNTUK during the academic year **2021- 2022**. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma

  
Project Guide

**Dr. A. RAVI**

  
Head of the Department

**Dr. A. RAVI**

External Examiner



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**ELECTRONICS AND COMMUNICATION ENGINEERING**  
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**CERTIFICATE**

This is to certify that this project report titled "MULTIPLE WIDEBAND CIRCULARLY POLARIZED MICROSTRIP PATCH ANTENNA WITH OFFSET FEED" is a record of work jointly done by D. ANANTHA LAKSHMI (19KT5A0402), CH. LAKSHMI MOURYA (18KT1A0410), K. PAVITRA (19KT5A0406) & D. PRATHYUSHA (18KT1A0413), under the guidance and supervision of V.N.N. PRAVEENA, M.TECH and submitted in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics And Communication Engineering to the Jawaharlal Nehru Technological University, Kakinada during the academic year 2021-2022.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

V.N.N. PRAVEENA

Head of the Department  
Dr. A. RAVI

External Examiner

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ELECTRONICS AND COMMUNICATION ENGINEERING**


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**CERTIFICATE**

This is to certify that this main project titled "A DESIGN OF LOW PROFILE MICROSTRIP PATCH ANTENNA WITH DEFECTED GROUND STRUCTURE (DGS) FOR WIRELESS APPLICATIONS" is a record of work done jointly by KAPALAVAI THAPASWINI (18KT1A0426), RACHABATTULA HANUSH KUMAR (18KT1A0447), NALLAGORLA VARA KRISHNA (18KT1A0440) and JAKKA SIREESHA (19KT5A0405) under the guidance and supervision of Mr. M. NAVEEN KUMAR and submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING by JNTUK during the academic year 2021-2022. The results embodied in this project report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

**Mr. M. Naveen Kumar**

  
Head of the Department

**Dr. A. Ravi**

External Examiner



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**ACCREDITED BY NAAC (A) & NBA (A) FOR ENGINEERING & MANAGEMENT STUDIES**

**CONTACT: 0866-2544444, 0866-2544445, 0866-2544446, 0866-2544447, 0866-2544448**



**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING**  
(Accredited by NAAC & NBA)

**CERTIFICATE**

This is to certify that this main project report titled "DETAILS-PRESERVING MULTI-EXPOSURE IMAGE FUSION BASED ON PRINCIPAL COMPONENT ANALYSIS, ADAPTIVE WELL-EXPONEDNESS AND SALIENCY MAP" is a record of work done jointly by N.SAI RUPA (18KT1A0438), A.SANGEETHA (18KT1A0403), T.BALBHHEEM (18KT1A0451) and M.RUCHITHA (19KTS04011) under the guidance and supervision of Dr. Y. RAKESH and submitted in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

*Rakesh Y*  
Project Guide 25/6/2022

**Dr. Y. RAKESH**

*A. Ravi*  
Head of the Department

**Dr. A. RAVI**

**HCD-ECE**

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Kothapet, VIJAYAWADA-520 001

**External Examiner**

*[Signature]*  
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**(Accredited by NAAC & NBA)**

**CERTIFICATE**

This is to certify that this main project report titled "IOT BASED ACCIDENT PREVENTION SYSTEM" is a record of work done jointly by SK.SHAHEZ (18KT1A04A5) Y.JAYA PRAKASH (18KT1A0467) G.SAI JAYASRI (18KT1A0470) P.NAGA VISHNU VARDHANREDDY (18KT1A0491) K.MOSES DIVAVARAM(17KN1A0452) under the guidance and supervision of Mrs G.M.G.Madhuri and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

(Mrs G.M.G.Madhuri)

  
Head of the Department

(Dr.A.Ravi)

External Examiner

  
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**ACCREDITED BY NBA FOR 2013-14 & 2014-15 & 2015-16 & 2016-17**

**CERTIFIED BY NBA FOR 2013-14 & 2014-15 & 2015-16 & 2016-17**



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

**(Accredited by NAAC & NBA)**

### **CERTIFICATE**

This is to certify that this main project report titled "**MEDICINE VENDING MACHINE USING RASPBERRY PI**" is a record of work done jointly by **M.Havila (18KT1A0483)**, **T.Akhila (18KT1A04A9)**, **V.Naga Yuva Savith Chandra (19KT5A0421)**, **T.Venkata Krishna Chaitanya (18KT1A04B0)** Under the guidance and supervision of **Mrs. B. SUSHMA** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year **2021-2022**.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

  
Project Guide

**Mrs. B. SUSHMA**

  
Head of the Department

**Dr. A. RAVI**

**HOD-ECE**

**Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
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**External Examiner**

  
**PRINCIPAL**

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ENGINEERING: PSCV | FACULTY: ECE, EEE, POLYCOE




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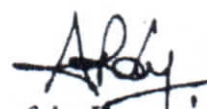
**CERTIFICATE**

This is to certify that this project report titled "A COMPACT HIGH FREQUENCY UWB ANTENNA FOR C, X AND Ku BANDS" is a record of work done jointly by **SHAIK KHAMARJAHAN (18KT1A04A2), S. KALEEM (18KT1A04A1), SIMRAAN MOHAMMED (18KT1A04A6), B. V. JAYA RAMI REDDY (18KT1A0464)** under the guidance and supervision of **Dr. A. Ravi** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** Electronics And Communication Engineering to the Jawaharlal Nehru Technological University, Kakinada during the academic year **2021-2022**.

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Project Guide

**Dr. A. Ravi**

  
Head of the Department  
**Dr. A. RAVI**

**External Examiner**

  
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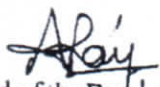
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Project Guide

Dr. A. Ravi

  
Head of the Department

Dr. A. RAVI

External Examiner

  
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COLLEGE CODE : PSCV / LAKSHI / E / E / E / POLY / C / E /



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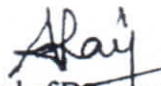
**CERTIFICATE**

This is to certify that this main project report titled **"TECHNIQUE FOR HEARTBEAT DETECTION IN WEARABLE IOT SENSORS"** is done jointly by **G. KEERTHANA (18KT1A0471), P. CHARISHMA (18KT1A0499), M. MONIKA (18KT1A0489)** and **G. SAINADH (18KT1A0469)** under the guidance and supervision of **Mr. V. LEELA SATYANARAYANA** and submitted in partial fulfilment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year **2021-2022**.

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Project Guide

**Mr. V. LEELA SATYANARAYANA**

  
Head of Department

**Dr. A. RAVI**

External Examiner

  
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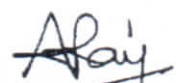
### CERTIFICATE

This is to certify that this main project report titled "**SMART TROLLEY AND BILLING USING RASPBERRY-PI**" is a record of work done jointly by **K.UDAY (18KT1A0477)**, **B.RAVI KIRAN (18KT1A0461)**, **M.ANULEKHA (18KT1A0485)** and **K.SINDHU (18KT1A0480)** under the guidance and supervision of **MR. K.RAGHAVENDRA RAO** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year **2021-2022**.

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Project Guide

**MR. K. RAGHAVENDRA RAO**

  
Head of the department

**DR. A. RAVI**

External Examiner



PRINCIPAL

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College of Engineering & Technology  
Vijayawada, VIJAYAWADA-520 001



**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING**

**(Accredited by NAAC & NBA)**

**CERTIFICATE**

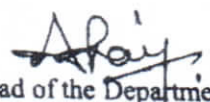
This is to certify that this main project report titled "AUTOMATIC CLASSROOM ATTENDANCE SYSTEM" is a record of work done jointly by K. BHAVANI KIRANMAYE (18KT1A0475), P. DIVYA (19KT5A0416), P. DARSINI (18KT1A0494), P. DILEEP (18KT1A0495) under the guidance and supervision of Mr. SK. CHINNA BAJI and submitted in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering by JNTUK during the academic year 2021- 2022.

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Project Guide

**Mr.SK.CHINNA BAJI**



Head of the Department

**Dr. A. RAVI**

External Examiner




PRINCIPAL

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Vijayawada, VIJAYAWADA-520 001

**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING  
(Accredited by NAAC & NBA)  
CERTIFICATE**


This is to certify that this main project report titled "COAL MINE WORKERS SAAFETY, HEALTH MONITORING AND ALERTING SYSTEM" is a record of Work done jointly by **B.Y.S.S.VENKATESH (18KT1A0463), P.JAYDEEP (19KT5A0414), D.NIKHILA (18KT1A0466) and K.PRAVEEN KUMAR (18KT1A0473)** under the guidance and supervision of **Mr. K. SUNDAR SRINIVAS** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year **2021-2022**.

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Project Guide

**Mr. K. SUNDAR SRINIVAS**



Head of the Department

**Dr. A. RAVI**

External Examiner



PRINCIPAL

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**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

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APPROVED BY AICTE, NEW DELHI, AFFILIATED TO JNTU KAKINADA  
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COLLEGE CODE : PSCV [AMCE] [ELECT] [POLYCE]



**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING  
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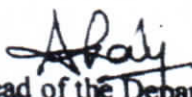
**CERTIFICATE**

This is to certify that this main project report titled **"COVID 19 DETECTION THROUGH COUGH SOUNDS USING CNN"** is a record of work done jointly by **SK.NAVEED ATHAF (19KT5A0419), R.SATISH (19KT5A0417), B.LOHITH EESHWAR (18KT1A0462) and K.MADHURI (18KT1A0478)** under the guidance and supervision of **DR.A.RAVI** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022.


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Project guide

**Dr. A. RAVI**

  
Head of the Department  
**Dr. A. RAVI**

**External Examiner**

  
**PRINCIPAL**  
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**ELECTRONICS AND COMMUNICATION ENGINEERING**

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Project guide

**Dr. A. RAVI**

  
Head of the Department

**Dr. A. RAVI**

External Examiner

  
**PRINCIPAL**

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Vijayawada, VIJAYAWADA-520 001



**DEPARTMENT OF**  
**ELECTRONICS AND COMMUNICATION ENGINEERING**  
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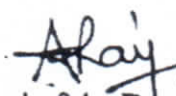
**CERTIFICATE**

This is to certify that this main project report titled "IOT BASED BRIDGE MONITORING AND FLOOD DETECTION BY USING WIRELESS SMART SENSOR" is a record of work done jointly by P.SINDHU (18KT1A0492), SK.REEMA (18KT1A04A4), T.MANOGNA (18KT1A04B1) and K.V.N.SATYANARAYANA (18KT1A0474) under the guidance and supervision of Mr. T.R.S.CHANDRAN and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022.

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Project Guide

**Mr. T.R.S. CHANDRAN**

  
Head of the Department

**Dr. A. RAVI**

External Examiner

  
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**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA 520 001**

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ACCREDITED BY NBA FOR ECE, EEE & EEE BRANCHES & NAAC ACCREDITED

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**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING**

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**CERTIFICATE**

This is to certify that this main project report titled "SMART GARBAGE MONITORING & MANAGEMENT USING IOT" is a record of work done jointly by U. SIVA KRISHNA PRASAD (19KT5A0420), K. KALYANI (18KT1A0472), T.KEERTHANA (18KT1A04A8) and MD. RUKSANA PARVEEN (18KT1A0487) under the guidance and supervision of Mrs. A.V. KIRANMAI and submitted in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022.

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Project Guide

**Mrs. A.V. KIRANMAI**

  
Head of the Department

**Dr. A. RAVI**

External Examiner

  
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**ACCREDITED BY NBA FOR ENGINEERING & NAAC ACCREDITED**

**ISO 9001:2015 CERTIFIED**



**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING  
(Accredited by NAAC & NBA)  
CERTIFICATE**

This is to certify that this main project report titled "SMART SOLUTION FOR BIKE HIDDEN USING IOT" is a record of work done jointly by P.ANUSHA(18KT1A0496) P.DINENITHAI(18KT1A0493),M.VANANTHI(18KT1A0482),M.ANISHA(18KT1A0484) under the guidance and supervision of V.N.N.PRAVEENA and submitted in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022.

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Project Guide

**V.N.N.PRAVEENA**

Head of the Department

**Dr. A. RAVI**

External Examiner

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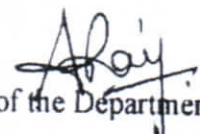
**DEPARTMENT OF**  
**ELECTRONICS AND COMMUNICATION ENGINEERING**  
(Accredited by NAAC & NBA)

**CERTIFICATE**

This is to certify that this main project report titled "ADAPTIVE HEADLIGHT SYSSYTEM FOR AUTOMOBILES" is a record of work done jointly by M.GOPI SAI KIRAN (18KT1A0481), P.DHEERAJ (18KT1A0498), K.CHARAN(18KT1A0479) and M.CHANDI PRIYA(18KT1A0490) under the guidance and supervision of Dr. Y. RAKESH and submitted in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Rakesh Y  
Project Guide 27/6/22

**Dr. Y. RAKESH**

  
Head of the Department  
**Dr. A. RAVI**

External Examiner

  
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CONTACT: 91-886-2423442, 9849-098490, 9849-098491, 9849-098492, 9849-098493




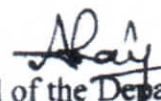
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**ENGINEERING**  
(Accredited by NAAC & NBA)

**CERTIFICATE**

This is to certify that this main project report titled "**ANALYSIS OF IONOSPHERIC DAY-TO-DAY VARIABILITY USING PARAMETRIC METHODS ON GPS TEC**" is record work of jointly work done by **SK. NEEHA (18KT1A04A3), SK. MOHAMMAD ALTHAF, (19KT5A0418), K. SUNIL KUMAR (18KT1A0476), G. MOUNICA (18KT1A0488)**, under the guidance and supervision of **Mr. K. PRABHU KUMAR** and submitted in partial fulfilment of requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year 2021-22.

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Project Guide  
**Mr. K. PRABHU KUMAR**

  
Head of the Department  
**DR.A.RAVI**

External Examiner

  
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**ONE TOWN, VIJAYAWADA - 520001**

APPROVED BY AICTE - ISO 9001:2015 CERTIFIED - AFFILIATED TO JNTUK, KAKINADA

ACCREDITED BY NBA FOR ICE, CSE & EEE BRANCHES & NAAC ACCREDITED

CONTACT : -91 866 2423442 | MAIL : principal@pscmrao.in info@pscmrao.in

COLLEGE CODE PSCV | EAMCET ECET ICET POLYCET



**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING**

**(Accredited by NAAC & NBA)**

**CERTIFICATE**

This is to certify that this main project titled "**METAMATERIAL-BASED COMPACT ANTENNA WITH DEFECTED GROUND STRUCTURE FOR WIRELESS COMMUNICATIONS**" is a record of work done jointly by **M.VARSHITH VARDHAN (18KT1A0486)**, **R.LAKSHMI CHANDINI (18KT1A04A0)**, **CH.YAMINI PRIYA (18KT1A0465)**, **P.MOUNIKA(18KT1A0497)** under the guidance and supervision of **Mr. B.PRAVEEN KITTI** and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2021-2022. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

**Mr. B. PRAVEEN KITTI**

Head of the Department

**Dr. A. RAVI**

External Examiner

PRINCIPAL

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COLLEGE CODE PSCV | EAMCET, ECET, ICET, POLYCET



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**ELECTRONICS AND COMMUNICATION ENGINEERING**  
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**CERTIFICATE**

This is to certify that this main project report titled **"CROPCARE:AN INTELLIGENT BASED REAL-TIME SUSTAINABLE IOT SYSTEM BASED FOR CROP DISEASE DETECTION USING MOBILE VISION"** is a record of work done jointly by **P.SUBANA BEGUM (19KT5A0415), P.VENKAT (19KT5A0413), D.DINAKAR (18KT1A0468) and S. NIKHIL KUMAR REDDY(18KT1A04A7)** under the guidance and supervision of **Mr. K. RAGHAVENDRA RAO** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year **2021-2022**.

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Project Guide

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Head of the Department

**Dr. A. RAVI**

External Examiner

  
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Vijayawada, VIJAYAWADA-520 001.



# PSCMR College of Engineering and Technology

## Department of CSE

IV B.TECH II SEM PROJECT Domains and List of Guides- JAN-2022

**BATCH: 2018-22 (CSE-A)**

S.NO	BATCH NO.	HALL TICKET NUMBER	NAME OF THE STUDENT	Domain Name	Guide Name	Signature
1	1	18KT1A0508	CHILLAPALLI KAVYA SRI	Cryptography & Network Security	Dr. G. Padmaja	Ch. Kavya Sri
2		18KT1A0525	KOPPERA KAVYA			K. Kavya
3		18KT1A0518	THAMBABATHULA			T. Thambabathula
4		18KT1A0554	PRASAD REDDY			Prasad Reddy
5	2	18KT1A0519	K LAKSHMI YASASWI	Machine Learning	Mr. A. Chandra Mouli	K. Lakshmi Yasaswi
6		18KT1A0512	DIVVELA SWETHA			Divvela Swetha
7		18KT1A0514	G NAGA SOWMYA SREE			G. Sowmya Sree
8		18KT1A0522	KASIBOYINA MANISAI			K. Manisai
9	3	18KT1A0546	SAMANVITHASRI Y	Machine Learning	Mrs. N.V. Maha Lakshmi	Y. Samanvitha Sri
10		18KT1A0501	A LITTLE SANTHI			A. Little Santhi
11		18KT1A0542	P NVJLSIVA DIVYA JYOTHI			P. Divya Jyothi
12		19KT5A0501	B KUSHILIKHA			B. Kushilikha
13	4	18KT1A0534	DURGA SAI SRADDA	Computer Vision	Mr. B. Srikanth Reddy	M. H. E. K. Sradha
14		18KT1A0555	TELAPROLU MOUNIKA			T. Mounika
15		18KT1A0552	SOMPALLI MOUNIKA			S. Mounika
16		18KT1A0535	MEGHANA KONATHAM			Meghana Konatham
17	5	18KT1A0560	VUYYURU NAVYA SRI	Machine Learning	Ms. P.S. Silpa	V. Navya Sri
18		19KT5A0509	UMAPATHI BHAVANI			U. Bhavani
19		18KT1A0509	HARSHAPRIYA			H. Harshapriya
20		19KT5A0504	JASTI MOUNIKA			J. Mounika

21	6	19KT5A0503	I. Shiva Prasad	Machine Learning	Mrs. Ch.B.V. Durga	I. Shiva Prasad
22		18KT1A0507	BOGA LEELA LAKSHMI			B. Leela Lakshmi
23		18KT1A0505	B.V.M.K Ratnakar			B. Ratnakar
24		18KT1A0543	PITTALA MONOGNA			P. Manogna
25	7	18KT1A0520	SURARCHITHA	Machine Learning	Mrs. V.Navya Sree	K.V. Surarchitha
26		18KT1A0526	KUNAM DEVI SREE			K. Devisree
27		18KT1A0521	KARUMURI ANUHYA			K. Anubya
28		18KT5A0508	Shaik Neha Jabeen			SK Neha Jabeen
29	8	18KT1A0511	LAKSHMI MANOJNA	Computer Vision	Mr. B.Hanumantha Rao	D.S.L. Manojna
30		18KT1A0544	PUNATI GNANADEEP			P. Gnanadeep
31		18KT5A0502	FATHIMA KHANAM			Fathima Khanam
32		18KT1A0523	K. Sai Sirisha			K. Sai Sirisha
33	9	18KT1A0541	CHANDRA PRABHU	Machine Learning	Mr. M.Pavan	P.R. Prabhu
34		18KT1A0550	SIRIGUDI PRIYANKA			S. Priyanka
35		18KT1A0549	SHAIK SHEHANAJ			Sh. Shehanaj
36		18KT1A0533	KUMAR			M. Jyotsna Kumar
37	10	18KT1A0553	CHANDANASREE	Big Data Analytics	Mr. K.Sudhakar	S. Chaff
38		18KT1A0528	LOUGU MEGHANA			L. Meghana
39		18KT1A0551	SOMARAJU BHAVANA			S. Bhavana
40		18KT1A0503	BANKA NAGA DURGA			B. Durga
41	11	18KT1A0538	NELLI SAMYUKTHA	Computer Vision	Mrs. M. Kalpana	N. Samyuktha
42		18KT1A0540	PANDIRI GNANESWARI			P. Gnaneshwari
43		18KT1A0531	MANDURI HARSHITHA			M. Harshitha
44		19KT5A0506	BEGUM			M. Gousiya Begum

45	12	18KT1A0515	GUNDU SAI RUCHITHA	Computer Vision	Dr. A.Pathanjali Sastri	G. Sai Ruchitha
46		18KT1A0502	ATKURI SAI NIKHILA			A. Nikhila
47		18KT1A0529	MADDINENI SILPA			M. Silpa
48		19KT5A0547	SHAIK SAJEEDA			Sk. Sajeda
49	13	18KT1A0517	GUNTI VARA LAKSHMI	Natural Language Processing	Dr. Sk. Akbar	G. Varalakshmi
50		18KT1A0524	HARSHAVARDHAN			K. Harsha
51		18KT1A0530	MALLI YESASWINI			M. Yesaswini
52		18KT1A0532	DEEPIKESWARI			M. Deepika
53	14	18KT1A0559	V. Prudhvi Charan	Internet of Things	Mr. V.S.R.K.Prasad.G	V. Prudhvi
54		18KT1A0513	JHANSI LAKSHMI			G. Jhansi Lakshmi
55		18KT1A0556	SWETHA			T. Ch. Swetha
56		18KT1A0516	GUNTI MAHESH			G. Mahesh
57		18KT1A0558	DIVYASAI			T. Divy Sai
58	15	18KT1A0539	NIJKALA SUSMITHA	Machine Learning	Mr. T. Anand	N. Susmitha
59		18KT1A0510	SHANMUKHA SRINIVAS			S. Shanmukha
60		18KT1A0527	LAKKOJU MOUNIKA			L. Mounika
61		18KT1A0557	SARVAN			S. Sarvan
62	16	18KT1A0537	SIRISHA	Computer Vision	Mr. I. Murali Krishna	M. Baby Sirisha
63		19KT5A0505	JYOTHI			K. Kejiya Jyothi
64		18KT1A0506	BITRA PAVAN			B. Pavan
65		19KT5A0507	FARHAD			M. Farhad
66	17	18KT1A0536	M Sudha	Natural Language Processing	Mrs. V. Sowjanya	M. Sudha
67		18KT1A0548	PARVEEN			Sameena
68		18KT1A0545	Chinammyi Srinivas			P. Chinmay Srinivas
69		18KT1A0504	B Hema Latha			B. Hema Latha



# PSCMR College of Engineering and Technology

## Department of CSE

IV B.TECH II SEM Domain Name and List of Guides- JAN- 2022

### BATCH: 2018-22 (CSE-B)

S.NO	BATCH NO.	HALL TICKET NUMBER	NAME OF THE STUDENT	Domain Name	Guide Name	Signature
1	1	18KT1A05B4	VAKKALAGADDA TANUJA	Natural Language Processing	Mrs. Ch. B.V. Durga	V. Tanuja
2		18KT1A0584	JULURU VENKATA ASHA SOWMYA			J.V.A. Sowmya
3		18KT1A0597	MURARI SOWMYA POOJITHA			M. Sowmya
4		19KT5A0510	AVVARU SIVA PARVATHI			A. Siva Parvathi
5	2	18KT1A05B7	SHAIK RAHEEM	Machine Learning	Mr. T. Anand	S. Raheem
6		18KT1A05A2	POTHANA KRISHNA MOULI			P. Krishna Moudi
7		18KT1A05A0	PEYYALA BHARGAV			P. Bhargav
8		18KT1A0563	BANDARI LAKSHMI PRASAD			P. Prasad
9	3	18KT1A0588	KOMARABATTINI THESSANY	Computer Vision	Mr. I. Murali Krishna	K. Thessany
10		18KT1A0579	HARIMANIKYAM NAGARJUNA			H. Nagarjuna
11		19KT5A0511	BHASKARUNI SRAVANI			B. Sravani
12		18KT1A0566	BATTINA SAI RAKESH			B. Rakesh
13	4	19KT5A0515	SIRAMSETTI BHANUPRIYA	Cryptogrphay & Network Security	Dr. P. Anitha	S. Bhanu Priya
14		18KT1A0564	BHASKARUNI			B. Bhaskaruni
15		19KT5A0512	KODIREKKA VINEELA RANI			K. Vineela Rani
16		18KT1A05A5	REBBAGUNDLA NAGA MAHESH			R. Nagan Mahesh
17	5	18KT1A0580	IMMANENI CHAYA SRAVANI	Internet of Things	Mr. V.S.R.K. Prasad.G	I. Chaya Sravani
18		18KT1A05A6	S.V. SRAVYA			S. V. Sravya
19		18KT1A05A7	SALI TARUN			S. Tarun
20		17KT1A05C0	ATHOTA NAVEEN			A. Naveen

21	6	18KT1A0587	KILANI SIDDIKA HARSHA	Computer Vision	Mr. K.Sudhakar	K. Siddika
22		18KT1A0585	KASINIKOTA SAI MALLIKA			K. Mallika
23		18KT1A05B3	V. BHARADHWAJA			V. Bharad
24		18KT1A0596	MORUBOINA SRIKANTH			M. Srikanth
25	7	18KT1A0582	IRUKULAPATI GOPICHAND	Computer Vision	Mr. M.Pavan	G. Chand /
26		18KT1A0598	PALAGANI SOMESWARA BABU			P.S. Babu
27		18KT1A0578	GOVIND ANUMAKONDA			A. Govinda
28		18KT1A05B6	YARRAMSETTI VARDHAN			Y. Vardhan
29	8	18KT1A0589	KONDAPANENI NIKHIL SAI	Natural Language Processing	Mrs. V. Navya Sree	K. Nikhil Sai
30		18KT1A05A4	RAYA VEERA HEMANTH KUMAR REDD			R.V.H.K. Reddy
31		18KT1A0574	DASARI THARUN			D. Tharun
32		18KT1A0565	BANDI JESWANTH RAM			B. Jeswanth Ram
33	9	18KT1A0593	MAJETY NAGA VENKATA ROHIT	Machine Learning	Mr. A. Chandra Mouli	M.N.V. Rohit
34		18KT1A0592	MADDINENI MANI TEJA			M. Mani Teja
35		18KT1A05A9	SHAIK AAKHIL			Sh. Akhil
36		18KT1A05B2	SIRISHA NEELAM			S. Neelam
37	10	18KT1A0573	CHIPPALA DHARMA TEJA	Computer Vision	Mrs. Ch. Keerthi	Ch. Dharma Teja
38		18KT1A0576	DODDAPANENI MAYUSHA			D. Mayusha
39		18KT1A0567	BEENA JAHANAVI PILLUTLA			B. Jahanavi Pillutla
40		18KT1A0568	BONAGIRI LAVANYA			B. Lavanya
41	11	18KT1A0581	INDLA NAGALEELA	Machine Learning	Dr. D. Durga Prasad	I. Nagaleela
42		18KT1A0562	ASHA DODDA			A. Asha
43		18KT1A0595	MAMIDI JAYANTH NAVEEN KUMAR			M. Jayanth Naveen Kumar
44		18KT1A0599	PAREPALLI SAI CHARAN			P. Sai Charan

45	12	18KT1A0594	REDDY	Machine Learning	Mrs. V. Sowjanya	M. A. H.
46		18KT1A0570	CHALLA PRABHU NIKHIL RAJ			Challa
47		19KT5A0514	PEDIREDLA ESWAR KAMAL			P. E. Kamal
48	13	18KT1A05A3	RAVULAKOLLU MOUNIKA	Computer Vision	Mr. B. Hanumantha Rao	R. Mounika
49		18KT1A0561	ARBAAZ KHAN			Arbaaz Khan
50		18KT1A0572	CHINTAKAYALA BALAKOTI			Ch. Balakoti
51		18KT1A0586	KAZA ROHIT			K. Rohit
52	14	18KT1A0591	M N V SAI NADH	Machine Learning	Ms. P.S.Silpa	Sainadh
53		19KT5A0513	MANEESH			M. Maneesh
54		18KT1A05B5	YALAMANCHILI GANESH BABU			Y. Ganesh Babu
55	15	18KT1A05A8	SAMANTAPUDI TEJASWINI	Machine Learning	Mrs. N. V. Maha Lakshmi	S. Teja
56		18KT1A0569	CHAKO JAYA PRIYA			Ch. Jayapriya
57		18KT1A0575	DIVYA SUDHA CHEVALA			Divya Sudha
58		18KT1A0571	CHILUKOTI TAGORE BABU			Ch. Tagore Babu



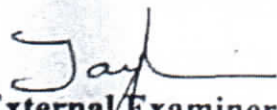
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "DIGITAL IMAGE STEGANOGRAPHY USING EIGHT DIRECTIONAL PVD WITH ADD-SUB ARITHMETIC" is a Bonafede work carried out by Ms. S. BHANU PRIYA (19KT5A0515), Ms. B. BABITHA NAGA VENKATA SRI (18KT1A0564), Ms. K. VINEELA RANI (19KT5A0512), Mr. R.NAGA MAHESH (18KT1A05A5). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections /suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

  
External Examiner

  
Head of Department

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1



PRINCIPAL  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
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POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "CONVOLUTIONAL NEURAL NETWORK BASED SIGN LANGUAGE TRANSLATION SYSTEM" is a bonafide work carried out by Mr. CH. DHARMA TEJA (18KT1A0573), Ms. D. MAYUSHA (18KT1A0576), Ms. P. BEENA JAHANAVI (18KT1A0567), Ms. B. LAVANYA (18KT1A0568). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

Ch. Satya Keerthi n.v.l  
Project Guide

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

Jayl  
External Examiner

MS

PRINCIPAL

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Kothapet, VIJAYAWADA-520 001



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "**GAS LEAKAGE AND VOLUME (WEIGHT) MONITORING USING IOT**" is a bonafide work carried out by **Ms.L. CHAYA SRAVANI (18KT1A0580), Ms. S.V. SRAVYA (18KT1A05A6), Mr.S. TARUN (18KT1A05A7), Mr.A. NAVEEN (17KT1A05C0)**. Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**External Examiner**

  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



**POTTISRIRAMULU CHALAVADI MALLIKHARJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "**JOCASTA: AN AI BASED VIRTUAL ASSISTANT FOR WINDOWS**" is a bonafide work carried out by Mr. K. NIKHIL SAI (18KT1A0589), Mr. R. VEERA HEMANTH KUMAR REDDY (18KT1A05A4), Mr. D. THARUN (18KT1A0574), Mr. B. JESWANTH RAM (18KT1A0565). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*V. Naga Sree*  
**Project Guide**

*Amr*  
**Head of the Department  
Head of The Department  
Dept. of Computer Science and Engineering**

*Jayl*  
**External Examiner**

*M. D. Sree*  
**PRINCIPAL**  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
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Kothapet, VIJAYAWADA-520 001

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COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PHISHING WEBSITES DETECTION USING RANDOM FOREST" is a bonafide work carried out by Mr. M.N.V.ROHIT (18KT1A0593), Mr. M. TEJA (18KT1A0592), Mr. Sk. Aakhil (18KT1A05A9), Ms. S. SIRISHA (18KT1A05B2). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING at Potti Sriramulu Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project-work prescribed for the above degree.

Project Guide

Head of the Department

External Examiner

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

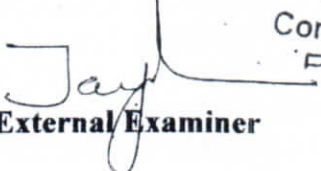


**CERTIFICATE**

This is to certify that the project work entitled "**MELANOMA DETECTION USING DEEP LEARNING**" is a bonafide work carried out by Ms. I. NAGA LEELA(18KT1A0581), Ms. D. ASHA(18KT1A0562), Mr. M. JAYANTH NAVEEN KUMAR(18KT1A0595), Mr. P. SAI CHARAN (18KT1A0599). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
**Project Guide**

  
**Head of the Department**

  
**External Examiner**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

**PRINCIPAL**  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
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**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "STOCK PREDICTION USING ENHANCED LSTM" is a bonafide work carried out by Mr. MNV. SAI NADH (18KT1A0591), Mr. K.B.V.P.S.MANEESH (19KT5A0513), Mr. Y.GANESH BABU (18KT1A05B5). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

26/5/22

  
Head of the Department

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
External Examiner

  
PRINCIPAL

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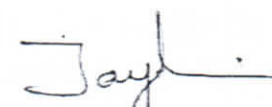
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COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




CERTIFICATE

This is to certify that the project work entitled "SYNTHETIC MEDIA DEEP FAKE VIDEO DETECTION USING ResNeXt & LSTM" is a Bonafide work carried out by Ms.K. SIDDIKA HARSHA (18KT1A0587), Ms.K. SAI MALLIKA (18KT1A0585), Mr.V. BHARADHWAJA (18KT1A05B3), Mr.M. SRIKANTH (18KT1A0596) Fulfilment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements with respect of project work prescribed for the above degree.

  
Project Guide

  
External Examiner

  
Head of the Department

Head of the Department  
Computer Science & Engineering  
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**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "TWITTER SENTIMENTAL ANALYSIS USING RECURRENT NEURAL NETWORK & LSTM" is a bonafide work carried out by Ms. V. TANUJA (18KT1A05B4), Ms. J. V. A. SOWMYA (18KT1A0584), Ms. M. SOWMYA POOJITHA (18KT1A0597), Ms. A. SIVA PARVATHI (19KT5A0510). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*Ch. B. V. Durga*  
**Project Guide**

*Jay*  
**External Examiner**

*AMR 20/5/22*  
**Head of the Department**  
**Head of the Department**  
**Computer Science & Engineering**  
**P.S.C.M.R.CET, VJA-1.**

*MS*

**PRINCIPAL**  
**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001**



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

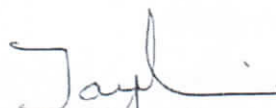
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "DETECTION OF LIVER DISEASE USING HYPER TUNED GRIDSEARCH" is a bonafide work carried out by Ms. N SUSMITHA (18KTIA0539) Mr. D S S SRINIVAS(18KTIA0510), Ms. L MONIKA(18KTIA0527), T J SAI SRAVAN (18KTIA0557), Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**External Examiner**

  
**Head of the Department**

**Head of the Department**  
**Computer Science & Engineering**  
**P.S.C.M.R.CET, VJA-1.**

  
**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
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OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "**PREDICTING THE RISK FACTOR OF KIDNEY DISEASE USING META CLASSIFIERS**" is a bonafide work carried out by

Ms. K. YAGNA SURARCHITHA(18KT1A0520), Ms. K. DEVI SREE(18KT1A0526), Ms. K. ANUHYA (18KT1A0521), Ms. SK. NEHA JABEEN (19KT5A0508). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*V. Naga Sree*  
**Project Guide**

*Jayl*  
**External Examiner**

*Mr. Jayal*  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

*[Signature]*  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "MTESSERACT: AN APPLICATION FOR FORM RECOGNITION IN COURIER SERVICES" is a bonafide work carried out by Ms. D. S. L. MANOJNA (18KT1A0511), Mr. P. GNANADEEP (18KT1A0544), Ms. FATHIMA KHANAM (19KT5A0502), Ms. K. SIRISHA (18KT1A0523). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

**Project Guide**

**Head of the Department**

**Head of The Department**  
**Dept. of Computer Science and Engineering**

**External Examiner**

**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled “**RESTAURANT REVIEW ANALYSIS SYSTEM USING COLLECTIVE BLENDED MECHANISM**” is a bonafide work carried out by Mr. PLRC PRABHU (18KT1A0541), Ms. S. PRIYANKA (18KT1A0550), Ms. SK. SHEHANAJ (18KT1A0549), Mr. M. JAGADEESH KUMAR (18KT1A0533). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

m. Pavan  
Project Guide

Jayl  
External Examiner

  
Head of the Department

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1

  
PRINCIPAL

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**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO COLLEGE  
OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

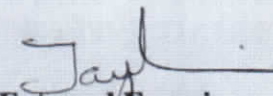
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

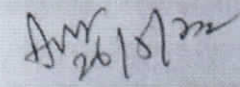


**CERTIFICATE**

This is to certify that the project work entitled "IDENTIFICATION OF TYPES OF INTRUSION ATTACKS USING SPARK AND GRADIENT BOOSTED TREE CLASSIFIER" is a bonafide work carried out by Ms. S. CHANDANA SREE (18KT1A0553), Ms. L. MEGHANA (18KT1A0528), Ms. S. BHAVANA (18KT1A0551), Ms. B. NAGA DURGA (18KT1A0503). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**External Examiner**

  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-52000

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "**CRIME PREDICTION USING RANDOM FOREST ALGORITHM**" is a bonafide work carried out by Ms. S. TEJASWINI (18KTIA05A8), Ms. CH. JAYA PRIYA (18KTIA0569), Ms. CH. DIVYA SUDHA (18KTIA0575), Mr. CHITAGORE BABU (18KTIA0571). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**External Examiner**

  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikarjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO COLLEGE  
OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "**Prediction of Pulmonary Fibrosis Disease using Ensemble Classifier**" is a bonafide work carried out by **Ms. M. BABY SIRISHA (18KT1A0537)**, **Ms. K. KEJIYA JYOTHI (19KT5A0505)**, **Mr. B. PAVAN (18KT1A0506)**, **Ms. MD. JAMEELA FARHAD (19KT5A0507)**. Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide  
28/5/22

Jay  
External Examiner

Head of the Department

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
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Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "ASSOCIATION RULE BASED BOOK RECOMMENDATION SYSTEM USING NLP" is a bonafide work carried out by Ms. M. SAI SUDHA (18KT1A0536), Ms. SK. SAMEENA PARVEEN (18KT1A0548), Mr. P. CHINMAYA SRINIVAS (18KT1A0545), Ms. B. HEMALATHA (18KT1A0504). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*V. Sujanya*  
Project Guide

*Jay*  
External Examiner

*AW 26/5/22*  
Head of the Department  
Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1,

*[Signature]*  
PRINCIPAL



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "SMART CAR PARKING SYSTEM USING 11 LAYERED CNN ALGORITHM", is a bonafide work carried out by MS. G. SAI RUCHITHA (18KT1A0515), MS. A. SAI NIKHILA (18KT1A0502), MS. M. SILPA (18KT1A0529), MS. SK. SAJEEDA (18KT1A0547). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*DM*  
26/5/22  
**Project Guide**

*Jayl*  
**EXTERNAL EXAMINER**

*DM*  
26/5/22  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

*[Signature]*  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520001



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COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DETECTION OF INDIAN CURRENCY DENOMINATION USING TRANSFER LEARNING AND DATA AUGMENTATION" is a bonafide work carried out by Ms.N.SAMYUKTHA (18KT1A0538), Ms. P. GNANESWARI (18KT1A0540), Ms. M. HARSHITHA (18KT1A0531), Ms.Md.GOUSIYA BEGUM(19KT5A0506).Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*Dr. M. Kalpana*  
Project Guide  
Associate Professor  
Dept. of Computer Science and Engineering

*Jay*  
External Examiner

*[Signature]*  
Head of the Department

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

*[Signature]*  
PRINCIPAL  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled **"MUSIC RECOMMENDATION SYSTEM BASED ON FACIAL EXPRESSION USING FISHERFACE"** is a bonafide work carried out by **I. GOPICHAND (18KT1A0582), P. SOMESWARABABU (18KT1A0598), A. GOVIND (18KT1A0578), Y.VARDHAN (18KT1A05B6)** Fulfilment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*m. Pavan*  
**Project Guide**

*[Signature]*  
**Head of the Department**

*[Signature]*  
**External Examiner**

**Head of the Department**  
**Computer Science & Engineering**  
**P.S.C.M.R.CET, VJA-1:**

*[Signature]*  
**PRINCIPAL**  
**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001**

**A PROJECT REPORT ON**  
**MUSIC RECOMMENDATION SYSTEM BASED ON FACIAL**  
**EXPRESSION USING FISHERFACE**

**A Main Project Submitted to Jawaharlal Nehru Technological University, Kakinada in**  
**Partial fulfilments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**  
**IN**  
**COMPUTER SCIENCE AND ENGINEERING**



**Submitted by**

<b>MR. I. GOPICHAND</b>	<b>(18KT1A0582)</b>
<b>MR. P. SOMESWARABABU</b>	<b>(18KT1A0598)</b>
<b>MR. A. GOVIND</b>	<b>(18KT1A0578)</b>
<b>MR. Y.VARDHAN</b>	<b>(18KT1A05B6)</b>

**Under the Esteemed Guidance of**

**Mr. Pavan Movva, M.Tech**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2018-2022**





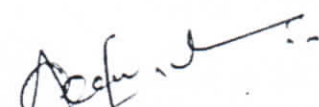
**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.**

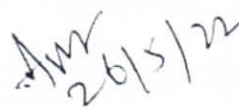
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**




**CERTIFICATE**


This is to certify that the project work entitled "CHATBOT USING FINE TUNED RANDOM FOREST" is a bonafide work carried out by Ms. G. VARA LAKSHMI (18KT1A0517), Mr. K. J HARSHA VARDHAN (18KT1A0524), Ms. M. YESASWINI (18KT1A0530), Mr. V. PRUDHVI CHARAN (18KT1A0559), Ms. M. DEEPIKESWARI (18KT1A0532). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

  
Head of the Department

  
External Examiner

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
PRINCIPAL  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "IOT BASED COVID-19 MONITORING SYSTEM FOR MASK & TEMPERATURE USING PI" is a bonafide work carried out by Ms. G. JHANSI LAKSHMI (18KT1A0513), Ms. T. SAI SWETHA (18KT1A0556), Mr. G. MAHESH (18KT1A0516), Ms. T. DIVYA SAI (18KT1A0558). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
**Project Guide**

  
**External Examiner**

  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.C.E.T. VJA-1

  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

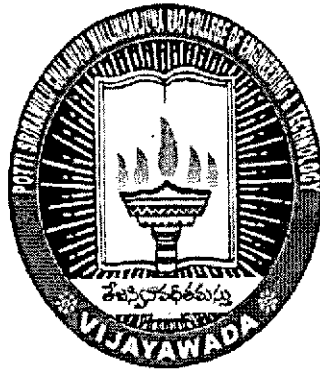
# **A PROJECT REPORT ON DETECTION OF LIVER DISEASE USING HYPER TUNED GRIDSEARCH**

**A Main Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**Ms. N SUSMITHA (18KT1A0539)**

**Mr. D S S SRINIVAS (18KT1A0510)**

**Ms. L MONIKA (18KT1A0527)**

**Mr. T J SAI SRAVAN (18KT5A0557)**

**Under the Esteemed Guidance of**

**Mr. ANAND THOTA, M.Tech (Ph.D.)**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P**

**2018-2022**



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "FORSEEING WORKER SAFETY AT CONSTRUCTION SITES" is a bonafide work carried out by MS. R. MOUNIKA(18KT1A05A3), Mr. ARBAZKHAN(18KT1A0561), Ms. Ch. BALAKOTI(18KT1A0572), Mr. K ROHIT(18KT1A0586). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2018-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide

Head of the Department

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

PRC

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING.



**CERTIFICATE**

This is to certify that the project work entitled "CARDIOVASCULAR DISEASE PREDICTION USING ENSEMBLE VOTING CLASSIFIER" is a bonafide work carried out by Mr. I. SIVA PRASAD (19KT5A0503), Ms. B. LEELA LAKSHMI (18KT1A0507), Mr. B.V.M.K. RATNAKAR (18KT1A0505), Ms. P. MANOGNA (18KT1A0543). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*Ch. B.V. Surya*  
**Project Guide**

*Jayl*  
**External Examiner**

*Amr 26/5/22*  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

*[Signature]*  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**KOTHAPET, VIJAYAWADA-520001.**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "**FORSEEING WORKER SAFETY AT CONSTRUCTION SITES**" is a bonafide work carried out by MS. R. MOUNIKA(18KT1A05A3), Mr. ARBAAZKHAN(18KT1A0561), Ms. Ch. BALAKOTI(18KT1A0572), Mr. K ROHIT(18KT1A0586). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2018-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

**Project Guide**

**Head of the Department**

**Head of the Department**  
**Computer Science & Engineering**  
**P.S.C.M.R.CET, VJA-1.**

**External Examiner**

**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001**



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "DETECTION OF INTRUSION ATTACK USING CUSTOMISED ANN" is a bonafide work carried out by M. Ajith Bala Chandra Reddy (18KT1A0594), CH. Prabhu Nikhil Raj (18KT1A0570), P. Eswar Kamal (19KT5A0514) Fulfilment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


  
Project Guide

  
Head of the Department

Head of the Department  
Computer Science & Eng. Department  
P.S.C.M.R. COLLEGE, VIJAYAWADA

  
External Examiner

PRINCIPAL

  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

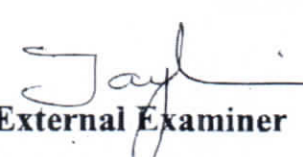
This is to certify that the project work entitled "RICE LEAF DISEASE DETECTION USING RANDOM FOREST" is a bonafide work carried out by Ms. K. THESSANY (18KT1A0588), Mr. H. NAGARJUNA (18KT1A0579), Ms. B. SRAVANI (19KT5A0511), Mr. B. SAI RAKESH (18KT1A0566). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
**Project Guide**

  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
**PRINCIPAL**

  
**External Examiner**

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




CERTIFICATE

This is to certify that the project work entitled "**DETECTION OF ANDROID MALWARE USING GENETIC ALGORITHM BASED ON OPTIMISED FEATURE SELECTION**" is a bonafide work carried out by **Mr. SHAIK.RAHEEM (18KT1A05B7), Mr.P.KRISHNA MOULI (18KT1A05A2), Mr.P.BHARGAV (18KT1A05A0), Mr. B.LAKSHMI PRASAD (18KT1A0563)**. Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

  
Head of the Department  
Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
External Examiner



PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
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POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "IMAGE WATERMARKING WITH CAPACITY ANALYSIS" is a bonafide work carried out by Ms. CH. KAVYASRI (18KT1A0508), Ms. K. KAVYA (18KT1A0525), Ms. T. MANASA(18KT1A0518), Mr. S. PRASAD REDDY (18KT1A0554). Fulfilment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*G. Padmaja*  
Project Guide

*Jay*  
External Examiner

*Am*  
Head of the Department

26/5/22  
Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

*[Signature]*  
PRINCIPAL

Potti Srimulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**




**CERTIFICATE**

This is to certify that the project work entitled "**PREDICTION OF PARKINSON'S DISEASE USING GRADIENT BOOSTING ALGORITHM**" is a bonafide work carried out by Ms. K. LAKSHMI YASASWI (18KT1A0519), Ms. DIVVELA SWETHA (18KT1A0512), Ms. G. NAGA SOWMYA SREE (18KT1A0514), Mr. KASIBOYINA MANISAI (18KT1A0522). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**Head of the Department**

  
**External Examiner**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.



**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



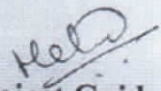
**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.**

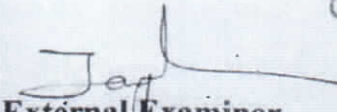
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

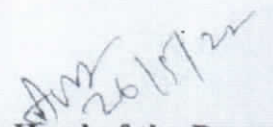


**CERTIFICATE**

This is to certify that the project work entitled **"OPTIMAL FEATURE SELECTION USING BINARY TEACHING LEARNING BASED OPTIMIZATION ALGORITHM"** is a bonafide work carried out by **Ms. SAMANVITHASRI YENDURI (18KT1A0546), Ms. A. LITTLE SANTHI (18KT1A0501), Ms. P. N. V. J. L. S. DIVYA JYOTHI (18KT1A0542), Ms. B. KUSHILIKHA (19KT5A0501)**. Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**External Examiner**

  
**Head of the Department**

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
**PRINCIPAL**  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

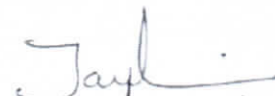
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "OBJECT DETECTION USING RetinaNet" is a bonafide work carried out by Ms. M H D S SRADDA(18KT1A0534), Ms. T MOUNIKA (18KT1A0555), Ms. S MOUNIKA (18KT1A0552), Ms. MEGHANA K (18KT1A0535). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
Project Guide

  
External Examiner

  
Head of the Department

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "DESIGNING OF AUGMENTED BREAST CANCER DATA USING ENHANCED FIREFLY ALGORITHM" is a bonafide work carried out by Ms. V.NAVYA SRI (18KTIA0560), Ms. U.BHAVANI (19KT5A0509), Ms. CH.HEMA HARSHA PRIYA (18KTIA0509), Ms. JMOUNIKA (19KT5A0504). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

26/5/22

  
External Examiner

  
Head of the Department

Head of the Department  
Computer Science & Engineering  
P.S.C.M.R.CET, VJA-1.

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**POTTI SRIRAMULU CHALAVADI MALLIKHARIJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**




**CERTIFICATE**

This is to certify that the Engineering Exploration project work entitled "**ONLINE BANKING SYSTEM**" is a bonafide work carried out by Ms. SRUJANA PESARAMALLI (19KT1A05B1), Mr. HARISANTHAP AAKULA (19KT1A05B7), Ms. VENKATA ALEKHYA MADDI (19KT1A0598), Ms. HARIKA BOGULA (19KT1A0571)

Fulfilment for the completion of the mini project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. The guidance and supervision of Mr. I. Murali Kriahna M.Tech, (Ph.d) Assistant professor, Department of Computer science and Engineering. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report.

  
Head of the Department

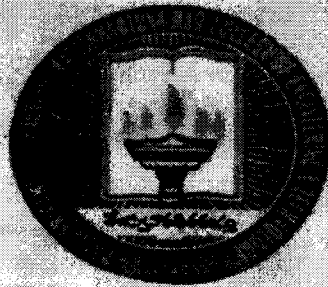
  
External Examiner

28/6/22

  
P. Sriramulu, Chalavadi  
College of Engineering & Technology



**A PROJECT REPORT ON  
ONLINE BANKING SYSTEM WITH PYTHON USING DJANGO  
A Mini Report Submitted to Jawaharlal Nehru Technological  
University, Kakinada  
BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

- |  |                 |
|--|-----------------|
| <b>1. PESARAMALLI .SRUJANA (19KT1A05B1)</b>      | <b>III YEAR</b> |
| <b>2. Mr. HARISANTHAP AAKULA (19KT1A05B7)</b>    | <b>III YEAR</b> |
| <b>3. Ms. VENKATA ALEKHYA MADDI (19KT1A0598)</b> | <b>III YEAR</b> |
| <b>4. Ms. HARIKA BOGULA (19KT1A0571)</b>         | <b>III YEAR</b> |

*Under the Esteemed Guidance of*

**Mr I. Murali Krishna, M.Tech, Ph.d**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
ROTHAPET, VIJAYAWADA-520001, A.P.**



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**




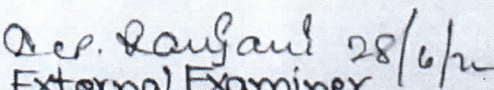
**CERTIFICATE**


This is to certify that the project work entitled, "**CROSS LANGUAGE INFORMATION RETRIEVAL**" is a bonafide work carried out by Ms. VANAMA KAVYASRI (19KTIA0557), Ms. UPPALURU SAI SRI VAISHNAVI (19KTIA0556), Ms. MARUPURI NAVYA (19KTIA0535), Ms. PASUMARTHI SAI TANMAYI (19KTIA0544).

Fulfillment for the completion of Machine Learning certification course in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
**Project Guide**

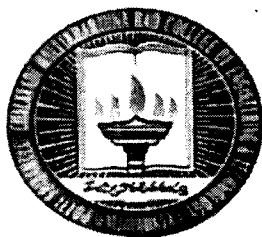
  
**Head of the Department**

  
**External Examiner**

  
**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001**

**A PROJECT REPORT ON**  
**CROSS LANGUAGE INFORMATION RETRIEVAL**  
**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**  
**BACHELOR OF TECHNOLOGY**  
**IN**  
**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

Ms. VANAMA KAVYASRI	(19KT1A0557)
Ms. UPPALURU SAI SRI VAISHNAVI	(19KT1A0556)
Ms. MARUPURI NAVYA	(19KT1A0535)
Ms. PASUMARTHI SAI TANMAYI	(19KT1A0544)

Under the Esteemed Guidance of

**Ms. Sri Silpa Padmanabhuni, M.Tech, (Ph.D)**

Associate Professor

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA**  
**RAO COLLEGE OF ENGINEERING & TECHNOLOGY**  
(Approved by AICTE New Delhi, Affiliated to JNTU-  
Kakinada) KOTHAPET, VIJAYAWADA-520001, A.P  
2019-2023




**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**KOTHAPET, VIJAYAWADA-520001.**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

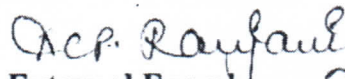
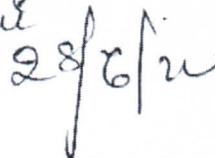


**CERTIFICATE**

This is to certify that the project work entitled "**FRAME CAPTURE USING PYTHON**" is a bonafide work carried out by Mr. UPPALAPATI JAYANTH SAI VARMA (19KT1A05C5), Mr. SHAIK ZAVED (19KT1A05C0), Mr. MALLAVOLU JAGADEESHI (20KT5A0514). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**Head of the Department**

  
**External Examiner** 

  
**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001**

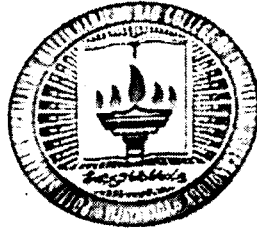
# **A PROJECT REPORT ON FRAME CAPTURE USING PYTHON**

**A Mini Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

<b>Mr.UPPALAPATI JAYANTH SAI VARMA</b>	<b>(19KT1A05C5)</b>
<b>Mr.SHAIK ZAVED</b>	<b>(19KT1A05C0)</b>
<b>Mr.MALLAVOLU JAGADEESH</b>	<b>(20KT5A0514)</b>

**Under the Esteemed Guidance of**

**Mr.B.Srikanth Reddy**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P  
2019-2023**

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PERFORMING INFERENTIAL STATISTICS TO IDENTIFY IMPORTANT FEATURES IN BLACK FRIDAY SALES" is a bonafide work carried out by Ms. VEMULA RAJITHA HYMA(19KT1A0560), Ms. DIVI KAVYA(19KT1A0519), Ms. YAMANURI PRATYUSHIA(19KT1A0564), Ms. VUDATHU V K S POOJITHA(19KT1A0563).

Fulfillment for the completion of Mini Project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*[Signature]*  
Project Guide

*[Signature]*  
Head of the Department

*[Signature]*  
External Examiner 28/6/22

*[Signature]*  
PRINCIPAL  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



**A PROJECT REPORT ON  
PERFORMING INFERENTIAL STATISTICS TO IDENTIFY IMPORTANT  
FEATURES IN BLACK FRIDAY SALES**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada  
BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE AND ENGINEERING**



Submitted By

**Ms. VEMULA RAJITHA HYMA**

**(19KT1A0560)**

**Ms. DIVI KAVYA**

**(19KT1A0519)**

**Ms. YAMANURI PRATYUSHA**

**(19KT1A0564)**

**Ms. VUDATHU VENKATA KRISHNA SAI POOJITHA (19KT1A0563)**

Under the Esteemed Guidance of

**Mrs. M. Nikhita, M.Tech**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA  
RAO COLLEGE OF ENGINEERING & TECHNOLOGY**

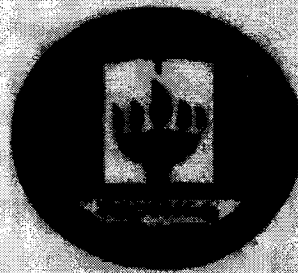
**(Approved by AICTE New Delhi, Affiliated to JNTU-  
Kakinada) KOTHAPET, VIJAYAWADA-520001, A.P  
2019-2023**

POTTI SRERAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "ARTICLES RECOMMENDATION SYSTEM" is a bonafide work carried out by Ms. ATYAM MEHER MANI MEGHANA (19KT1A0505), Ms. ARADHYULA JAYASRI RAJARAJESWARI (19KT1A0502), Ms. MUNAGALA PRIYANKA BALAJI (19KT1A0540), Ms. THANNIRU GEERVANI SANTOSHI (19KT1A0554) Fulfillment for the completion of Mini Project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide

Head of the Department

Prof. S. S. S. S. S.  
External Examiner



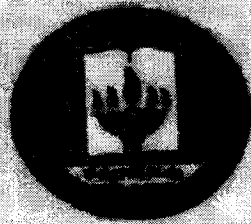
**A PROJECT REPORT ON  
ARTICLES RECOMMENDATION SYSTEM**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**Ms. ATYAM MEHER MANI MEGHANA  
Ms. ARADHYULA JAYASRI RAJARAJESWARI  
Ms. MUNAGALA PRIYANKA BALAJI  
Ms. THANNIRU GEERVANI SANTOSHI**

**(19KT1A0505)  
(19KT1A0502)  
(19KT1A0540)  
(19KT1A0554)**

**Under the Esteemed Guidance of**

**Mr. Kattupalli Sudhakar, M.Tech, M.s(Australia), (Ph.D.)**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "TEXT CLASSIFICATION USING KERAS ON CONSUMER COMPLAINTS" is a bonafide work carried out by Ms. AKULA JAYA HARI SAI JASWITHA (19KT1A0501), Ms. KONJETI HEMA LAKSHMI BHAVANI (19KT1A0528), Ms. KOSURI RUCHITHA SRI (19KT1A0529), Ms. VINJAMURI MOUNIKA (19KT1A0561).

Fulfillment for the completion of Mini Project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*M. Pavan*  
Project Guide

*[Signature]*  
Head of the Department

*[Signature]*  
External Examiner

28/6/22

*[Signature]*  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**A PROJECT REPORT ON**  
**TEXT CLASSIFICATION USING KERAS ON CONSUMER COMPLAINTS**  
A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada  
**BACHELOR OF TECHNOLOGY**  
**IN**  
**COMPUTER SCIENCE AND ENGINEERING**



Submitted By  
Ms. AKULA JAYA HARI SAI JASWITHA (19KT1A0501)  
Ms. KONJETI HEMA LAKSHMI BHAVANI (19KT1A0528)  
Ms. KOSURI RUCHITHA SRI (19KT1A0529)  
Ms. VINJAMURI MOUNIKA (19KT1A0561)

Under the Esteemed Guidance of

Mr. M. Pavan, M.Tech.,

Associate Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA**  
**RAO COLLEGE OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE New Delhi, Affiliated to JNTU-  
Kakinada) KOTIAPET, VIJAYAWADA-520001, A.P

2019-2023

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**KOTHAPET, VIJAYAWADA-520001.**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certify that the project work entitled "IPL PREDICTION USING MACHINE LEARNING" is a bonafide work carried out by Mr. Gaddam Kameswara Rao(19KT1A0520), Mr. Arasavilli Srinivasa Rao(19KT1A0503), Mr. Manam Sai Kumar (19KT1A0534), Mr. Vankamamidi Subrahmanya Saketh Ram(19KT1A0558). Fulfillment for the completion of Mini Project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all correction/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**Head of the Department**

  
**External Examiner**

  
**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001**



**A PROJECT REPORT ON  
IPL PREDICTION USING MACHINE LEARNING**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

<b>Mr. Gaddam Kameswara Rao</b>	<b>(19KT1A0520)</b>
<b>Mr. Arasavilli Srinivasa Rao</b>	<b>(19KT1A0503)</b>
<b>Mr. Manam Sai Kumar</b>	<b>(19KT1A0534)</b>
<b>Mr. Vankamamidi Subrahmanya Saketh Ram</b>	<b>(19KT1A0558)</b>

**Under the Esteemed Guidance of**

**Mr. G.V.S.R.K. Prasad, M.Tech.**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

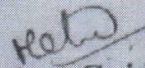
KOTHAPET, VIJAYAWADA-520001.


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

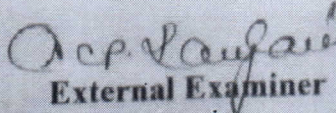


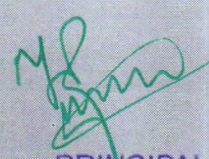
**CERTIFICATE**

This is to certify that the project work entitled "BAYESIAN LOGISTIC REGRESSION ON BANK MARKETING ANALYSIS" is a bonafide work carried out by Ms. BYREDDY NAVYA (19KT1A0513), Ms. CHIRALA JAYA (20KT5A502), Ms. DHULIPALLA CHANDRA DEEPIKA (20KT5A0505), Ms. JETTI NANDINI (20KT5A507) Fulfillment for the completion of Machine Learning certification course in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
Project Guide

  
Head of the Department

  
External Examiner

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520001

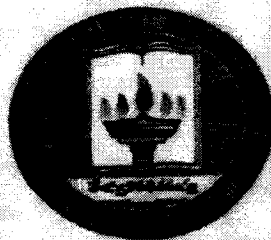


**A PROJECT REPORT ON  
BAYESIAN LOGISTIC REGRESSION ON BANK MARKETING ANALYSIS**  
A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

**Ms. BYREDDY NAVYA  
Ms. CHIRALA JAYA  
Ms. DHULIPALLA CHANDRA DEEPIKA  
Ms. JETTI NANDINI**

**(19KT1A0513)  
(20KT5A0502)  
(20KT5A0505)  
(20KT5A0507)**

Under the Esteemed Guidance of

**Mrs. N. V. Mahalakshmi, M.Tech, (Ph.D.)**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P  
2019-2023**

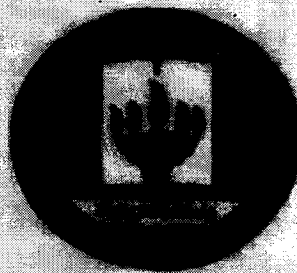


**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "**ARTICLES RECOMMENDATION SYSTEM**" is a bonafide work carried out by Ms. **ATYAM MEHER MANI MEGHANA** (19KT1A0505), Ms. **ARADHYULA JAYASRI RAJARAJESWARI** (19KT1A0502), Ms. **MUNAGALA PRIYANKA BALAJI** (19KT1A0540), Ms. **THANNIRU GEERVANI SANTOSHI** (19KT1A0554) Fulfillment for the completion of Mini Project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide

Head of the Department

External Examiner



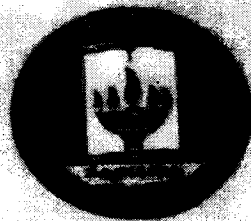
**A PROJECT REPORT ON  
ARTICLES RECOMMENDATION SYSTEM**

A Final Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

**MR. ATYAM MEHER MANI MEGHANA  
MR. ARADHYULA JAYASRI RAJARAJESWARI  
MR. MUNAGALA PRIYANKA BALAJI  
MR. THANNIRU GEERVANI SANTOSHI**

**(19KT1A0505)  
(19KT1A0502)  
(19KT1A0540)  
(19KT1A0554)**

Under the Esteemed Guidance of

**Mr. Kattupalli Sudhakar, M.Tech, M.s(Australia), (Ph.D.)**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**



POTTI SRI RAMULU CHALAVADI MALLIKHARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled, "MOVIE RECOMMANDATION USING SENTIMENT ANALYSIS" is a bonafide work carried out by Ms. MUSKAAN MOHAMMAD (19KT1A0541), Ms. S L SWARNA MALYA ANUMALASETTY (19KT1A0550), Ms. SARAGADA SOWMYA (19KT1A0552), Ms. KARAMSETTY SAI SUVARNA (19KT1A0526). Fulfillment for the completion of Mini Project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*V. Jasmire Rongye*  
Project Guide

*[Signature]*  
Head of the Department

*Dep. Sarfali*  
External Examiner 28/6/22

*[Signature]*  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



**A PROJECT REPORT ON**  
**Movie Recommendation System Using Sentiment Analysis**  
**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**  
**BACHELOR OF TECHNOLOGY**  
**IN**  
**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

**Ms. MUSKAAN MOHAMMAD**

**(19KT1A0541)**

**Ms. S L SWARNAMALYA ANUMALASETTY**

**(19KT1A0550)**

**Ms. SARAGADA SOWMYA**

**(19KT1A0552)**

**Ms. KARAMSETTY SAI SUVARNA**

**(19KT1A0526)**

Under the Esteemed Guidance of

**Mrs. V. Jasmine Sowmya, M.Tech**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA**  
**RAO COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-  
Kakinada) KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

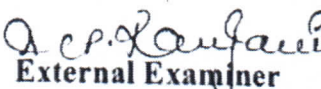


CERTIFICATE

This is to certify that the project work entitled "TRACKING OF COVID-19 BASED ON STATE" is a bonafide work carried out by Ms. L Sai Nikitha Jonnalagadda (19KT1A0532), Ms. Sai Keerthana Rentala (19KT1A0566), Ms. Geetha Bayana (19KT1A0508), Ms. Nikhita Alekhya Adhi Lakshmi (19KT1A0504). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

  
Head of the Department

  
External Examiner

28/6/22

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.

**A PROJECT REPORT ON  
TRACKING OF COVID-19 BASED ON STATE**  
A Mini Project Report Submitted to Jawaharlal Nehru Technological University,  
Kakinada

**BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE AND  
ENGINEERING**



Submitted By

Ms. L Sai Nikitha Jonnalagadda	(19KT1A0532)
Ms. Sai Keerthana Rentala	(19KT1A0566)
Ms. Geetha Bayana	(19KT1A0508)
Ms. Nikhita Alekhya Adhi Lakshmi Atmakuri	(19KT1A0504)

Under the Esteemed Guidance of

Mr. A.Chandra Mouli, M.Tech, (Ph.D.)

Associate Professor

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE New Delhi, Affiliated to JNTU-  
Kakinada) KOTHAPET, VIJAYAWADA-520001, A.P  
2019-2023



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IDENTIFICATION BAG OF WORDS USING XGBOOST" is a bonafide work carried out by Ms. SAMPANGI TULASI (19KT1A0551), Ms. BILLA SRAVANA KUMARI (19KT1A0509), Ms. MADDI LAKSHMI SAI KUNDANA (19KT1A0533). Fulfillment for the completion of the Machine Learning certification course in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*[Signature]*  
13/06/2022  
Project Guide

*[Signature]*  
Head of the Department

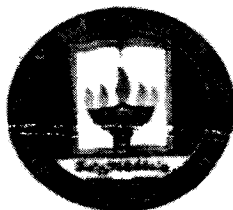
*[Signature]*  
External Examiner 28/6/22

*[Signature]*  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**A PROJECT REPORT ON  
IDENTIFICATION BAG OF WORDS USING XGBOOST**  
A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada

**BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE AND ENGINEERING**



Submitted By

<b>Ms. SAMPANGI TULASI</b>	<b>(19KT1A0551)</b>
<b>Ms. BILLA SRAVANA KUMARI</b>	<b>(19KT1A0509)</b>
<b>Ms. MADDI LAKSHMISAI KUNDANA</b>	<b>(19KT1A0533)</b>

Under the Esteemed Guidance of

**Mr. T. Anand, M. Tech. (Ph. D.)**

Associate Professor

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
POTTI SRIRAMULU CHALAVADI MALLIKARJUNA  
RAO COLLEGE OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE New Delhi, Affiliated to JNTU  
Kakinada) KOTHAPET, VIJAYAWADA-520001, A.P.

2019-2023



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001**


**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

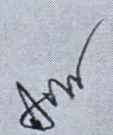


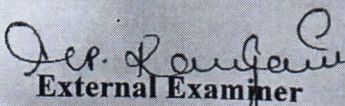
**CERTIFICATE**

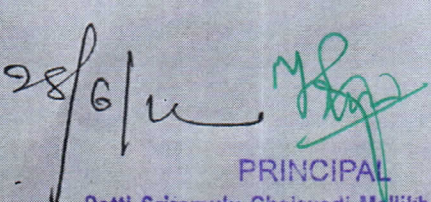
This is to certify that the project work entitled "**BOOK RECOMMENDER SYSTEMS USING SURPRISE MODULE**" is a bonafide work carried out by Mr. JANGA MANIKANTA REDDY(19KT1A0523), Mr. AVULA SAI HITESH YADAV(19KT1A0506), Mr. JORIGE ABIVIGNAY, Mr. KODURI SAI SATYANARYANA(19KT1A0527), Mr. MUGADA SATYA VARAPRASAD YADAV(19KT1A0538).

Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

  
Head of the Department

  
External Examiner

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikarjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



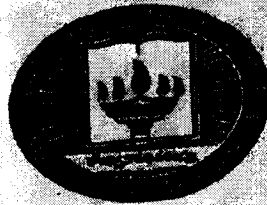
**A PROJECT REPORT ON  
BOOK RECOMMENDER SYSTEM  
USING SURPRISE MODULE**

A Mini Project Submitted to Jawaharlal Nehru Technological University, Kakinada in  
Partial fulfillments of Requirements for the Award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

**Mr. JANGA MANIKANTA REDDY**

**(19KT1A0523)**

**Mr. AVULA SAI HITESH YADAV**

**(19KT1A0506)**

**Mr. JORIGE ABIVIGNAY**

**(19KT1A0524)**

**Mr. KODURI SAI SATYANARAYANA**

**(19KT1A0527)**

**Mr. MUGADA SATYA VARAPRASAD**

**(19KT1A0538)**

Under the Esteemed Guidance of

**Ms. SRI SILPA PADMANABHUNI, M.Tech(Ph.D)**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTIAPET, VIJAYAWADA-520001.**

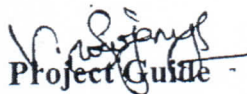
**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**




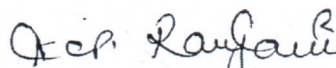
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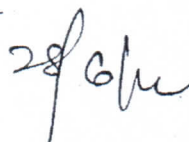
This is to certify that the project work entitled "MERCARI PRICE SUGGESTION USING LIGHTGBM" is a bonafide work carried out by Ms. POKURI PALLAVI (19KT1A0548), Ms. PITTA MADHURI (19KT1A0547), Ms. KUNCHAM VATHSALYA (19KT1A0531).


Fulfillment for the completion of Mini Project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
Project Guide

  
Head of the Department

  
External Examiner



  
**PRINCIPAL**  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**A PROJECT REPORT ON  
MERCARI PRICE SUGGESTION USING LIGHTGBM**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University,  
Kakinada**

**BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**Ms. POKURI PALLAVI  
Ms. PITTA MADHURI  
Ms. KUNCHAM VATHSALYA**

**(19KT1A0548)  
(19KT1A0547)  
(19KT1A0531)**

**Under the Esteemed Guidance of**

**Mrs. V. SOWJANYA M.Tech, (Ph.D.)**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA  
RAO COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-  
Kakinada) KOTHAPET, VIJAYAWADA-520001, A.P  
2019-2023**



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "EDA LINEAR REGRESSION" is a bonafide work carried out by Mr. BALAJI BATCHU (19KT1A0507), Mr. YEJAAZ BAIG(19KT1A0565), Mr. PONNURI BHAVANI DHANUSH (19KT1A0549), Mr. CHAKKA VENKATA SAI ROHIT KUMAR (19KT1A0514).

Fulfillment for the completion of Mini Project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*V. Naga Sree*  
**Project Guide**

*Am*  
**Head of the Department**

*Dr. Rangan*  
**External Examiner**

*28/6/22*

*M. S. R.*  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.

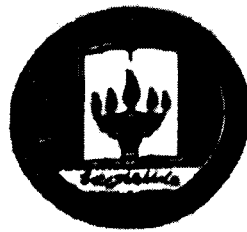
**A PROJECT REPORT ON  
EDA LINEAR REGRESSION**

**A Mini Project Report Submitted to Jawaharal Nehru Technological University, Kakinada**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**Mr. BALAJI BATCHU**

**(19KT1A0507)**

**Mr. YEJAAZ BAIG**

**(19KT1A0565)**

**Mr. PONNURI BHAVANI DHANUSH**

**(19KT1A0549)**

**Mr. CHAKKA VENKATA SAI ROHIT KUMAR**

**(19KT1A0514)**

**Under the Esteemed Guidance of**

**Mrs. V. Navya Sree, M.Tech., (Ph.D.),**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA  
RAO COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-  
Kakinada) KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY


KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "**BIKE SHARING DEMAND ANALYSIS USING ENSEMBLE REGRESSORS**" is a bonafide work carried out by Mr.NAGA VENKATA SAI PRANEETH PARIMI (20KT5A0501), Mr.KOLLI DAYAKAR (20KT5A0503), Mr.S.V.N.K.S SRIHARSHA (20KT5A0504), Ms.PERAM DURGAANUSHA(20KT5A0506). Fulfillment for the completion of mini project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

  
Head of the Department

  
External Examiner

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



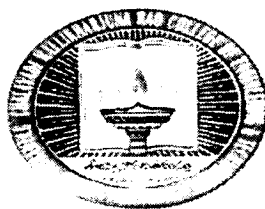
**A PROJECT REPORT ON  
BIKE SHARING DEMAND ANALYSIS  
USING ENSEMBLE REGRESSORS**

**A Mini Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**Mr. NAGA VENKATA SAI PRANEETH PARIMI**

**(20KT5A0501)**

**Mr. KOLLI DAYAKAR**

**(20KT5A0503)**

**Mr. S.V.N.K.S SRIHARSHA**

**(20KT5A0504)**

**Ms. PERAM DURGAANUSHA**

**(20KT5A0506)**

**Under the Esteemed Guidance of**

**Mr. B.SRIKANTH REDDY , M.Tech**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DESCRIPTIVE ANALYSIS ON STUDENT PERFORMANCE AND PREDICTION OF PLACEMENT USING LOGISTIC REGRESSION" is a bonafide work carried out by Ms. Meka Naga Nandini Devi (19KT1A0536), Ms. Bitra Mounika (19KT1A0510), Ms. Teki Vijaya Mahalakshmi (19KT1A0553), Ms. Boggarapu Rupa N V Lakshmi Satya Tejaswy (19KT1A0511). Fulfillment for the award of the completion of Mini Project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*Ch. R. V. Durga*  
Project Guide

*[Signature]*  
Head of the Department

*Dep. Rangaraj*  
External Examiner

*28/6/22*

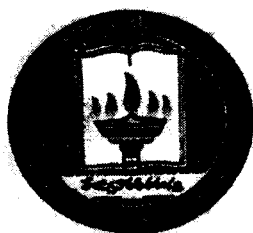
*[Signature]*  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**A PROJECT REPORT ON  
DESCRIPTIVE ANALYSIS ON STUDENT PERFORMANCE AND PREDICTION OF  
PLACEMENT USING LOGISTIC REGRESSION**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**

**BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE AND ENGINEERING**



Submitted By

<b>Ms. MEKA NAGA NANDINI DEVI</b>	<b>(19KT1A0536)</b>
<b>Ms. BITRA MOUNIKA</b>	<b>(19KT1A0510)</b>
<b>Ms. TEKI VIJAYA MAHALAKSHMI</b>	<b>(19KT1A0553)</b>
<b>Ms. B RUPA N V Lakshmi Satya Tejaswy</b>	<b>(19KT1A0511)</b>

Under the Esteemed Guidance of

**Mrs. Ch.B.V.Durga, M. Tech.**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "**Bitcoin Price Prediction Using SVR**" is a bonafide work carried out by Ms. Patchipulusu Sai Harshitha (19KT1A0545), Ms. Padamata Usha (19KT1A0543), Ms. Pillarisetty Satwika (19KT1A0546), Ms. Mukkala Tejaswini (19KT1A0539). Fulfillment for the completion of Mini Project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*Md. Rushma*  
**Project Guide**

*Amr*  
**Head of the Department**

*Ac. Rangaiah*  
**External Examiner**

*28/6/22*

*Md. Rushma*  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**A PROJECT REPORT ON  
BITCOIN PRICE PREDICTION USING SVR**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**Ms. Patchipuslusu Sai Harshitha**

**(19KT1A0545)**

**Ms. Padamata Usha**

**(19KT1A0543)**

**Ms. Pillarisetty Satwika**

**(19KT1A0546)**

**Ms. Mukkala Tejaswini**

**(19KT1A0539)**

**Under the Esteemed Guidance of**

**Mrs. Md. Bushra, M.Tech.**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

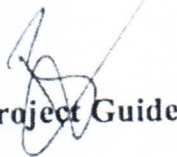
**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "SMS SPAM DETECTION USING MULTI NOMIAL BAYESIAN" is a bonafide work carried out by Mr. GIRISH CHALAMALASETTI (19KT1A0516), Ms. SUSHMA PRIYA THOTA (19KT1A0555), Ms. NEELIMA KOTIKALAPUDI (19KT1A0530), Ms. INDU CHILAPALLI (19KT1A0518). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021- 2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
**Project Guide**

  
**Head of the Department**

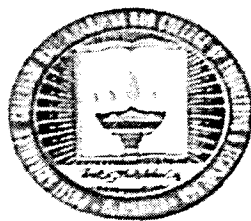
  
**External Examiner**

  
**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001**



**A PROJECT REPORT ON**  
**SMSSPAM DETECTION USING MULTI NOMIAL BAYESIAN**  
A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada  
**BACHELOR OF TECHNOLOGY**  
**IN**  
**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

Mr. GIRISH CHALAMALASETTI  
Ms. SUSHMA PRIYA THOTA  
Ms. NEELIMA KOTIKALAPUDI  
Ms. INDU CHILLAPLLI

(19KT1A0516)  
(19KT1A0555)  
(19KT1A0530)  
(19KT1A0518)

Under the Esteemed Guidance of

Mr. B. Hanumantha Rao M.Tech, (Ph.D.)

Associate Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P.  
2019-2023

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "GROCERY SALES FORECAST USING LINEAR REGRESSOR" is a bonafide work carried out by Mr. ABHISHEK SRI SAI TAMMANNAGARI (19KT1A05C2), Ms. PRANITHA VOGGU (19KT1A0562), Mr. SHARAT CHINIGEPALLI (19KT1A0576), Mr. JAYA SAI SIVA KUMAR GUDDANTI (19KT1A0585). Fulfillment for the completion of Mini Project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*Ch. Satya Keerthi n.v.l*  
Project Guide

*[Signature]*  
Head of the Department

*Dr. Rajan*  
External Examiner *28/6/22*

*[Signature]*  
PRINCIPAL  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

**A PROJECT REPORT ON  
GROCERY SALES FORECAST USING LINEAR REGRESSOR**  
A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada  
**BACHELOR OF TECHNOLOGY**  
IN  
**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

Mr. ABHISHEK SRI SAI TAMMANNAGARI	(19KT1A05C2)
Ms. PRANITHA VOGGU	(19KT1A0562)
Mr. SHARAT CHINIGEPALLI	(19KT1A0576)
Mr. JAYA SAI SIVA KUMAR GUDDANTI	(19KT1A0585)

Under the Esteemed Guidance of

Mrs.CH.Satya Keerthi, M.Tech

Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P  
2019-2023



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

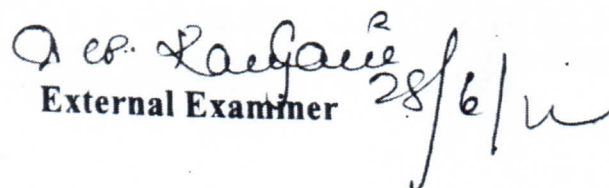


**CERTIFICATE**

This is to certify that the project work entitled "URL SHORTENER USING DJANGO" is a bonafide work carried out by **Mr. B. SUMANTH (19KT1A0568), Mr. K. RAKESH BABU (19KT1A0593), Mr. M.SUJAN (19KT1A05A4), Mr R.V. SAI SUMANTH (19KT1A05B3).** Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2019-2023**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
**Project Guide**

  
**Head of the Department**

  
**External Examiner**

  
**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.**

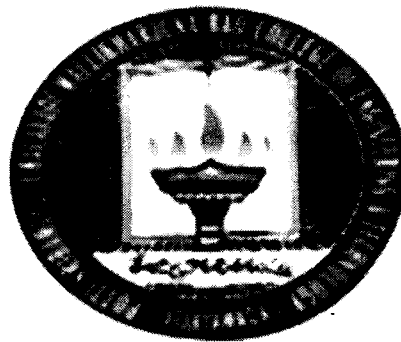
**A PROJECT REPORT ON  
URL SHORTENER USING  
DJANGO**

**A Main Project Submitted to Jawaharlal Nehru Technological University, Kakinada in  
Partial fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

**B.SUMANTH (19KT1A0568)**

**K.RAKESH BABU (19KT1A0593)**

**M.SUJAN (19KT1A05A4)**

**R.V.SAI SUMANTH (19KT1A05B3)**

Under the Esteemed Guidance of

**Mr. T. Anand**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

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**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

**POTTI SRIRAMULUCHALAVADIMALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

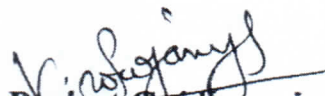
**KOTHAPET, VIJAYAWADA-520001.**


**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "**BREAST CANCER PREDICTION ANALYSIS**" is a bonafide work carried out by Mr. DALAI VENKATA VISHNU BHARAGAV TEJA (19KT1A0578), Ms. CHITLURI DIVYA (19KT1A0577), Mr. BAPANAPALLI SAIKUMAR (19KT1A0569), Ms. CHILAKANTISRI CHARITHA (20KT5A0508). Fulfillment for the completion of mini project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**Head of the Department**

  
**External Examiner**

  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001



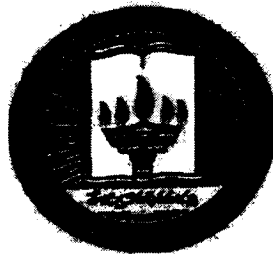
**A PROJECT REPORT ON  
BREAST CANCER PRIDITION ANALASYS**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
Fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTERSCIENCEANDENGINEERING**



**SubmittedBy**

**Mr. DALAI VENKATA VISHNU BHARAGAV TEJA (19KT1A0578)**

**Ms. CHITLURI DIVYA (19KT1A0577)**

**Mr. BAPANAPALLI SAIKUMAR (19KT1A0569)**

**Ms. CHILAKANTISRI CHARITHA (20KT5A0508)**

**UndertheEsteemedGuidanceof**

**Mrs. V. Sowjanya, M.Tech**

**AssociateProfessor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-  
Kakinada)KOTHAPET, VIJAYAWADA-520001, A.P  
2019-2023**

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PREDICTING DIAMOND PRICES " is a bonafide work carried out by Ms.BOMMISSETTI JAYASREE PRIYANKA(19KT1A0512), Ms.DOLA PRIYANKA (1954IA0511),MR. NADAKUDURUVENKATESH (19KTIA0542), MR.KARAMPUDI JAYANTH (19KTIA0525).

Fulfillment for the completion of Machine Learning certification course in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*Ch. B. V. Durga*  
Project Guide

*[Signature]*  
Head of the Department

*[Signature]*  
External Examiner

28/6/22

*[Signature]*  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.

A PROJECT REPORT ON  
**PREDICTING DIAMOND PRICES**

Submitted by: **CHANDRA KISHOR SUBRAMANIAM, KANAKA SURESH, KANAKA SURESH**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



Submitted By:

MR. BOMMASETTI V. JAYASREE PRASANNA	(SKID1A0572)
MR. DOLLA PRIYANNA	(SKID1A0573)
MR. MADAKURU VENKATESH	(SKID1A0574)
MR. KARAMPUDI JAYANTHI	(SKID1A0575)

Under the guidance of:

Mrs. MD PURGA, M. Tech.,

Associate Professor

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**POTTI SRIRAMU LU CHALAVADI MALLIKARJUNA RAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**

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

KOTHAPET, VIJAYAWADA-520001, A.P.

2019-2023



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "ONLINE TRAVELING WEBSITE USING DJANGO" is a bonafide work carried out by Mr. M. SASI KIRAN (19KT1A0596), Mr. ISAI CHARAN (19KT1A0588), MS. M.LIKHITHA (19KT1A0599), MS.PRASANTHI (19KT1A0572). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2019-2023. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

Ch. Satya Keerthi. n.v.l  
Project Guide

  
Head of the Department

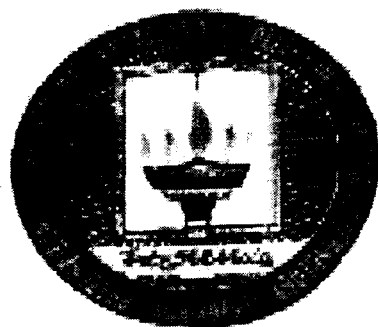
Dr. Sarfari  
External Examiner 28/6/20

  
PRINCIPAL  
Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

# A PROJECT REPORT ON ONLINE TRAVELLING WEBSITE USING DJANGO

A Main Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial fulfillments of  
Requirements for the Award of the Degree of

BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE AND ENGINEERING



Submitted By

MSASI KIRAN (19KT1A0596)

CH.PRASANTHI (19KT1A0572)

M.LIKHITHA (19KT1A0599)

LSAI CHARAN (19KT1A0588)

Under the Esteemed Guidance of

Mrs. Satya Keerthi M.Tech (Ph.D)

Associate Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF  
ENGINEERING & TECHNOLOGY**

(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P

2019-2023

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



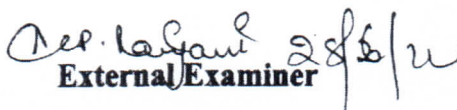
**CERTIFICATE**

This is to certify that the project work entitled "GARBAGE CLASSIFICATION USING DEEP LEARNING" is a bonafide work carried out by Ms. CHANDANA TALAGADADEEVI (19KT1A0580), Mr. SRI HARSHA ISUKAPALLI (19KT1A0589), Mr. LOKESH MATHI (19KT1A05A1), Mr. DILIP KUMAR VEMULA (19KT1A05C7).

Fulfilment for the completion of Mini Project in **COMPUTER SCIENCE AND ENGINEERING** of **Jawaharlal Nehru Technological University, Kakinada** during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**Head of the Department**

  
**External Examiner**



**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001**



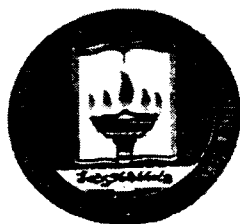
**A PROJECT REPORT ON  
GARBAGE CLASSIFICATION USING DEEP LEARNING**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**Ms. CHANDANA TALAGADADEEVI  
Mr. SRI HARSHA ISUKAPALLI  
Mr. LOKESH MATHI  
Mr. DILIP KUMAR VEMULA**

**(19KT1A0580)  
(19KT1A0589)  
(19KT1A05A1)  
(19KT1A05C7)**

**Under the Esteemed Guidance of**

**Mr. B. HANUMANTHA RAO, M. Tech, (Ph.D.)**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

**POTTI SRIRAMULU CHALAVADI MALLIKHARIJUNARAO  
COLLEGE OF ENGINEERING & TECHNOLOGY  
KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the Engineering Exploration project work entitled **"ONLINE BANKING SYSTEM"** is a bonafide work carried out by Ms. SRUJANA PESARAMALLI (19KT1A05B1), Mr. HARISANTHAP AAKULA (19KT1A05B7), Ms. VENKATA ALEKHYA MADDI (19KT1A0598), Ms. HARIKA BOGULA (19KT1A0571)

Fulfilment for the completion of the mini project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. The guidance and supervision of Mr. I. Murali Kriahna M.Tech, (Ph.d) Assistant professor, Department of Computer science and Engineering. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report.

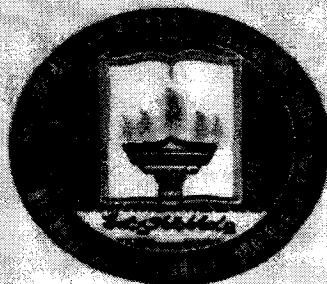
  
Head of the Department

  
External Examiner

  
PRINCIPAL



**A PROJECT REPORT ON  
ONLINE BANKING SYSTEM WITH PYTHON USING DIANGO  
A Mini Report Submitted to Jawaharlal Nehru Technological  
University, Kakinada  
BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

- |  |                 |
|--|-----------------|
| <b>1. PESARAMALLI .SRUJANA (19KT1A05B1)</b>      | <b>III YEAR</b> |
| <b>2. Mr. HARISANTHAP AAKULA (19KT1A05B7)</b>    | <b>III YEAR</b> |
| <b>3. Ms. VENKATA ALEKHYA MADDI (19KT1A0598)</b> | <b>III YEAR</b> |
| <b>4. Ms. HARIKA BOGULA (19KT1A0571)</b>         | <b>III YEAR</b> |

*Under the Esteemed Guidance of*

**Mr I. Murali Krishna, M.Tech, Ph.d**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)*

**80THAPET, VIJAYAWADA-520001, A.P**



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "LIBRARY MANAGEMENT USING DJANGO" is a bonafide work carried out by Mr. R. HARSHA (19KTIA05B4),

Mr. N. KARTHIK (19KTIA05A7), Mr. T. RAKESH (19KTIA05C4), Mr. M. LOHITH (19KTIA05A5).

Fulfillment for the completion of mini project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakimada during the year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*V. Naga Sree*  
Project Guide

*[Signature]*  
Head of the Department

*[Signature]*  
External Examiner 28/6/20

*[Signature]*  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001

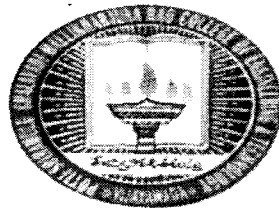
**A PROJECT REPORT ON**  
**LIBRARY MANAGEMENT SYSTEM USING DJANGO**

**A Mini Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

R.HARSHA (19KT1A05B4)

N.KARTHIK (19KT1A05A7)

T.RAKESH (19KT1A05C4)

M.LOHIT (19KT1A05A5)

Under the Esteemed Guidance of

**Mrs.V.Jasmine Sowmya, M.Tech**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "STUDENT MANAGEMENT AND MONITORING SYSTEM USING DJANGO " is a bonafide work carried out by Mr.M.ANUDEEP (19KT1A05A6), Mr.S.RAMPRASAD (19KT1A05C1), Ms. P.AMULYA (19KT1A05A9), Mr.M.NITHIN (19KT1A05A2 ). Fulfillment for the for the completion of mini project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

**Project Guide**

**Head of the Department**

*Dr. Ranjane*  
**External Examiner**

*[Signature]*

**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001.**



**A PROJECT REPORT ON  
STUDENT MANAGEMENT AND MONITORING  
SYSTEM USING DJANGO**

**A Mini Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE AND ENGINEERING**



Submitted By

<b>M.ANUDEEP</b>	<b>(19KT1A05A6)</b>
<b>S.RAMPRASAD</b>	<b>(19KT1A05C1)</b>
<b>P.AMULYA</b>	<b>(19KT1A05A9)</b>
<b>M.NITHIN</b>	<b>(19KT1A05A2)</b>

Under the Esteemed Guidance of

**Mr. A.CHANDRAMOULI ,M.Tech ,(Ph.D)**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING.**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P.**

**2019-2023**

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

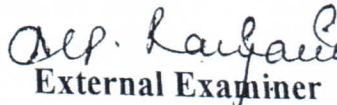


CERTIFICATE

This is to certify that the project work entitled "CHURN PREDICTION IN TELECOM INDUSTRY USING AUTO ENCODERS" is a bonafide work carried out by Ms. UPPALAPATI LAKSHMI YASASWI (19KT1A05C6), Ms. SUSNIGDHA RAYANA (19KT1A05B6), Ms. SHAIK PARVEEN (19KT1A05B9), Ms. THEJASHRI TADAVARTHI (19KT1A05C3). Fulfillment for the completion of Mini Project in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

  
Project Guide

  
Head of the Department

  
External Examiner

28/6/22

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.

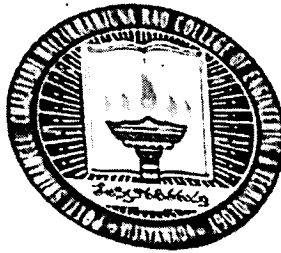
**A PROJECT REPORT ON  
CHURN PREDICTION IN TELECOM INDUSTRY USING  
AUTO ENCODERS**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**Ms. UPPALAPATI LAKSHMI YASASWI  
Ms. SUSNIGDHA RAYANA  
Ms. SHAIK PARVEEN  
Ms. THEJASHRI TADAVARTHI**

**(19KT1A05C6)  
(19KT1A05B6)  
(19KT1A05B9)  
(19KT1A05C3)**

**Under the Esteemed Guidance of**

**Ms. Ch N V Jyothirmai, M.Tech**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**KOTHAPET, VIJAYAWADA-520001.**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the project work entitled "WEATHER FORECASTING USING DJANGO WITH PYTHON" is a bonafide work carried out by Mr. SK. SADDAM HUSSAN (20KT5A0510), Mr. G.SUDHEER BABU (19KT1A0584), Mr. CH.DURGA VINODH (19KT1A0573), Mr. CH.HARINADH BABU (19KT1A0575).

Fulfillment for the completion of Mini Project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

*V. Naga Sree*  
**Project Guide**

*[Signature]*  
**Head of the Department**

*[Signature]*  
**External Examiner**

*28/6/22*

*[Signature]*  
**PRINCIPAL**

**Potti Sriramulu Chalavadi Mallikharjuna Rao**  
**College of Engineering & Technology**  
**Kothapet, VIJAYAWADA-520 001.**



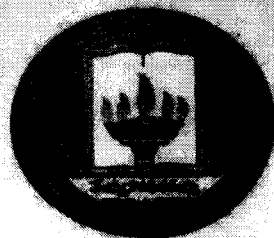
**A PROJECT REPORT ON**  
**WEATHER FORECASTING USING DJANGO WITH PYTHON**

**A Main Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

<b>Mr. SK. SADDAM HUSSAN</b>	<b>(20KT5A0510)</b>
<b>Mr. G.SUDHEER BABU</b>	<b>(19KT1A0584)</b>
<b>Mr. CH.DURGA VINODH</b>	<b>(19KT1A0573)</b>
<b>Mr. CH.HARINADH BABU</b>	<b>(19KT1A0575)</b>

**Under the Esteemed Guidance of**

**Mrs. V. Navya Sree, M. Tech., (ph.D).**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P**

**2021-2022**



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CERTIFICATE

This is to certify that Engineering Exploration project work entitled "CHATBOT USING NEURAL NETWORKS" is a bonafide work carried out by, Mr. RAJA JANGAM (19KT1A0590), Mr. S. PRADEEP KUMAR (20KT5A0513), Ms. SK. THABASUM (20KT5A0512), Ms. P. SHAMSHAD (20KT5A0511), MS. N. NAGA DURGA MALLESWARI (20KT5A0509) under the guidance and supervision of Dr. G. Padmaja, Ph. D. professor, Department of Computer science and Engineering. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Engineering Exploration project report has been approved as it satisfies the academic requirements in respect of Engineering Exploration project work prescribed for the above degree.

*G. Padmaja*  
Project Guide

*AW*  
Head of the Department

*ACP. Rajaraj*  
External Examiner

*28/6/20*

*M. S. R.*

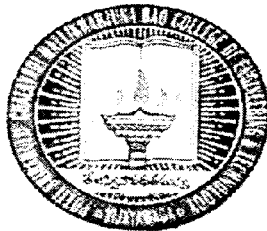
PRINCIPAL

Pottji Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Chhatpet, VIJAYAWADA-520 001.



**A PROJECT REPORT ON  
CHATBOT USING NEURAL NETWORK TECHNIQUES**  
A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada

**BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE AND ENGINEERING**



Submitted By

Mr. RAJA JANGAM	(19KT1A0590)
Mr. S PRADEEP KUMAR	(20KT5A0513)
Mr. N DURGA MALLESWARI	(20KT5A0509)
Mrs. SK THABASUM	(20KT5A0512)
Mrs. P SHAMSHAD	(20KT5A0511)

Under the Esteemed Guidance of

**Dr. PADAMAJA GRANDHE, Ph.D.**

Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)

KOTHAPET, VIJAYAWADA-520001, A.P

2019-2023

**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

KOTHAPET, VIJAYAWADA-520001.

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "FACIAL EXPRESSION RECOGNITION" is a bonafide work carried out by Mr. P. RAJESH (19KT1A05B2), Ms. D. KAVYA (19KT1A05B1), Ms. I. SRI LALITHA (19KT1A05B7), Ms. G. APARNA (19KT1A05B3). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
Project Guide

  
Head of the Department

  
External Examiner

  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjunarao  
College of Engineering & Technology



**A PROJECT REPORT ON  
FACIAL EXPRESSION RECOGNITION  
USING  
MACHINE LEARNING**

**A Mini Project Report Submitted to Jawaharlal Nehru Technological University, Kakinada**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**Submitted By**

**P. RAJESH (19KT1A0582)**

**D. KAVYA (19KT1A0581)**

**L. SRI LALITHA (19KT1A0587)**

**S. SRI LALITHA (19KT1A0583)**

**Under the Esteemed Guidance of**

**Mr. SK. AKBAR, M. tech, (Ph. D)**

**Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POONJITHRAN S. S. AYYADI MALLIKARJUNA RAO COLLEGE**

**OF ENGINEERING & TECHNOLOGY**

**POONJITHRAN S. S. AYYADI MALLIKARJUNA RAO COLLEGE**

**OF ENGINEERING & TECHNOLOGY**



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTIAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**CERTIFICATE**

This is to certify that the project work entitled "EMPLOYEE MANAGEMENT SYSTEM USING DJANGO" is a bonafide work carried out by Mr. G.SAI DAYAKAR REDDY (19KT1A0582), Mr. L.CHANDU (19KT1A0595), Ms. K.THABITHA RAJ (19KT1A0592), Ms. K.RAVYA (19KT1A0594). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

*M. Kishore*  
Project Guide

*Am*  
Head of the Department

*D. C. Rangaraj*  
External Examiner

*28/6/20*

*M. Kishore*  
PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao  
College of Engineering & Technology  
Kotiapet, VIJAYAWADA-520 001

**A PROJECT REPORT ON  
EMPLOYEE MANAGEMENT SYSTEM USING DJANGO**

**A Mini Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN  
COMPUTER SCIENCE AND ENGINEERING**



Submitted By

<b>G.SAI DAYAKAR REDDY</b>	<b>(19KT1A0582)</b>
<b>L.CHANDU</b>	<b>(19KT1A0595)</b>
<b>K.THABITHA RAJ</b>	<b>(19KT1A0592)</b>
<b>K.RAVYA</b>	<b>(19KT1A0594)</b>

Under the Esteemed Guidance of

**Mrs. M.Nikitha ,M.Tech**

**Assistant Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)**

**KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**


**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**KOTHAPET, VIJAYAWADA-520001.**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

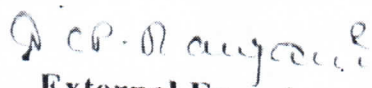


**CERTIFICATE**

This is to certify that the project work entitled "**ONLINE EXAMINATION SYSTEM USING DJANGO**" is a bonafide work carried out by Mr. RAVADI RAJ KUMAR (19KT1A05B5), Mr. PARELLA BRAHMAM (19KT1A05B0), Mr. MEKATHOTI PRABHU KUMAR (19KT1A05A3), Mr. ALAVALA GANESH (19KT1A0567). Fulfillment for the completion of the Mini Project in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2021-2022**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

  
**Project Guide**

  
**Head of the Department**

  
**External Examiner**

28/6/22

  
**PRINCIPAL**

Potti Sriramulu Chalavadi Mallikharjuna Rao,  
College of Engineering & Technology  
Kothapet, VIJAYAWADA-520 001.



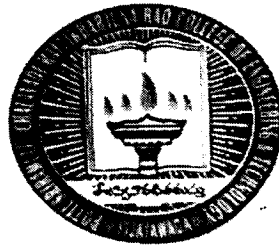
**A PROJECT REPORT ON  
ONLINE EXAMINATION SYSTEM USING DJANGO**

**A Mini Project Submitted to Jawaharlal Nehru Technological University, Kakinada in Partial  
fulfillments of Requirements for the Award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



Submitted By

<b>Mr.RAVADI RAJ KUMAR</b>	<b>(19KT1A05B5)</b>
<b>Mr.PARELLA BRAHMAM</b>	<b>(19KT1A05B0)</b>
<b>Mr.MEKATHOTI PRABHU KUMAR</b>	<b>(19KT1A05A3)</b>
<b>Mr. ALAVALA GANESH</b>	<b>(19KT1A0567)</b>

Under the Esteemed Guidance of

**Mr.G.V.S.R.K.Prasad**

**Associate Professor**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)  
KOTHAPET, VIJAYAWADA-520001, A.P**

**2019-2023**

### 1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years (10)

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship	Link to the relevant document
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	A DURGA RAO	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTIONS - (FINANCE) E14	MB193B2	2021-22	RAMA KRISHNA	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	BANDI NANDINI	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	BAVIRISETTY SAI SOWMYA	
Master of Business	OO	CONSUMER BEHAVIOR - (MARKETING) E14	MB193C1	2021-22	BALA DURGA	
Master of Business	OO	RETAIL MANAGEMENT - (MARKETING) E14	MB193C2	2021-22	B. DEEPTHI	
Master of Business	OO	CUSTOMER RELATIONSHIP MANAGEMENT - (MARKETING) E14	MB193C3	2021-22	B. DIVYA	
Master of Business	OO	STRATEGIC MARKETING MANAGEMENT - (MARKETING) E14	MB193C4	2021-22	BUDALA DAVID SALOMAN	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	TEJASWI	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTIONS - (FINANCE) E14	MB193B2	2021-22	CHAGANTI KEERTHANA	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	CH SANDEEP	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	CHENNA VENKATA SAI GOPAL	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	CH. V S S K TARUN KUMAR	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTIONS - (FINANCE) E14	MB193B2	2021-22	CH RAJA SEKHAR	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	CHITLURI LAKSHMI PRAVALLIKA	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	CH.SOWJANYA	
Master of Business	OO	LEADERSHIP AND CHANGE MANAGEMENT - (HR) E14	MB193A1	2021-22	D BHUVANESWARI	
Master of Business	OO	PERFORMANCE EVALUATION AND COMPENSATION MANAGEMENT - (HR) E14	MB193A2	2021-22	DEVISETTY.NAVYA	
Master of Business	OO	HUMAN CAPITAL MANAGEMENT - (HR) E14	MB193A4	2021-22	DOKKU VENKAT YOGESH	
Master of Business	OO	MANPOWER PLANNING, RECRUITMENT, AND SELECTION - (HR) E14	MB193A5	2021-22	EEPURI.BHAVANI	
Master of Business	OO	FINANCIAL DERIVATIVES-FINANCE(E14)	MB194B1	2021-22	GEDDA SRI CHAITANYA SAI	

Master of Business	OO	GLOBAL FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B2	2021-22	GOLLAPUDI SRIRANGA VALIJIKA	
Master of Business	OO	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4	2021-22	G SOBHA RANI	
Master of Business	OO	FINANCIAL DERIVATIVES-FINANCE(E14)	MB194B1	2021-22	G KAVYA KUMARI	
Master of Business	OO	GLOBAL FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B2	2021-22	KAKINADA NOOKA LASKHMI	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	K. VENKATA PADMAVATHI	
Master of Business	OO	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4	2021-22	KANNAMANENI MUKKANTI	
Master of Business	OO	STRATEGIC HRM -HR(E14)	MB194A5	2021-22	KAPILAVAYI KAMESWARI NAGA MANASWI	
Master of Business	OO	PROMOTIONAL AND DISTRIBUTION MANAGEMENT-MARKETING(E14)	MB194C2	2021-22	K UDAY KIRAN	
Master of Business	OO	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4	2021-22	KOLAKALURI JAYASRI	
Master of Business	OO	FINANCIAL DERIVATIVES-FINANCE(E14)	MB194B1	2021-22	KOMARA TEJASWINI	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	K.YASHODA	
Master of Business	OO	HUMAN CAPITAL MANAGEMENT - (HR) E14	MB193A4	2021-22	RAJITHA. KONGALETI	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	TULASI KORADHALA	
Master of Business	OO	CONSUMER BEHAVIOR - (MARKETING) E14	MB193C1	2021-22	K CHAITAYA JOSEPH	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	K.NAVYA BHAVANI	
Master of Business	OO	CUSTOMER RELATIONSHIP MANAGEMENT - (MARKETING) E14	MB193C3	2021-22	EESHWARA KRISHNA CHAITANYA MADIWADA	
Master of Business	OO	MANPOWER PLANNING, RECRUITMENT, AND SELECTION - (HR) E14	MB193A5	2021-22	M SHANTHI	
Master of Business	OO	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4	2021-22	MARAM SRAVAN VENKAT	
Master of Business	OO	FINANCIAL DERIVATIVES-FINANCE(E14)	MB194B1	2021-22	CHANDINI MOHAMMAD	
Master of Business	OO	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4	2021-22	MD.FARHEEN SULTHANA	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)		2021-22	M.MOHAN SURYA	
Master of Business	OO	HUMAN RESOURCES DEVELOPMENT -HR (E14)	MB194A4	2021-22	NAZMA.SHAIK	
Master of Business	OO	GLOBAL MARKETING MANAGEMENT-MARKETING(E14)	MB194C5	2021-22	PALLAPU SRAVANI	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	PACHA DEEPTHI	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)		2021-22	RAJESH PATCHIGALLA	



Master of Business	OO	LABOR WELFARE AND EMPLOYMENT LAWS - HR(E14)	MB194A1	2021-22	PATHAN MEHRAJ KHANAM	
Master of Business	OO			2021-22	P.GNANA PRANEETHA	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	PITTA NANDHINI	
Master of Business	OO	RETAIL MANAGEMENT - (MARKETING) E14	MB193C2	2021-22	POLASU SWATHI SUDHU RANI	
Master of Business	OO	HUMAN RESOURCES DEVELOPMENT -HR (E14)	MB194A5	2021-22	POLISETTY V DIVYA SRI VYSHNAVI	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	POTHARAJU V S SATYA SAI HARI PRASAD	
Master of Business	OO	EMPLOYEE RELATIONS AND ENGAGEMENT -HR (E14)	MB194A3	2021-22	POTHINA CHAITANYA	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	POTHURAJU SAMBA SIVA RAO	
Master of Business	OO	GLOBAL FINANCIAL MANAGEMENT- FINANCE(E14)	MB194B2	2021-22	P. DURGA BHAVANI	
Master of Business	OO	LABOR WELFARE AND EMPLOYMENT LAWS - HR(E14)	MB194A1	2021-22	PUNJABI REETU	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	RAVADI MOUNIKA	
Master of Business	OO	HUMAN RESOURCES DEVELOPMENT -HR (E14)	MB194A4	2021-22	RAYALA.HEMADEEPIKA	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	RAZIYA BEGUM	
Master of Business	OO	EMPLOYEE RELATIONS AND ENGAGEMENT -HR (E14)	MB194A3	2021-22	REDDY YASWANTH SAI MANIKANTA NAIDU	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	SAKETI SAI GOVARDHAN	
Master of Business	OO	STRATEGIC HRM -HR(E14)	MB194A5	2021-22	SARKAVARAPU KAVITHA	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	SATHA NAGA PAVANI	
Master of Business	OO	EMPLOYEE RELATIONS AND ENGAGEMENT -HR (E14)	MB194A4	2021-22	SATHULURI VENKAT	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	SYED AFZAL	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	SHAIK.KARISHMA	
Master of Business	OO	LABOR WELFARE AND EMPLOYMENT LAWS - HR(E14)	MB194A1	2021-22	SK MASTAN VALI	
Master of Business	OO			2021-22	SK SEEMA AFROZ	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	SHAIK SHARMILA	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	SHEIK SHAHANAZ BEGUM	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	AKKALA.SIREESHA	

Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	GONOGUNTALA DURGAMAHESH	
Master of Business	OO	HUMAN RESOURCES DEVELOPMENT -HR (E14)	MB194A4	2021-22	TATTIGOLLA.REKHA DEVI	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT (FINANCE) E14	MB193B1	2021-22	THIMMISSETTY RAJASRI	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	NALINISAITEJA	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	RAVI TEJA TUNGALA	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	VEMULA LAKSHMI BHARGAVI	
Master of Business	OO	STRATEGIC HRM -HR(E14)	MB194A5	2021-22	V NARASIMHA RAO	
Master of Business	OO	FINANCIAL DERIVATIVES-FINANCE(E14)	MB194B1	2021-22	YEMINENI.BHANODAYA	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	ADDALA LEELA KUMARI	
Master of Business	OO	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4	2021-22	B. HEMAVATHI	
Master of Business	OO	EMPLOYEE RELATIONS AND ENGAGEMENT -HR (E14)	MB194A3	2021-22	ALEKYA	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	B N V S KOUSALYA	
Master of Business	OO	SERVICES MARKETING-MARKETING(E14)	MB194C1	2021-22	DOMATOTI.DEEPIKAKIRANMAI	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	LAKSHMI SWETHA GUDIVADA	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	GUJJU SHALINI	
Master of Business	OO	RETAIL MANAGEMENT - (MARKETING) E14	MB193C2	2021-22	KANAJI ANIRUDH	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	NELATURI VIJAY	
Master of Business	OO	TAXATION - (FINANCE) E14	MB193B5	2021-22	NEMALIKANTLMOUNIKA	
Master of Business	OO	GLOBAL FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B2	2021-22	RAAVI NAGA MANIKANTA SAI	
Master of Business	OO	STRATEGIC MARKETING MANAGEMENT - (MARKETING) E14	MB193C4	2021-22	S. ACHYUTHANANDA SAGAR	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	GARIKAPATI. SUJANA DURGA SRI	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	TEJASWI PENUMASTHA	
Master of Business	OO	HUMAN RESOURCES DEVELOPMENT -HR (E14)	MB194A4	2021-22	CHANDA VIJAY KUMAR	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	B ROOPA	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	AAKASH CHINNAM	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)		2021-22	ADITYA JAJU	

Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	VIJAYASANTHI TIPPA	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	SHAIK FARHEEN	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	UDHAYANA DURGARAO	
Master of Business	OO	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4	2021-22	MD SHARMILA THASLEEM	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	P TRIPURA UMA SAI RAMA LAKSHMI	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	P NAVYA LAKSHMI	
Master of Business	OO	LABOR WELFARE AND EMPLOYMENT LAWS - HR(E14)	MB194A1	2021-22	TAMMANA LAKSHMI SRAVANTHI	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	MUTYAM RAMYA	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	MOUNIKA	
Master of Business	OO	SERVICES MARKETING-MARKETING(E14)	MB194C1	2021-22	TALABATTULA.DAKSHAYANI	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)		2021-22	K BHAVANA	
Master of Business	OO	ADVERTISING AND BRAND MANAGEMENT-MARKETING(E14)	MB194C4	2021-22	K.GOPICHAND	
Master of Business	OO	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1	2021-22	GAADI YESUBABU	
Master of Business	OO	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5	2021-22	PUNNAM SRILAKSHMI	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	PAGADALA VENKATA REDDY	
Master of Business	OO	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2	2021-22	HEMANTH KUMAR	
Master of Business	OO	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3	2021-22	AZHARUDDIN BASHA	
Master of Business	OO	FINANCIAL DERIVATIVES-FINANCE(E14)	MB194B1	2021-22	KALANGI VAMSI	

Signature of HOD





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COLLEGE OF ENGINEERING AND TECHNOLOGY**

**(Affiliated to Jawaharlal Nehru Technological University, Kakinada)**

**Kothapet, Vijayawada – 520001**

**CERTIFICATE**

This is to certify that this project report entitled “**A STUDY OF WORKING CAPITAL MANAGEMENT AT GATEWAY HOTEL, VIJAYAWADA**” is a bonafide work done by **BUDDHAVARAPU TEJASWI**, Regd no **20KT1E0010** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to **JNTU Kakinada University, Kakinada**.

**Dr. V. VIJAY DURGA PRASAD**

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PRINCIPAL

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**EXTERNAL EXAMINAR.**



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**CERTIFICATE**

This is to certify that this project report entitled A STUDY OF COMMODITY TRADING WITH GOLD FUTURES WITH REFERENCE TO BONANZA PORTFOLIO AT HYDERABAD is a bonafide work done by CH.KEERTHANA, Regd no: 20KT1E0011, under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

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**CERTIFICATE**

This is to certify that this project report entitled “**A STUDY OF ORGANISATIONAL DEVELOPMENT WITH REFERENCE TO KUSALAVA MOTORS** ” is a bonafide work done by **SANDEEP CHEBROLU**, Regd no **20KT1E0012** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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**EXTERNAL EXAMINER**





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**(Affiliated to Jawaharlal Nehru Technological University, Kakinada)**

**Kothapet, Vijayawada – 520001**

**CERTIFICATE**

This is to certify that this project report entitled “A STUDY ON COMPARATIVE ANALYSIS OF MUTUAL FUNDS WITH REFERENCE TO DBFS SECURITIES LIMITED.,VIJAYAWADA” is a bonafide work done by CHENNA VENKATA SAI GOPAL , Regd no 20KT1E00C13 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2020-2022) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

*V. Vijay Durga Prasad*

**Dr. V.VIJAY DURGA PRASAD**

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**EXTERNAL EXAMINER**



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This is to certify that this project report entitled **“A STUDY OF TRAINING AND DEVELOPMENT AT UNIVERSAL SOMPO INSURANCE PVT. LTD, HYDERABAD”** is a bonafide work done by **CH. V.S.S.K. TARUN KUMAR**, Regd no **20KT1E0014** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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Kothapet, Vijayawada – 520001

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This is to certify that this project report entitled “**A STUDY ON THE EFFECT OF BUDGET AND BUDGETORY CONTROL ON MANAGEMENT PERFORMANCE WITH REFERENCE TO TECUMESEH PRODUCTS INDIA PVT.LTD AT HYDERABAD**” is a bonafide work done by **CH. RAJ SEKHAR**, Regd no **20KT1E0015** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in Potti Sriramulu Chalavadi Mallikharjuna Rao College of **Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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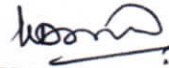
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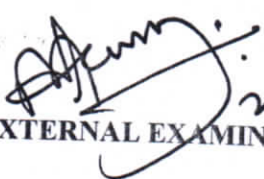
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This is to certify that this project report entitled **A STUDY OF RATIO ANALYSIS STATEMENT OF 3F INDUSTRIES LIMITED AT THADEPALLIGUDEM** is a bonafide work done by **CHITLURI LAKSHMI PRAVALLIKA** Regd no 20KT1E0016 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
**Dr. S. MANIKANTA**  
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**Dr. V. VIJAY DURGA PRASAD**  
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Kothapet, Vijayawada – 520001

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This is to certify that this project report entitled “**A STUDY OF HUMAN RESOURCE STRATEGY**” is a bonafide work done by **CHOKKA SOWJANYA**, Regd no 20KT1E0017 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled "**A STUDY OF WELFARE MEASURES OF EMPLOYEES AT UI PIPES FITTINGS PVT LTD**" is a bonafide work done by **DANGETI BHUVANESWARI**, Regd no: 20KT1E0018 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

**Dr. S. MANIKANTA**  
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**Kothapet, Vijayawada – 520001**

**CERTIFICATE**

This is to certify that this project report “**A STUDY OF WORKING CAPITAL WITH REFERENCE TO K.C.P SUGAR AND INDUSTIES CORPORATION LTD, LAKSHMIPURAM** ” entitled is a bonafide work done by **ALAMANDA DURGA RAO**, Regd no: **20KT1E0002** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

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Professor & Head of the Department

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This is to certify that this project report entitled **A STUDY OF CUSTOMER SATISFACTION WITH REFERENCE TO HINDUSTAN COCO – COAL BEVERAGES PRIVATE LIMITED MOULALI, HYDERABAD** "is a bonafide work done by **B. RAMA KRISHNA**, Regd no **20KT1E0003** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

*V. Vijay Durga Prasad*

**Dr. V.VIJAY DURGA PRASAD**

Project guide, Professor & Head of the Department.

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This is to certify that this project report entitled “**A STUDY ON BUDGETORY CONTROL AT ZUARI CEMENT PVT. LTD., GUNTUR**” is a bonafide work done by **B.NANDINI**, Regd no **20KT1E0004** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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COLLEGE OF ENGINEERING AND TECHNOLOGY**

**(Affiliated to Jawaharlal Nehru Technological University, Kakinada)**

**Kothapet, Vijayawada – 520001**

**CERTIFICATE**

This is to certify that this project report entitled “A Relative Study of Risk and Return in Stock Markets and Equity Mutual Funds with Reference to Bonanza Portfolio LTD in Vijayawada.” is a bonafide work done by **B. SAI SOWMYA**, Regd no **20KT1E0005** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

**Dr. V.VIJAY DURGA PRASAD**

Professor & Project Guide

**Dr. V.VIJAY DURGA PRASAD**

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**EXTERNAL EXAMINAR**



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COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Kothapet, Vijayawada – 520001


**CERTIFICATE**

This is to certify that this project report entitled “**A STUDY OF TRAINING AND DEVELOPMENT AT UNIVERSAL SOMPO INSURANCE PVT.LTD., HYDERABAD**”

is a bonafiedS work done by **BEESAPU BALA DURGA** , Regd no **20KT1E0006** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

**Dr. V.VIJAY DURGA PRASAD**

Project guide, Professor & Head of the Department.

  
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**EXTERNAL EXAMINER**



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(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Kothapet, Vijayawada – 520001

**CERTIFICATE**

This is to certify that this project report entitled “A COMPARITIVE ANALYSIS OF INDIAN STOCK MARKET INDEX WITH INTERNATIONAL INDICES” WITH REFERENCE TO SHARE KHAN COMPANY, VIJAYAWADA” is a bonafide work done by BEJJI DEEPTHI, Regd no 20KT1E0007 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2020-2022) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

**Dr. V. VIJAY DURGA PRASAD**

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**EXTERNAL EXAMINER**

Principal  
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**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)  
Kothapet, Vijayawada - 520001

**CERTIFICATE**

This is to certify that this project report entitled "**A STUDY ON WORKING CAPITAL OF KEERTHI INDUSTRIES LIMITED AT HYDERABAD**" is a bonafide work done by **BEJJI DIVYA**, Regd no **20KT1E0008** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to **JNTU Kakinada University, Kakinada**.

**Dr. V. VIJAY DURGA PRASAD**

Project guide, Professor & Head of the Department

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This is to certify that this project report entitled “A Study of Investor Perception Towards Investments In Mutual Funds With Reference To Pcs Securities Limited Hyderabad” is a bonafide work done by **Budala David Saloman**, Regd no **20KT1E0009** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

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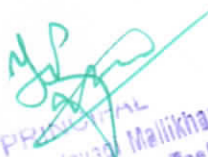
This is to certify that this project report entitled “**A STUDY ON FINANCIAL STATEMENT ANALYSIS OF MODEL DAIRY PRIVATE LIMITED, VIJAYAWADA, A.P**” is a bonafide work done by **EESWAR KRISHNA CHAITANYA MADIVADA** , Regd no **20KT1E0039** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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This is to certify that this project report entitled “A STUDY OF FIXED ASSETS MANAGEMENT WITH REFERENCE TO 3F INDUSTRIES LTD” is a bonafide work done by **MANDARAPU SANTHI**, Regd no 20kTIE0041 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **POTTI SRIRAMULU ENGINEERING COLLEGE of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


  
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This is to certify that this project report entitled “**A RELATIVE STUDY ON BRIC COUNTRIES STOCK INDICES WITH REFERENCE BALAJI EQUITIES LIMITED.,GUNTUR**” is a bonafide work done by **MARAM SRAVAN VENKAT**, Regd no **20KT1E0042** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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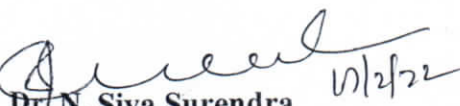
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This is to certify that this project report entitled "**A STUDY ON SELECTED MUTUAL FUND SCHEMES WITH REFERENCES TO KOTAK SECURITIES LTD, VIJAYAWADA**" is a bonafide work done by **MD. FARHEEN SULTHANA**, Regd no **20KT1E0044** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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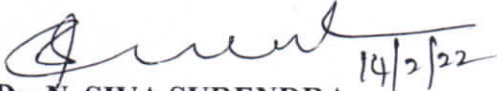
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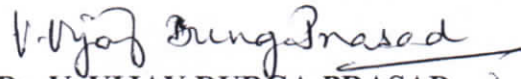
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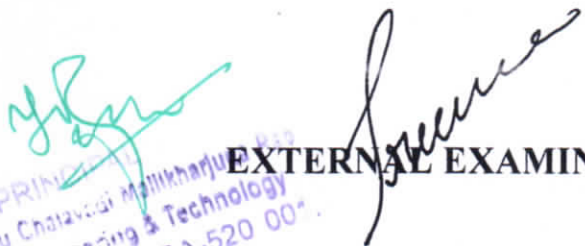
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This is to certify that this project report entitled “**A Study of Investor Perception Towards Investments In Mutual Funds With Reference To DBFS Securities Limited Vijayawada**” is a bonafide work done by **MOHAN SURYA MUDUNURI**, Regd no:20KT1E0045 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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This is to certify that this project report entitled “TRAINING AND DEVELOPMENT OF EMPLOYEES AT HETERO DRUGS LIMITED” is a bonafide work done by DEVISETTY.NAVYA, Regd no 20KT1E0019 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled **A STUDY ON TREND ANALYSIS OF FINANCIAL STATEMENTS AT CORAMANDEL AGRO PRODUCTS AND OIL LTD** "is a bonafied work done by **D. VENKAT YOGESH**, Regd no **20KT1E0020** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled “**A STUDY ON FINANCIAL STATEMENT ANALYSIS AT UNIVERSAL SOMPO INSURANCE PVT.LTD, HYDERABAD**” is a bonafied work done by **E. BHAVANI**, Regd no **20KT1E0021** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada**, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled **“A STUDY OF RATIO ANALYSIS AT GENTING LANCO POWER (India) PVT.LTD, KONDAPALLI”** is a bonafide work done by **GOLLAPUDI SRIRANGA VALLIKA**, Regd no:20KT1E0023 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled **A Study of Recruitment and Selection with Reference of Star Health and Allied Insurance Pvt Ltd., Chennai**, is a bonafide work done by GRAMS SOBHA RANI, Regd no:20KT1E0024 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

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This is to certify that this project report entitled “A STUDY OF WORKING CAPITAL MANAGEMENT WITH RESPECT TO L.G. ELECTRONICS., HYDERABAD” is a bonafied work done by G .KAVYA KUMARI , Regd no 20KT1E0025 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2020-2022) in PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled “A STUDY ON FINANCIAL ANALYSIS IN KRISHNA DISTRICT MILK PRODUCERS MUTUALLY AIDED CO-OPERATIVE UNION LIMITED” is a bonafied work done by K.VENKATA PADMAVATHI , Regd no 20KT1E0027 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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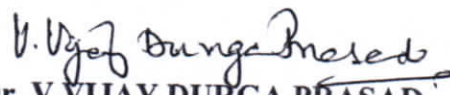
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This is to certify that this project report entitled “A STUDY OF BRAND LOYALTY OF CUSTOMERS WITH REFERENCE TO MY HOME INDUSTRIES LIMITED, VISAKHAPATNAM” is a bonafide work done by **KATTEPOGU UDAY KIRAN**, Regd no- 20KT1E0030 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2020-2022) in PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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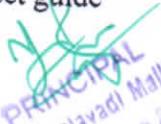
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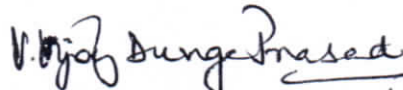
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This is to certify that this project report entitled **“A STUDY OF FUNDAMENTAL ANALYSIS OF SELECTED STOCKS IN FMCG SECTOR, DBFS SECURITIES LIMITED”** is a bonafied work done by **KOMARA TEJASWINI**, Regd no **20KT1E0032** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Bysiness Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
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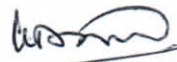



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This is to certify that this project report entitled “**A STUDY ON RECRUITMENT & SELECTION AT EDLOGIX SOFTWARE SOLUTIONS PVT LTD, HYDERABAD**” is a bonafide work done by **KOMMURI YASHODA**, Regd no: 20KT1E0033 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
**Dr. N. SIVA SURENDRA**  
Professor & Project guide

  
**Dr. V. VIJAY DURGA PRASAD**  
Professor & Head of the Department

  
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**External Examiner**



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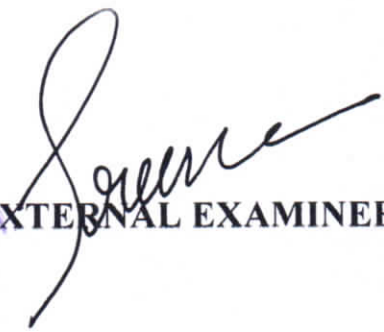
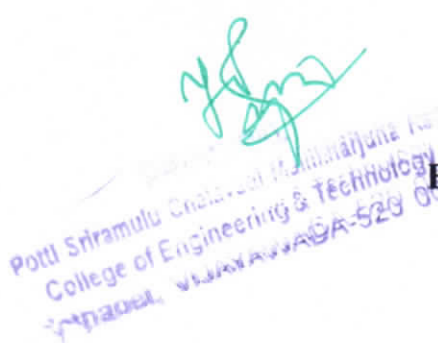
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This is to certify that this project report entitled “**A STUDY OF INVENTORY MANAGEMENT WITH REFERENCE TO PHOENIX MOTORS PVT.LTD., HYDERABAD**” is a bonafied work done by **TULASI KORADHALA**, Regd no **20KT1E0036** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Science in Information Technology (2020-2022) in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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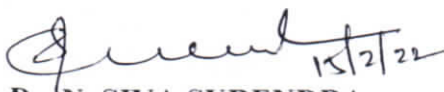
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This is to certify that this project report entitled **“A STUDY OF EQUITY ANALYSIS  
SELECTED STOCKS IN FMCG INDUSTRY WITH REFERENCE TOWAY 2  
WEALTH AT HYDERABAD”** is a bonafide work done by **KOTA CHAITANYA  
JOSEPH**, Regd No. **20KT1E0037** under my guidance and supervision in partial fulfillment  
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**Kothapeta, Vijayawada – 520001.**

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This is to certify that this project report entitled **“A STUDY OF EMPLOYEE COMPENSATION AND BENEFIT MANAGEMENT AT CITY MOTORS PVT LTD, VISHAKAPATNAM.”** is a bonafide work done by **KUNAGU NAVYA BHAVANI**, Regd no 20KT1E0038 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapeta, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
**Dr. N SIVA SURENDRA**

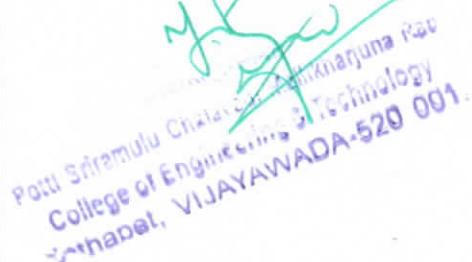
Professor & Project guide



**Dr. V. VIJAY DURGA PRASAD**

Professor & Head of the Department

  
**EXTERNAL EXAMINER**

  
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This is to certify that this project report entitled **"COMPARATIVE ANALYSIS ON PERFORMANCE OF RISK AND RETURN OF MUTUAL FUNDS."** is a bonafide work done by **SARKAVARAPU KAVITHA**, Regd no 20KT1E0067 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramuluChalavadiMallikharjunaRao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
**S. PRAVEEN**  
Project guide

  
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This is to certify that this project report entitled “A STUDY OF EMPLOYEE STRESS MANAGEMENT IN KUSALAVA INTERNATIONAL AGIRIPALLI” Regdno”20KTIE0068” under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2020-2022) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled “**A RELATIVE STUDY ON STOCK MARKET RETURNS ON BRIC INDICES WITH REFERENCE TO BONANZA AT VIJAYAWADA**” is a bonafide work done by **SATHULURI VENKAT** Regd no **20KT1E0069** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
**Mr. S. PRAVEEN**

Associate Professor & Project guide.

  
**Dr. V. VIJAY DURGA PRASAD**

Professor & Head of the Department.

  
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This is to certify that this project report entitled “**A STUDY OF BUDGETING CONTROL WITH REFERENCE TO UI PIPE FITTINGS PVT LTD**” is a bonafide work done by **SYED AFZAL** Regd no **20KT1E0070** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
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This is to certify that this project report entitled “**A STUDY OF RATIO ANALYSIS WITH REFERENCE TO TECUMSEH PRODUCTS INDIA PVT.LTD**” is a bonafied work done by **SHAIK KARISHMA**, Regd no **20KT1E0071** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

**Mr. S. PRAVEEN**

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This is to certify that this project report entitled “A COMPARATIVE STUDY OF PRIVATE BANK INDICES AND PUBLIC BANK INDICES IN NETWORTH STOCK BROKING LTD, VIJAYAWADA” is a bonafide work done by **SHAIK MASTAN VALI** Regd no **20KT1E0072** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
**Mr. S. PRAVEEN**

Associate Professor & Project guide.

  
**Dr. V. VIJAY DURGA PRASAD**

Professor & Head of the Department.

  
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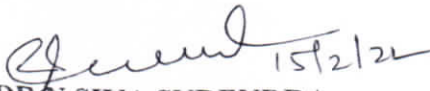
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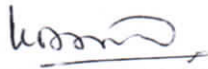
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**DR.N.SIVA SURENDRA**  
Professor & Project guide

  
**Dr. V.VIJAY DURGA PRASAD**  
Professor & Head of the Department

  
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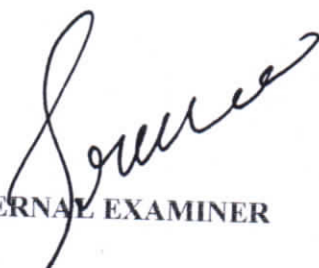
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This is to certify that this project report entitled “A STUDY ON FUNDS FLOW AND CASH FLOW ANALYSIS WITH REFERENCE TO ESSEN INDUSTRIAL PVT.LTD. HYDERABAD” is a bonafide work done by **P.Sravani**, Regd no20KT1E0047 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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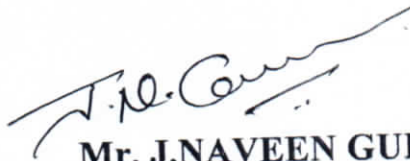
  
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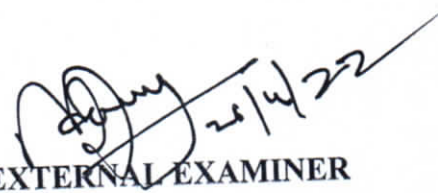
  
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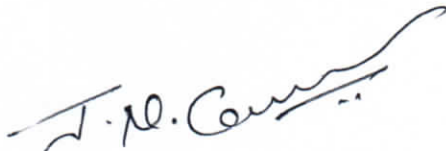
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**Mr. J.NAVEE NGUPTA**

Associate Professor & Project guide,

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Professor & Head of the Department.

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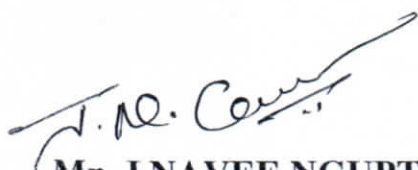
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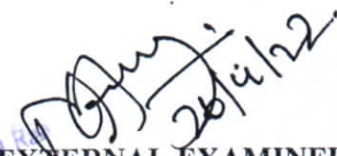
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This is to certify that this project report entitled **A STUDY OF FIXED ASSETS MANAGEMENT AT KESORAM CEMENT, VIJAYAWADA** is a bonafide work done by **PITTA NANDHINI**, Regd no 20KT1E0053 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
**Mr. J. NAVEEN GUPTA**  
Associate Professor, Project guide

  
**Dr. V. VIJAY DURGA PRASAD.**  
Professor & Head of the Department

  
  
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This is to certify that this project report entitled **“A STUDY OF CASH FLOW MANAGEMENT AT SUNDERSHAN BIOTECH LIMITED”** is a bonafied work done by **POLASU SWATHI SUDHA RANI**, Regd no **20KT1E0054** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, affiliated to JNTU Kakinada University, Kakinada.**

**Mr. J.NAVEENGUPTA**

Associate Professor & Project guide

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Professor & Head of the Department.

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This is to certify that this project report entitled “**A REPORT ON WORKING CAPITAL MANAGEMENT AT MY HOME INDUSTRIES LTD., VISAKHAPATNAM**” is a bonafide work done by **P. V.D.S.VYSHNAVI**, Regd no **20KT1E0055** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

**Mr. J.NAVEE NGUPTA**

Associate Professor & Project guide,

**Dr. V.VIJAY DURGA PRASAD**

Professor & Head of the Department.

**EXTERNAL EXAMINER**  
26/4/22  
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College of Engineering & Technology  
Kothapet, VIJAYAWADA - 520001





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This is to certify that this project report entitled “A COMPARATIVE STUDY ON SIP AND LUMP SUM INVESTMENT IN MUTUAL FUNDS AT BONANZA PORTFOLIO LTD., VIJAYAWADA” is a bonafide work done by POTHARAJU V S SATYA SAI HARI PRASAD, Regd no 20KT1E0056 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2020-2022) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


  
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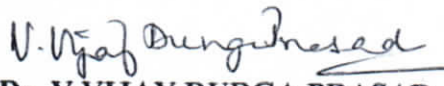
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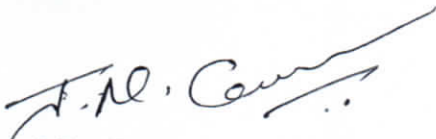
  
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This is to certify that this project report entitled “**STUDY ON CASHFLOW ANALYSIS AT KESORAM CEMENT, HYDERABAD**” is a bonafide work done by **P. DURGA BHAVANI**, Regd. 20KT1E0059 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
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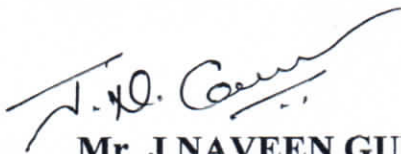
  
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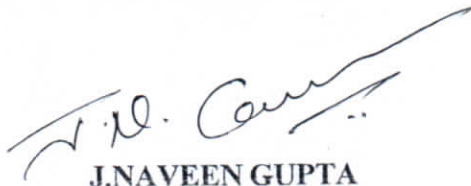


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This is to certify that this project report entitled " A STUDY ON FUNDS FLOW ANALYSIS AT COROMANDEL AGRO PRODUCTS AND OIL LTD, CHIRALA is a bonafide work done by RAVADI MOUNIKA Regd no 20KT1E0061 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

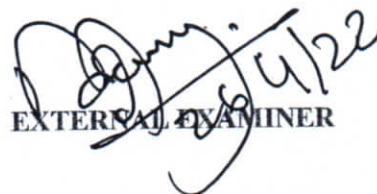
  
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This is to certify that this project report entitled “A STUDY OF PERFORMANCE OF MUTUAL FUNDS WITH REFERENCE TO ICICI DIRECT, HYDERABAD” is a bonafide work done by **RAYALA.HEMADEEPIKA**, Regd no **20KT1E0063** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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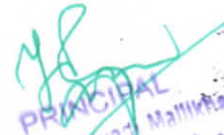
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Associate Professor & Project guide.

  
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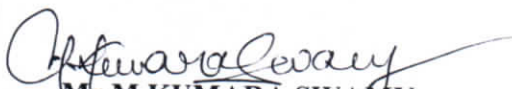
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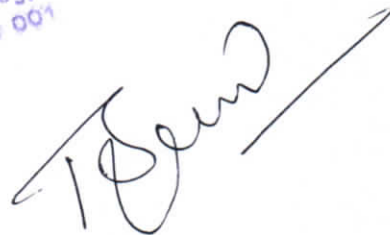
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This is to certify that this project report entitled “**A STUDY ON COMPARTIVE ANALYSIS OF FINANCIAL STATEMENTS AT TECUMESEH PRODUCTS INDIA PRIVATE LIMITED HYDERABAD**” is a bonafide work done by **ADDALA LEELA KUMARI**, Regd no **20KT1E0085** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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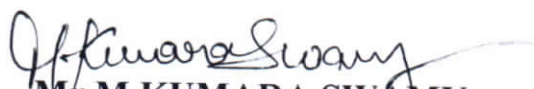




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This is to certify that this project report entitled “A STUDY OF THE CAPITAL STRUCTURE ANALYSIS AT KUSALAVA INTERNATIONAL.,GOLLAGUDAM” is a bonafide work done by **B. HEMANTH**, Regd. No. 20K11E0080 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

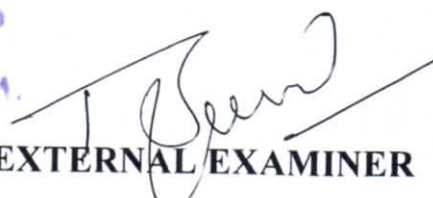
  
**Mr.M.KUMARA SWAMY**

Assistant Professor & Project guide.

  
**Dr.V.VIJAY DURGA PRASAD**

Professor & Head of the Department.

  
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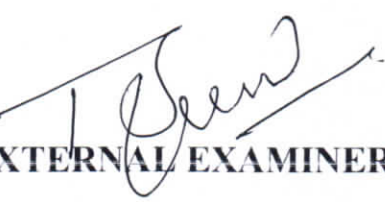
  
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*For. S. Vasudeva*  
**Mr.M.KUMARA SWAMY**

Assistant professor & Project guide.

*Dr. V. Vijay Durga Prasad*  
**Dr.V.VIJAY DURGA PRASAD**  
Professor & Head of the Department.

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*[Signature]*  
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Assistant Professor & Project guide.

  
**Dr. V. VIJAY DURGA PRASAD**

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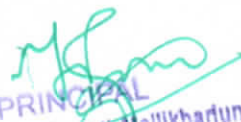
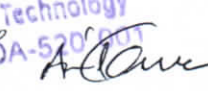
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This is to certify that this project report entitled “A STUDY OF COROMADEL AGRO PRODUCTS AND OILS LTD, CHIRALA” is a bonafide work done by KANAJI ANIRUDH , Regd no 20KT1E0093 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2020-2022) in Potti Sriramulu Chalavadi MallikharjunaRao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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Professor & Head of the Department.

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This is to certify that this project report entitled “A STUDY ON CASH FLOW ANALYSIS AT COROMANDEL AGRO PRODUCTS AND OILS LIMITED, HYDERABAD” is a bonafide work done by **SHAIK SHARMILA**, Regd no20KT1E0074 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled “**A STUDY OF FINANCIAL LEVERAGES AND ITS IMPACT ON FINANCIAL PERFORMANCES AT 3F INDUSTRIES, TADEPALLIGUDEM**” is a bonafide work done by **SHAIK SHAHANAZ BEGUM** Regd no **20KT1E0075** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**


  
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This is to certify that this project report entitled “**A STUDY OF JOB SATISFACTION OF EMPLOYEES AT METRO PVT LTD HYDERBAD**” is a bonafide work done by **AKKALA SIREESHA**, Regd no 20KT1E0076 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2020-2022) in PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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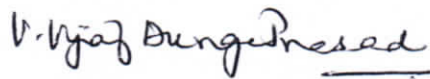
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This is to certify that this project report entitled “A STUDY ON BRAND MANAGEMENT STRATEGIES OF HERO BIKES AT PHOENIX MOTORS PVT. LTD HYDERABAD” is a bonafide work done by **G. DURGA MAHESH**, Regd no **20KT1E0077** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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This is to certify that this project report entitled “**A STUDY OF RATIO ANALYSIS IN KUSALAVA INTERNATIONAL LTD. AT VIJAYAWADA**” is a bonafide work done by **TATTIGOLLA REKHA DEVI**, Regd no 20KT1E0078 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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This is to certify that this project report entitled “**A STUDY OF FUNDS FLOW AT APHMEL, KONDAPALLI VIJAYAWADA**” is a bonafide work done by **THIMMISETHYRAJASRI** Regd no 20KT1E0079 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
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This is to certify that this project report entitled “**A STUDY OF CHANNELS OF DISTRIBUTION AT COROMANDEL AGRO PRODUCTS AND OILS LTD, CHIRALA**” is a bonafide work done by **NALINI SAI TEJA**, Regd no **20KT1E0080** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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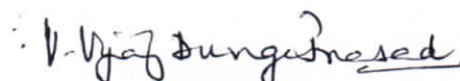
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This is to certify that this project report entitled “**A REPORT OF EQUITY ANALYSIS OF SELECTED STOCKS IN AUTOMOBILE SECTOR AT HYDERABAD**” is a bonafide work done by **RAVI TEJA TUNGALA**, Regd no 20KT1E0081 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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This is to certify that this project report entitled “A STUDY OF RATIO ANALYSIS ON FINANCIAL ANALYSIS AT ZUARI CEMENT.,HYDERABAD” is a bonafied work done V. NARASIMHA RAO Regd no 20KT1E0083 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


  
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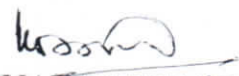
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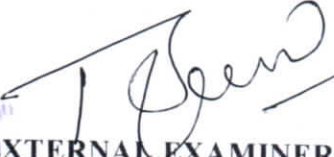
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This is to certify that this project report entitled “A STUDY OF FUNDAMENTAL ANALYSIS OF SELECTED STOCKS IN BANKING SECTOR IN PSC SECURITIES LIMITED AT HYDERABAD” is a bonafide work done by **Y.BHANODAYA**, Regd no **20KT1E0084** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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This is to certify that this project report entitled **A Study of Customer Service Effectiveness at ICICI Securities Pvt Ltd** is a bonafide work done by **Aditya Kumar Jaji** Reg no: 20KT1E00A8 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
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This is to certify that this project report entitled “**A COMPARATIVE STUDY OF VARIOUS MUTUAL FUND SCHEMES AT WAY 2 WEALTH, HYDERABAD**” is a bonafide work done by **T. VIJAYA SANTHI**, Regd no **20KT1E00A9** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada

  
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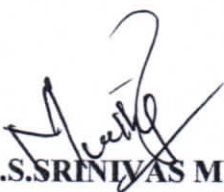
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This is to certify that this project report entitled “**A REPORT ON EQUITY ANALYSIS BONANZA AT HYDERABAD**” is a bonafide work done by **U. DURGA RAO** Regd no **20KT1E00B1** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada** Affiliated to **JNTU Kakinada University, Kakinada**.

  
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This is to certify that this project report entitled “**A REPORT OF EMPLOYEE STRESS MANAGEMENT WITH REFERENCE TO HETERO DRUG LIMITED., HYDERABAD**” is a bonafide work done by **SHARMILA THASLEEM**, Regd no **20KT1E00B3** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
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This is to certify that this project report entitled “A STUDY OF EMPLOYEE RECRUITMENT AND SELECTION PROCESS OF COROMANDEL AGRO PRODUCTS AND OILS LTD.,CHIRALA” is a bonafide work done by **P. NAVYA LAKSHMI**, Regd no **20KT1E00B5** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

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This is to certify that this project report entitled “A STUDY ON PERFORMANACE ANALYSIS OF MUTUAL FUNDS SCHEMES AT SHRIRAM INSIGHT SHARE BROKERS LTD” is a bonafide work done by **T. L. SRAVANTHI**, Regd no **20KT1E00B6** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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This is to certify that this project report entitled “**A STUDY OF EVALUATION OF FINANCIAL PERFORMANCE OF ESSEN INDUSTRY PVT.LTD AT HYDERABAD**” is a bonafide work done by **M .RAMYA** , Regd no **20KT1E00B7** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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This is to certify that this project report entitled “**A STUDY ON TRAINING AND DEVELOPMENT AT MY HOME INDUSTRIES LIMITED**” is a bonafide work done by **T.MOUNIKA**, Regd no **20KT1E00B8** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


  
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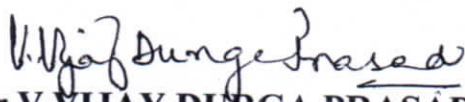
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This is to certify that this project report entitled “A REPORT ON INVESTOR PERCEPTION TOWARDS INVESTMENTS IN MUTUAL FUNDS AT ARIHANT CAPITAL MARKETS LIMITED., AT SECUNDERABAD” is a bonafide work done by DAKSHAYANI TALABATTULA, Regd no 20KT1E00C1 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

  
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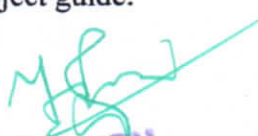
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This is to certify that this project report entitled “**A STUDY OF INVENTORY MANAGEMENT AT UNIPARTS INDIA LIMITED., VISAKHAPATNAM**” is a bonafide work done by **R. NAGA MANIKANTA SAI**, Regd no **20KT1E0099** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of **Master of Business Administration (2020-2022)** in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**

  
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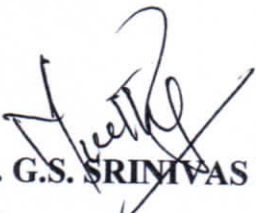
  
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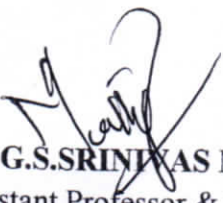
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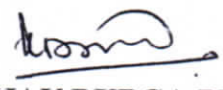
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Assistant professor & Project guide.

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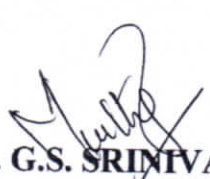
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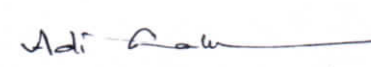
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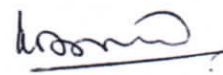
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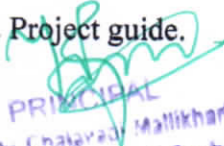
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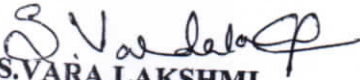
  
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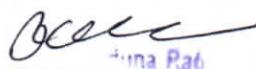



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(Assistant Professor & Project guide)

  
**Dr. V. VIJAY DURGA PRASAD**  
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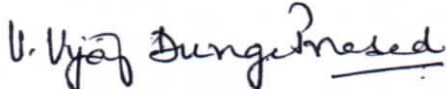
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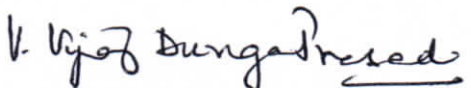
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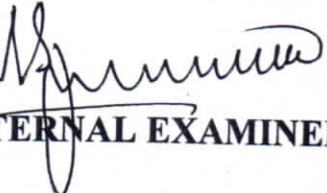
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**Mrs.S.VARALAKSHMI**

Assistant professor & Project guide.

  
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Professor & Head of the Department.

  
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