

FIELD TRIP OF STUDENTS TO ISRO 26/11/2021



*Mavy*  
**PRINCIPAL**  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bachchanuda, Hyd-500 005.



FIELD TRIP OF STUDENTS TO INFOSYS CAMPUS ON 31<sup>ST</sup> AUGUST 2019



SHOT ON MI A2  
MI DUAL CAMERA

*Mahaveer*  
PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



FIELD TRIP OF STUDENTS TO INFOSYS CAMPUS ON 18TH SEPTEMBER 2018



*Kavya*  
**PRINCIPAL**  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
BANDLAGUADA, HYD-500 005.



## DEPARTMENT OF CIVIL ENGINEERING

2020-2021

### PROJECT BATCH LIST

#### BATCH-1

S.No	H.T.No of students	Name of the students	Name of the Guide	Title of the project
1	17E31A0101	A.JANAKI	G.ARUHA	DESIGN AND ESTIMATION OF READY MIX CONCRETE PLANT
2	17E31A0122	M.ARUH KUMAR		
3	17E31A0139	SHIVAIATRINI KUMAR		
4	17E31A0143	T.PAVANI		
5	17E31A0144	Y.SAI YASHASWINI		

#### BATCH-2

6	17E31A0102	ARSHI FIRDAUSH	B.VARALAXMI	DAMAGE DETECTION IN STRUCTURAL ELEMENTS AND EFFECT OF FREQUENCY RANGE USING ENI
7	17E31A0103	B.SCHAN LAL		
8	17E31A0113	D.SMARANI		
9	17E31A0121	MA.GHANI UDDUIN		
10	17E31A0135	P.SAI PRASAD		

#### BATCH-3

11	17E31A0141	SK.REHAMATH BABA	Dr.VASANTH LAXMI	SOLID WASTE MANAGEMENT IN TELANGANA STATE DURING COVID-19
12	17E31A0125	M.D.MUQTAR PATEL		
13	17E31A0105	B.RAJU		
14	18E35A0111	P.DEEPA SREE		
15	19E38A0101	G.VENKATA ABHIGYAN SHARMA		

#### BATCH-4

16	17E31A0140	S.AVINASHI	K.SAI PRADEEP	DEVELOPMENT OF RECYCLED PET FIBER AND IT'S APPLICATIONS IN CONCRETE
17	17E31A0138	S.SRIDHAR		
18	17E31A0142	S.HANSHIVARDHAN		
19	18E35A0102	B.VANAPRASAD		

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Bandlaguda, Hyd-500 005





20	18E35A0105	D.KIRAN KUMAR		REINFORCING FIBER
BATCH-5				
21	18E35A0113	S.TEJASWINI	CH.SWETHAMBER	ANALYSIS AND DESIGN OF MULTI STORED BUILDING USING STAAD PRO
22	18E35A0109	M.MOUNIKA		
23	18E35A0112	P.RAGHIVENDAR		
24	17E31A0106	B.RAVI KUMAR		
25	17E31A0116	H.HARI KRISHNA		
BATCH-6				
26	17E31A0107	B.VIJAY KUMAR	M.SAI KUMAR SAGAR	SOIL STABILIZATION BY USING EGG SHELL POWDER AND MARBLE DUST
27	17E31A0108	C.VIKAS REDDY		
28	17E31A0109	C.MANIKANTA		
29	17E31A0110	D.TEJA		
BATCH-7				
30	17H11A0118	MD ALTHAF	B.RAMJAN KUMAR	ANALYSIS OF DESIGN OF HOSPITAL G-3 USING E-TABS
31	17H11A0119	MD.ASIM ADNAN		
32	17H11A0102	ABUBAKAR		
33	17E31A0128	MD. MAJED UDDIN		
34	18E35A0101	ADNAN ABDUL WASI		
BATCH-8				
35	18E35A0114	U.VENU GOPAL	CH.HEMALATHA	STUDY ON STRENGTH CHARACTERISTICS OF SAND
36	18E35A0110	P.AJOK		
37	18E35A0107	M.TUSHAL YADAV		
38	18E35A0106	K.KRANTHI KUMAR		
39	18E35A0108	M.KRISHNA		

100

*Handwritten signature and date: 10/10/21*

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**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY  
Vyasapuri, Bandlaguda, Keshavagiri (post), Hyderabad-500005



ESTD : 2001

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the major project entitled "DESIGN AND ESTIMATION OF READY MIX CONCRETE PLANTS" is being submitted by

A. JANAKI	(17E31A0101)
M. ARUN KUMAR	(17E31A0122)
S. KUMAR	(17E31A0139)
T. PAVANI	(17E31A0143)
Y. SAI YASHASWINI	(17E31A0144)

Under my supervision and submitted in the partial fulfilment of the requirement for the award of "BACHELOR OF TECHNOLOGY" in CIVIL ENGINEERING by the JAWAHARLAL NEHRU INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, Telangana during the academic year 2017-2021

PROJECT GUIDE

Ms. G. ARUNA 

ASST. PROFESSOR

HEAD OF DEPARTMENT  
Ms. CH. SWETHAMBER



EXTERNAL GUIDE

PRINCIPAL  
DR. H. NAGESHWAR RAO

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.







ESTD : 2001

**MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY**  
( Approved by AICTE , Affiliated to JNTU , HYDERABAD )  
Vyasapuri ,Bandlaguda, post keslavgiri (p.o), Hyderabad-500005.


**BONA FIDE CERTIFICATE**


This is to certify that the thesis titled  
**"DAMAGE DETECTION IN STRUCTURAL ELEMENTS AND  
EFFECT OF FREQUENCY RANGE USING EMI TECHNIQUES"**

is being submitted by


ARSHI FIRDAUSI	17E31A0102
B. SOHAN LAL	17E31A0103
DEVALLA SMARANI	17E31A0113
M.A. GHANI UDDIN	17E31A0121
P. SAI PRASAD	17E31A0135

In partial fulfillment of the requirement of the award of "BACHELOR OF TECHNOLOGY" in civil engineering to JNTU Hyderabad. This record is a bonafide work carried out by them under guidance and supervision. The results embodied in this thesis had not been submitted to any other University/Institute for the award of any degree/diploma.

  
INTERNAL GUIDE  
B. VARALAKSHMI  
Department of Civil Engineering

  
CHESWETHAMBER  
Head of the Department  
Department of Civil Engineering

EXTERNAL GUIDE

  
PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

# MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY

(Approved by AICTE & Affiliated to JNTUH, Hyderabad)

Vyasapuri, Bandlaguda, Hyderabad - 500005

DEPARTMENT OF CIVIL ENGINEERING



ESTD : 2001

## CERTIFICATE

This is to certify that Major Project entitled "SOLID WASTE MANAGEMENT IN TELANGANA STATE 2020-2021" is being submitted by B. RAJU, MUQTAR PATEL, REMATHI BABA, P. DEEPASREE, GV, ABHIGYAN bearing hall ticket numbers 17E31A0105, 17E31A0125, 17E31A0141, 18E35A0111, 19E38A0101 respectively in partial fulfillment for the award of degree of Bachelor in Technology in Civil Engineering. Mahaveer Institute of Science and Technology, is a record of bonafide work carried out by them. The result embodied in this report has been submitted in any other university for award of any degree.

*Laxmi*  
26/6/21  
DR.M. VASANTA LAXMI

INTERNAL GUIDE

*[Signature]*  
CHILSWETHAMBER

HEAD OF DEPARTMENT

EXTERNAL EXAMINER

*[Signature]*  
DEEPA GESWARA RAO

PRINCIPAL

*[Signature]*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



# MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY

Vyasapuri, Bandlaguda, Keshavnigri(post) Hyderabad -500005



ESTD : 2001

## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that the major project entitled "DEVELOPMENT OF RECYCLED PET FIBER AND ITS APPLICATION AS CONCRETE REINFORCING FIBER" is been submitted by

S.SREEDHAR	17E31A0138
S.AVINASH	17E31A0140
S.HARSHAVARDHAN	17E31A0142
B.VARAPRASAD	18E35A0102
D.KIRAN KUMAR	18E35A0105

Under my supervision and submitted in the partial fulfillment of the requirement for the award of "BACHELOR OF TECHNOLOGY" in CIVIL ENGINEERING by the JAWAHARLAL INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, Telangana during the academic year 2017-2021

PROJECT GUIDE

MR. K.SAI PRADEEP  
ASST.PROFESSOR

EXTERNAL EXAMINER

HEAD OF DEPARTMENT

CH.SWETHAMBER

DR. ANAGISHWAR RAO  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

HYDERABAD-500005



ESTD: 2001

CERTIFICATE

This is to certify that the major project entitled "ANALYSIS AND DESIGN OF MULTISTORIED BUILDING USING STADD PRO" submitted by

B.RAVIKUMAR	17E31A0106
H.HARIKRISHNA	17E31A0116
M.MOUNIKA	18E35A0109
P.RAGHAVENDAR	18E35A0112
S.TEJASWINI	18E35A0113

In partial fulfillment of the requirement for the Degree of Bachelor of Technology in Civil Engineering, To the Jawaharlal Nehru Technology University as a record of Bonafide work done by his under our supervision and guidance.

INTERNAL GUIDE  
CH. SWETHAMBER  
PROFESSOR

EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT  
CH. SWETHAMBER

PRINCIPAL  
DR. TEJASWINI RAO





MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

BANDLAGUDA, HYDERABAD-500 005

2017-2021

Department of Civil Engineering



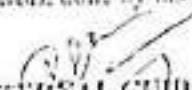
ESTD:2001

CERTIFICATE

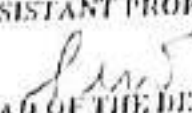
This is to certify that the major project entitled "SOIL STABILIZATION BY USING EGG SHELL POWDER AND MARBLE DUST" Submitted by

B. VIJAY KUMAR	17E31A0107
CH. VIKAS REDDY	17E31A0108
CH. MANIKANTA SUDHIRAJ	17E31A0109
D. TEJA	17E31A0110

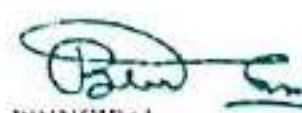
In partial fulfillment of the requirement for the Degree of Bachelor of Technology in Civil Engineering. To the Jawaharal Nehru Technological University as a record of Bonafide work done by him under our supervision and guidance.

  
INTERNAL GUIDE

M. SAI KUMAR SAGAR  
ASSISTANT PROFESSOR

  
HEAD OF THE DEPARTMENT  
CH. SWETHAMBER

EXTERNAL EXAMINER

  
PRINCIPAL  
DR. MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
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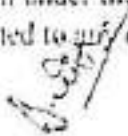
This is to certify that the thesis titled

"ANALYSIS AND DESIGN OF HOSPITAL G+3 USING ETABS"

Is being submitted by

ABUBAKAR	17H11A0102
MOHAMMED ALTHAF	17H11A0118
MOHAMMED ASIM ADNAN	17H11A0119
ADNAN ABDUL WASE	18E35A0101
MOHAMMED MAJEED UDDIN	17E31A0128

In partial fulfilment of the requirement of the award of "BACHELOR OF TECHNOLOGY" in CIVIL ENGINEERING to JNTU Hyderabad. This record is a bonafide work carried out by them under the guidance and supervision. The result embodied in this thesis has not been submitted to any other university or institute for the award of any degree or diploma.

  
B. RAMANA KUMAR

INTERNAL GUIDE

EXTERNAL GUIDE

  
CH. SWETHAMBER

HEAD OF THE DEPARTMENT



PRINCIPAL

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## MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

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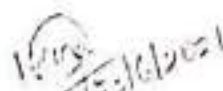
### CERTIFICATE


This is to certify that the project work entitled  
"STUDY ON STRENGTH CHARACTERISTICS OF SAND"

*Is being submitted by*

K. KRANTHI KUMAR - (18E35A0106)  
M. TUSHAL YADAV - (18E35A0107)  
M. ROHITH - (18E35A0108)  
P. ALOK - (18E35A0110)  
U. VENU GOPAL - (18E35A0114)

In partial fulfillment of the requirements for the award of "BACHELOR OF TECHNOLOGY" in CIVIL ENGINEERING to JNTU Hyderabad. This record is a bonafide work carried out by them under guidance and supervision. The results embodied in the thesis has not been submitted to any other university or institute for the award of any degree or diploma.

  
INTERNAL GUIDE  
CH. HEMALATHA  
(Assistant professor)

  
HEAD OF THE DEPARTMENT  
CH. SWETHAMBAR  
(Professor)

EXTERNAL EXAMINER

  
PRINCIPAL  
DR. MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005



Mahaveer Institute of Science and Technology								
B.Tech IV th Year II Semester Project Batches					Academic Year:2020-2021			
EEE Department								
Sl NO	Project	Course	College Code	College Name	Project Title	Hall Ticket No	Name of the Student	Guide Name
1	1	B.Tech	E3	Mahaveer Institute of Science and	Wind Hydro micro grid and its control for Rural energy system	17E31A0224	S. SHASHANK	Dr.M.Rajender Reddy
2						17E31A0225	SD. ZAFAR	
3						16E31A0217	MD. DANISH PERWEZ	
4	2	B.Tech	E3	Mahaveer Institute of Science and	Multifunctional Grid connected inverter interfaced by wind energy conversion system	18E35A0202	A. MARUTHI	P.V.V.Sathya Narayana
5						18E35A0201	M. AJAY BABU	
6						16E31A0231	ARUN KUMAR	
7	3	B.Tech	E3	Institute of Science and Technology	active power control with improved p and q method for wind pv battery based standalone	17E31A0211	G.SRILATHA	G.Prem Kumar Reddy
8						17E31A0207	CH. APARNA	
9						17E31A0220	M. SREE CHANDANA	
10	4	B.tech	E3	Institute of Science and Technology	analysis of a grid- connected photovoltaic/wind hybrid power system	17E31A0227	T.SUSHMA	Dr. M.Sudhakaran
11						17E31A0226	T. RAKSHITHA	
12						17E31A0209	G.SAI SREEYA	
13	5	B.Tech	E3	Institute of Science and Technology	converter for direct drive pmsg wind turbines using direct torque and power control techniques	17E31A0204	B. RAHUL	B.Satish
14						17E31A0230	V. HARISH NAIK	
15						18D95A0204	B.BHARATH KUMAR	
16	6	B.tech	E3	Institute of Science and Technology	PV Power Injection by DSTATCOM with Variable DC Link	18E35A0213	M.VENU	R.Kalyani
17						18E35A0218	U. ANIL KUMAR	
18						18E35A0212	M.NAVEEN GOUD	
19	7	B.tech	E3	Institute of Science and Technology	Design and control of micro-grid feeding renewable energy generating sources	18E35A0215	R.SINDU	N.Saraswathi
20						18E35A0207	D.SWETHA	
21						17E31A0218	L.RAVI	
22				Mahaveer		18E35A0203	B.ANUSHA	



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23				Institute of Science and Technology		18E35A0217	Pavan	
						18E35A0204	B.NAVYA	
24	8	B.Tech	E3	Institute of Science and Technology	grid interactive solar PV based water	18E35A0210	K.SANDEEP	A.Mahesh Kumar
25				Institute of Science and Technology	Mitigation of Interharmonics in pv systems with Maximum power point Tracking Modification.	18E35A0211	M. PRANITHA	
26						18E35A0209	K.SINDHU	
27	9	B.Tech	E3	Institute of Science and Technology		17E31A0213	K.ADITYA	G.Jyothi
28				Institute of Science and Technology	strategies for 3p 4w inverters during symmetrical / assymmetrical voltage sags	18M35A0211	V.VIJAY	
29						18M35A0202	CH. SHYAM PRASAD	
30	10	B.Tech	E3	Institute of Science and Technology		17E31A0208	G. SAI KIRAN	Hathiram
31				Institute of Science and Technology	Design and Performance Analysis of Three-Phase Solar PV Integrated UPQC	17E31A0216	K.VINEETH	
32						17E31A0221	M. VEERA REDDY	B.Divya
33	11	B.Tech	E3	Institute of Science and Technology		17E31A0201	A.S.OM SAI KIRAN	
34				Institute of Science and Technology	control system improve performance of a PMSG based wind energy conversation under	17E31A0219	M.RAKESH	
35						17E31A0206	B.HARIKRISHNA	B.Srinivasulu
36	12	B.Tech	E3	Institute of Science and Technology		17E31A0203	A.ARAVIND	
37				Institute of Science and Technology	THREE PHASE INDUCTION MOTOR BASED ON CONSTANT VOLTAGE PER FREQUENCY CONTROL WITH	17E31A0205	B. YASHWANTH	
38						18E35A0217	KALYAN	
39	13	B.Tech	E3	Institute of Science and Technology		18E35A0208	G. JAY SHIVA	Taskeen Ayesha
40				Institute of Science and Technology	power quality conditioner applied in single wire earth return electronic power distribution grids	17E31A0215	KELOTH. SANTOSH	
41						18E35A0206	B.SRIDHAR	
42	14	B.Tech	E3	Institute of Science and Technology		18E35A0214	P. MAHENDAR	T.Hima Bindhu
43				Institute of Science and Technology	Harmonics Reduction and Power Quality Improvement By Using Dpfc	17M35A0212	M. SRINIVAS	
44						17M35A0207	G.VISHAL	
45	15	B.Tech	E3	Institute of Science and Technology		17M35A0217	P.RAGHAVENDER	Masood
46				Mahaveer Institute of Science and Technology	Fuzzy controller designed pv based maximum power device for power quality enhancement	17E31A0202	A.VIKRAM	
47						17E31A0212	K.SANDEEP	
48						17E31A0223	SK. NAZEEM PASHA	
49	16	B.Tech	E3	Institute of Science and Technology		17E31A0210	G. KIRAN	Bargavi

PROJECT COORDINATOR

DR. S. S. S. S.

TECHNOLOGIST  
Panditguda, Hyd-500 005.

HOD-EEE





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## INSTITUTE OF SCIENCE & TECHNOLOGY

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Vyasapuri, Bandlaguda, Post: Keshavpuram, Hyderabad-500005.

### CERTIFICATE

This is to certify that the project work entitled "DEVELOPMENT OF COMBINED CONTROL SYSTEM TO IMPROVE PERFORMANCE OF A PMSG BASED WIND ENERGY CONVERSION SYSTEM UNDER NORMAL AND GRID FAULT CONDITIONS"


Submitted by


A.ARAVIND ( 17E31A0203 )


B.HARI KRISHNA ( 17E31A0206 )


M.RAKESH ( 17E31A0219 )

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the academic year 2019-20, is a bonafide record of the work carried out by him as per academic course for the award of the degree.

  
**PROJECT GUIDE**  
B.Srinivasulu  
Assistant Professor

  
**HEAD OF THE DEPT [E.E.E]**  
Dr.M.Rajendar Reddy  
Professor

  
**INTERNAL EXAMINER**

  
**PRINCIPAL**  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005

  
**EXTERNAL EXAMINER**







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## INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTU, Hyderabad  
Vyasapuri, Bandlaguda, Post: Keshavnagar, Hyderabad - 500005

### CERTIFICATE

This is to certify that the project work entitled "SINGLE PHASE TO THREE PHASE UNIFIED POWER QUALITY CONDITIONER APPLIES IN SINGLE WIRE EARTH RETURN ELECTRIC POWER DISTRIBUTION GRIDS"

Submitted by

KELOTH SANTOSH

[17E31A0215]

BURA SRIDHAR

[18E35A0206]

PEDDASAYANNAGARU MAHENDAR REDDY [18E35A0214]

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the Academic year 2018-21, is a bonafide record of the work carried out by him as per academic course for the award of the degree.

PROJECTGUIDE

T. HIMABINDHU  
Assistant Professor

INTERNAL EXAMINER

HEAD OF THE DEPT[E.E.E]

DR.M.RAJENDARREDDY  
Professor



EXTERNAL EXAMINER

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Bandlaguda, Hyu-500 005.



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## INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTU, Hyderabad.

Vyasapuri, Bandlaguda, Post: Keshavnagar, Hyderabad-500005.

### CERTIFICATE

This is to certify that the project work entitled

**“POWER QUALITY IMPROVEMENT AND PV POWER INJECTION BY  
DSTATCOM WITH VARIABLE DC LINK VOLTAGE CONTROL FROM  
RSC- MLC”**

SUBMITTED BY

M. NAVEEN GOUD [18E35A0212]

M. VENI [18E35A0213]

L. ANIL KUMAR [18E35A0218]

In partial fulfillment for the requirements for the Degree of  
**BACHELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS  
ENGINEERING OF MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY,**  
Hyderabad, during the academic year 2020-21, is a bonafide record of the work  
carried out by them as per academic course for the award of the degree.

**PROJECT GUIDE**

**R. Kalyani**

**Associate Professor**

**INTERNAL EXAMINER**

**HEAD OF THE DEPT[E.E.E]**

**Dr.M.Rajendar Reddy**

**Professor**

per  
M. RAJENDAR  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005



**EXTERNAL EXAMINER**



ESTD - 2001

# MAHA VEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTU, Hyderabad.  
Vyasaपुरi, Bandlaguda, Post: Keshavnagar, Hyderabad 500015.

## CERTIFICATE

This is to certify that Major Project work entitled

"Fault tolerant back-to-back converter for direct drive PMSG wind turbines  
using direct torque and power control techniques"


Submitted by

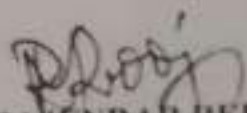
B. RAHUL (17E31A0204)

V. HARISH NAIK (17E31A0230)

B. BHARATH KUMAR (18D95A0204)

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in  
Electrical and Electronics Engineering NEHURU TECHNOLOGICAL  
UNIVERSITY is a record of bonafide work carried out by us under the guidance and  
supervision.

  
B. SATHISH  
Guide, EEE  
INTERNAL EXAMINER

  
DR. M. RAVENDAR REDDY  
Head of the Department, EEE  
EXTERNAL EXAMINER

  
PRINCIPAL  
MAHA VEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyderabad - 500 005.







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## INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTU, Hyderabad  
Wardhancherry, Manikguda, Post - Kothapeta, Hyderabad 500005.

### CERTIFICATE

This is to certify that the project work entitled "DESIGN AND IMPLEMENTATION OF ACTIVE POWER CONTROL WITH IMPROVED P AND Q METHOD FOR WIND PV-BATTERY BASED STANDALONE GENERATION SYSTEM"

Submitted by

17E31A0220 M.SREE CHANDANA

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the academic course for the award of the degree.

PROJECT GUIDE

G. PREM KUMAR REDDY

Associate Professor

HEAD OF THE DEPARTMENT

Dr. M. RAJENDAR REDDY

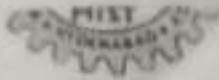
Professor

INTERNAL EXAMINER

EXTERNAL EXAMINER

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Wardhancherry, Manikguda, Post - Kothapeta, Hyderabad 500005.





## CERTIFICATE

This is to certify that the project work entitled "DESIGN AND PERFORMANCE ANALYSIS OF THREE-PHASE SOLAR PV INTEGRATED UPQC"

Submitted by

A.S OM SAI KIRAN [17E31A0201]

K.VINEETH [17E31A0216]

M. VEERA REDDY [17E31A0221]

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the academic year 2020-21, is a bonafide record of the work carried out by them as per academic course for the award of the degree.

PROJECT GUIDE

B.DIVYA  
Assistant Professor

HEAD OF THE DEPARTMENT

Dr. M. Rajendar Reddy  
Professor

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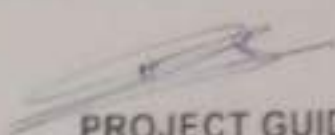
### CERTIFICATE

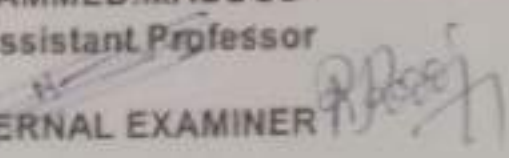
This is to certify that the project work entitled "HARMONICS REDUCTION AND POWER QUALITY IMPROVEMENT BY USING DPFC" Submitted by

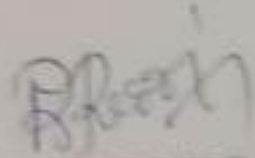
**MALKAPALLY SRINIVAS**  
**P. RAGHAVENDRA**  
**G. VISHAL**

**17M35A0212**  
**17M35A0217**  
**17M35A0207**


In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the academic year 2018-21, is a bonafide record of the work carried out by him as per academic course for the award of the degree.

  
**PROJECT GUIDE**  
**MOHAMMED.MASOOD**  
Assistant Professor

  
**INTERNAL EXAMINER**

  
**HEAD OF THE DEPT [E.E.E]**  
**DR.M. RAJENDAR REDDY**  
Professor

**EXTERNAL EXAMINER**



**PRINCIPAL**  
**MAHAVEER**

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Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005.

### CERTIFICATE

This is to certify that the project work entitled "Direct Torque Control of Three-Phase Induction Motor based on Constant Voltage per Frequency Control with Simple Controller" submitted by

B. YASHWANTH	(17E31A0205)
T. DURGA PAWAN KALYAN	(18E35A0217)
G. JAY SHIVA	(18E35A0208)

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the academic year 2019-20, is a bonafiderecord of the work carried out by him as per academic course for the award of the degree.

PROJECT GUIDE

Ayesha Taskeen

HEAD OF THE DEPT[E.E.E]

Dr.M .Rajendar Reddy

Professor

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Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005.

### CERTIFICATE

This is to certify that the project work entitled - **INTER-  
IONIC MITIGATION IN A SINGLE PHASE GRID CONNECTED PV  
EMS WITH MAXIMUM POWER POINT TRACKING MODIFICATION**.


Submitted by

K. Aditya - [17E31A0213]

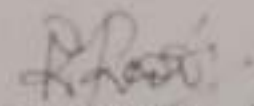
K. Sindhu - [18E35A0209]

M. Pranitha - [18E35A0211]

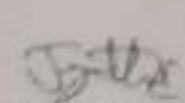
In partial fulfillment for the requirements for the Degree  
**BELTOR OF TECHNOLOGY** in **ELECTRICAL AND ELECTRONICS  
ENGINEERING** of **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY,**  
Hyderabad, during the academic year 2019-20, is a bonafide record of the work  
out by him as per academic course for the award of the degree.

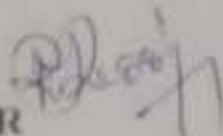
  
PROJECT GUIDE

Jyothi  
Assistant Professor

  
HEAD OF THE DEPT.

Dr. M. Rajendar Reddy  
Professor

  
INTERNAL EXAMINER



  
PRINCIPAL  
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## INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTU, Hyderabad  
Vyasapuri, Bandlaguda, Post: Keshavpuri, Hyderabad - 500095

### CERTIFICATE

This is to certify that the project work entitled "IMPLEMENTATION AND  
MODELING OF A GRID - CONNECTED PHOTOVOLTAIC/WIND HYBRID  
POWER SYSTEM"

#### SUBMITTED BY

- G.SAISREEYA [17E31A0209]
- T. RAKSHITHA [17E31A0226]
- T. SUSHMA [17E31A0227]

This is in partial fulfillment for the requirements for the Degree of BACHELOR OF  
SCIENCE IN ELECTRICAL AND ELECTRONICS ENGINEERING OF  
MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during  
the academic year 2020-21, is a bonafide record of the work carried out by him as  
a part of the regular course for the award of the degree

PROJECT GUIDE  
Sudhakaran  
Associate Professor

HEAD OF THE DEPT [EEE]  
Dr.M.Rajendar Reddy  
Professor

EXTERNAL EXAMINER

PRINCIPAL  
MAHAVEER  
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EXTERNAL EXAMINER







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Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005.

### CERTIFICATE

This is to certify that the project work entitled " GRID INTERACTIVE PV BASED WATER PUMPING USING BLDC MOTOR DRIVE "

#### SUBMITTED BY

BANDARU ANUSHA[18E35A0203]

BAKARAPU NAVYA[18E35A0204]

KUNARAPU SANDEEP [18E35A0210]

KONGARI PAVAN [17E31A0217]

fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY TRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF E AND TECHNOLOGY, Hyderabad, during the academic year 2018-21, is a bonafide the work carried out by him as per academic course for the award of the degree.

CT GUIDE  
ESH KUMAR M.E  
e Professor

HEAD OF THE DEPT|E.E.E|  
DR.M.RAJENDAR REDDY  
Professor

INTERNAL EXAMINER

PRINCIPAL  
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BANDLAGUDA, HYD-500 005.  
EXTERNAL EXAMINER



## CERTIFICATE

This is to certify that the project work entitled  
**GN AND CONTROL OF MICRO-GRIDE FED BY RENEWABLE  
GY GENERATING SOURCES"**

### SUBMITTED BY

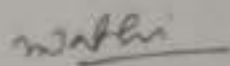
D.SWETHA [18E35A0207]

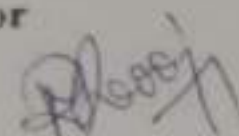
R.SINDU [18E35A0215]

L.RAVI [17E31A0218]

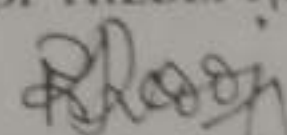
In partial fulfillment for the requirements for the Degree of  
**BELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS  
ERING OF MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY,**  
abad, during the academic year 2020-21, is a bonafide record of the work  
ried out as per academic course for the award of the degree.


**STGUIDE**

  
**Swathi**  
**Professor**

  
**Examiner**

**HEAD OF THE DEPT [E.E.E]**

  
**Dr. M. Rajendar Reddy**  
**Professor**

  
**PRINCIPAL**  
**MAHAVEER External Examiner**  
MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY  
Bangalore, Hyd-500 005.





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### CERTIFICATE

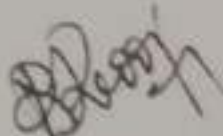
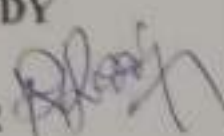
is to certify that the project work entitled "WIND-HYDRO MICROGRID AND ITS CONTROL FOR RURAL ENERGY SYSTEM" Submitted by

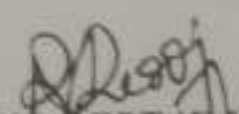
SIRISHETTI SHASHANK [17E31A0224]

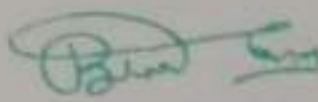
SYED ZAFAR [17E31A0225]

MD.DANISH PERWEZ [16E31A0217]

In partial fulfillment for the requirements for the Degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL AND ELECTRONICS ENGINEERING** of **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY**, Hyderabad, during the academic year 2017-21, is a bonafide record of the work carried out by them as per academic requirements for the award of the degree.

  
PROJECT GUIDE  
DR. RAJENDAR REDDY  
ASSISTANT PROFESSOR, EEE  
INTERNAL EXAMINER 

  
HEAD OF THE DEPT [E.E.E]  
Dr. M. RAJENDAR REDDY  
PROFESSOR, EEE  
EXTERNAL EXAMINER

  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyderabad-500005.







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Approved by AICTE, Affiliated to JNTU, Hyderabad.  
Vyasaapur, Sandlaguda, Post: Keshavnagar, Hyderabad 500005.

## CERTIFICATE


This is to certify that the project work entitled "ACTIVE AND REACTIVE POWER INJECTION STRATEGIES FOR THREE-PHASE FOUR WIRE INVERTERS DURING SYMMETRICAL/ASYMMETRICAL VOLTAGE SAGS" Submitted by


V.VIJAY KUMAR [18M35A0211]

CH.SHYAM PRASAD [18M35A0202]

G.SAI KIRAN [17E31A0208]

In partial fulfillment for the requirements for the Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the academic year 2017-21, is a bonafide record of the work carried out by him as per academic course for the award of the degree.

  
PROJECT GUIDE  
G.RATHIRAM  
Assistant Professor

  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
Dr.M.Rajendar Reddy  
professor





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Recognized by UGC, New Delhi, Government of India

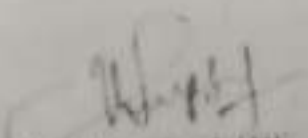
### CERTIFICATE

This is to certify that the project work entitled "MULTI-TASKING GRID-TIED  
AS-INTERFACED BY WIND ENERGY CONVERSION SYSTEM"

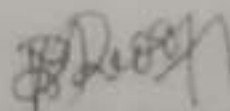
Submitted by

MAJAY BABU [06E38A0201]

In partial fulfillment for the requirements for the award of Degree of BACHELOR OF  
TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING of  
MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad, during the  
academic year 2020-21, is a bonafide record of the work carried out by us as per academic  
criteria for the award of the degree.

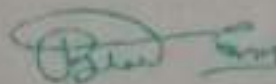
  
PROJECT GUIDE

DR. P. V. V. SATYANARAYANA



HEAD OF THE DEPARTMENT (EEE)

Prof. Dr. M. RAJENDAR REDDY

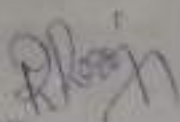


PRINCIPAL  
MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY  
INTERNAL EXAMINER  
Cardigan, Hyd-500 008



INTERNAL EXAMINER





## DEPARTMENT OF MECHANICAL ENGINEERING MAIN PROJECT LIST-2020-2021

BATCH NO	HT.NO	NAME OF THE STUDENT	PROJECT TITLE	NAME OF THE GUIDE
1	18E35A0310	D. Prathap	Fabrication of Multi crop seed and fertilizer Ploughing Machine	T.Shahinsha
	17E31A0304	B. Mohan		
	17E31A0309	D. Jayander Reddy		
	18E35A0307	Ch. Raju		
	17E31A0320	K. Pavan Kumar		
2	17E31A0333	Mohd Rayees	Fabrication of Electric car, study and analysis of Power Transmission system	B.Venkateswar Reddy
	18M35A0308	Mohammad Firasath Ali		
	17E31A0302	A.Raja		
	17E31A0339	N.Srikanth Reddy		
3	18E35A0302	A.Shyam Kumar	Synthesis and characteristics of Nano materials and its applications	D.Santhosh Kumar
	17E31A0326	M.Mahesh		
	18E35A0308	Chinna Boska Mahesh		
	17E31A0327	M. Prudhviraaj		
4	18E35A0312	Goka Sai Krishna	Design and Analysis of air purifier	K.Devisingh
	17E31A0322	M.A. Ghouse		
	17E31A0314	Gvl Akhila		
	18E35A0301	Akula Giridhar Yadav		
	17E31A0328	Md.Arman		
5	18E35A0303	B.Chandra Sekhar	Mimimization of local surface defects by analyzing various mould flow process parameters in injection moulding process	P.Durga Ravi Prasad
	18E35A0306	B.Naresh		
	17E35A0317	P.Tarun Kumar		
	17E31A0306	B.Mahesh Reddy		
	17E31A0308	D.Sanjeev		
6	18E35A0305	Basude Sagar	Preparation and characterization of Nano fluids.	E.Krishna Deepak
	18E35A0309	Chinnapagu Swetha		
	16M31A0322	Telusri Ajay		
	17M31A0306	Syed Mohammed Faizan Ghori		
	16E31A0330	Puttapad Yadaiah		





7	18E35A0311	G.Umamaheshwari	Modelling and Fabrication of All-Terrain Vehicle	B.Nageswar
	17E31A0305	B.Jayvardhan		
	17E31A0325	M.Premasai		
	16E31A0333	R.Hemanthkumar		
8	17E31A0301	A.Harshith	Fabrication of Electro Chemical Machine	D.Santhoshkumar
	17E31A0313	G. Venkatsai		
	17E31A0324	MRahul		
	17E31A0311	G. Abhilash Reddy		
	17E31A0316	K. Manikanta		
9	18D95A0301	Beera Praveen Kumar	Design and Fabrication of Staircase Climbing Vehicle	M. Sonachalam
	17E31A0354	Sharavan Suthar		
	18D95A0306	Mandapelli Srikanth		
	18E35A0325	V.Praneesh		
	18E35A0321	Nithin Mahendrakar		
10	18D95A0307	Mood Hathiram	Development of Standard IN-SITU Maintenance Procedure for Industrial Gate Valve	Dr. G. Srikanth Reddy
	17D91A0307	Desani Sandeep Reddy		
	17D91A0308	Diddi Rosan Sai		
	18E35A0318	Megavath Mahipal		
	18E35A0317	M.Gopalakrishna		
11	17D91A0320	M.Sathvik Reddy	Fabrication of Regenerative Braking System	Shravankumar
	17E35A0307	K.Suresh		
	17D91A0303	A.Nithin Kumar		
	16621A0316	Syed Abubakar		
	18E35A0324	T.Mahendar		
12	18D95A0303	G.Sangeethkumar	Modelling and Fabrication of Solar Air Purification Tower	P.Praveen Kumar Reddy
	18D95A0305	M.Ashwin Kanth		
	17D91A0330	V.Adithya		
	17E31A0343	P.Akhilbabu		
	17E31A0360	Y.Satishreddy		



13	17D91A0309	G.Nithish Yadav	Design and Analysis of Wheel Rim and Development of PROTOTYPE by using 3D Printer	M.Anil
	17D91A0304	B.Arvind Reddy		
	18E35A0313	Guda Vikas		
	18E35A0314	Jalukuri Rammurthi		
	18E35A0315	Kande Vineeth		
14	17D91A0316	Mohammad Irfan	Design and Fabrication of Automatic Drain Scrap Collector	G.Bhavani
	17D91A0311	Guntuka Rambabu		
	17D91A0324	Saduvula Devender		
	18E35A0322	Nunavath Lingam		
	18D95A0310	Sare Srikanth		
	17D91A0325	Samalla Divakar		
15	17E31A0355	T.Bunny	Modelling and Assembly of Transmission System of All-terrain Vehicle	B.Nageswar
	17E31A0342	P.Bhargav Kumar		
	17E31A0344	P.Saiteja		
	17E31A0346	R.Deepankar Saravana Varma		
	17E31A0348	Sathya Prasad Pooja		

PRINCIPAL  
MAHAVEER  
DEPARTMENT OF SCIENCE & TECHNOLOGY  
BANDARPOLE, HYDRABAD-500 026

HOD  
B.VENKATESWAR REDDY  
DEPARTMENT OF MECHANICAL ENGINEERING



**MAHA VEER INSTITUTE OF SCIENCE & TECHNOLOGY**

**BANDLAGUDA -500 005, HYDERABAD, TELANGANA**

**Department of Mechanical Engineering**

**CERTIFICATE**

This is to certify that the work embodies in this dissertation entitled 'Design And Fabrication Of Staircase Climbing Vehicle' being submitted by 'Beera Praveen Kumar (18D95A0301), Sharavan Suthar (17E31A0354), Mandapelli Srikanth (18D95A0306), Nitin Mahendrakar (18E35A0321), V Praneesh (18E35A0325) partial fulfillment of the requirement for the award of 'Bachelor of Technology in Mechanical Engineering to Mahaveer Institute of Science and Technology, Bandlaguda, Hyderabad during the academic year 2020 - 2021 is a record of bonafide piece of work, undertaken by him/her the supervision of the undersigned.

**Approved and Supervised by**

  
**M. SONACHALAM**  
Guide

**EXTERNAL EXAMINER**

  
**B. VENKATESWAR REDDY**  
Head of the Department

  
**Dr. B. NAGESWARA RAO**







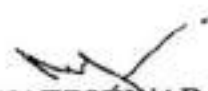
MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY  
BANDLAGUDA -500005, HYDERABAD, TELANGANA.  
DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE

This is to certify that the MAJOR PROJECT work entitled "DESIGN AND FABRICATION OF AUTOMATIC DRAIN SCRAP COLLECTOR" is being submitted by GUNTUKA RAMBABU(17D91A0311), MOHD IRFAN(17D91A0316), SADUVULA DEVENDER (17D91A0324), SAMBALA DIVAKAR (17D91A0325), SARE SRIKANTH (18D95A0310), NUNAVATH LINGAM (18E35A0322), in the partial fulfilment of the requirements of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING to MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY during 2017-2021 is carried out by them under my guidance and supervision.

  
Mrs. G. BHAVANI

ASSISTANT PROFESSOR  
PROJECT GUIDE

  
B. VENKATESHWAR REDDY

ASSOCIATE PROFESSOR  
HEAD OF DEPARTMENT

EXTERNAL EXAMINAR

  
Dr. B. NAGESHWARA RAO





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## INSTITUTE OF SCIENCE & TECHNOLOGY

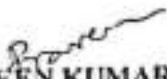
Approved by AICTE, Affiliated to JNTU, Hyderabad.

Vyasapuri, Bandlaguda, Post: Keshavgi, Hyderabad-500005.


ESTD : 2001

### CERTIFICATE

This is to certify that the work embodies in this work dissertation entitled Modelling and Fabrication of Solar Air purification Tower being submitted by Gajula.Sangeeth Kumar, Marapally.Ashwin Kanth, Vodnala.Adithya, Yadama.Sathish Reddy, Pilli.Akhil Babu for partial fulfillment of the requirements for the award of Bachelor of Technology in Mechanical Engineering to Mahaveer Institute of Science and Technology, Bandlaguda, Hyderabad during academic year 2020-2021 is a record of bonafide piece of work, undertaken by him/her the supervision of the undersigned

  
P. PRAVEEN KUMAR REDDY  
ASSISTANT PROFESSOR  
INTERNAL EXAMINER

EXTERNAL EXAMINER

  
Mr. B. VENKATESWAR REDDY  
HEAD OF THE DEPARTMENT



# MAHAVEER INSTITUTE OF SCIENCES & TECHNOLOGY

Vyaspuri, Bandlaguda, Keshavagiri post, Hyderabad-500005



## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE

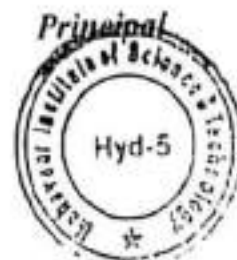
This is to certify that the project work entitled "DEVELOPMENT OF STANDARD IN-SITU MAINTENANCE PROCEDURE FOR INDUSTRIAL GATE VALVE" is submitted by *MOOD HATHIRAM, DESANI SANDEEP REDDY, DIDI ROSHAN SAI, MEGAVATH MAHIPAL, M.GOPAL KRISHNA* in partial fulfillment of the requirement for the award of the Degree Of Technology in MECHANICAL ENGINEERING from *MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY* ,during the academic year 2020-2021. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

(Dr. G. SRIKANTH REDDY)  
Associate Professor

(B.VENKATESHWAR REDDY)  
Professor & Head of the Department

EXTERNAL EXAMINAR

Dr. B. NAGESWARA RAO



MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY  
Vyatnapuri, Bandlaguda, Keshavnigri Post, Hyderabad - 500095


DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DESIGN AND ANALYSIS OF WHEEL RIM AND DEVELOPMENT OF PROTOTYPE BY USING 3-D PRINTER" is submitted by JALUKURI RAMMURTHI, GUDA VIKAS, KANDE VINEETHI, BAROOR ARVIND REDDY, GOLKONDA NITHISH YADAV in partial fulfillment of the requirement for the award of the Degree of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2020-2021.

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

  
(Mr. M. ANIL)  
Assistant Professor  
Project Guide

  
(D. VENKATESHWAR REDDY)  
Professor & Head of the Department

EXTERNAL EXAMINER

  
Dr. D. NAGESWARA RAO







**MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY**

**BANDLAGUDA 500005, HYDERABAD, TELANGANA**

**Department of Mechanical Engineering**

**CERTIFICATE**

This is to certify that the work embodied in this dissertation entitled "MODELING AND ASSEMBLY OF TRANSMISSION SYSTEM OF ALL TERRAIN VEHICLE" being submitted by T.BUNNY-17E31A0355, SATHYA PRASAD POOJA-17E31A0348, P.BHARGAV KUMAR-17E31A0342, POLNENI SAITEJA-17E31A0344, RUDRARAJU DEEPANKAR SARAVANA VARMA-17E31A0346, in partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering to Mahaveer Institute of Science and Technology, Bandlaguda, Hyderabad during the academic year 2020 - 2021 is a record of bonafide piece of work, undertaken by him/her the supervision of the undersigned.

**Approved and supervised by**

**Mr. B. NAGESWAR**

**Assistant Professor**

**INTERNAL EXAMINER**

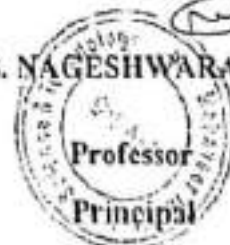
**EXTERNAL EXAMINER**

**Mr. B. VENKATESWAR REDDY**

**Associate Professor**

**Head of Department**

**Dr. B. NAGESHWARA RAO**



**MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY**

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**DEPARTMENT OF MECHANICAL ENGINEERING**



ESTD : 2001

**CERTIFICATE**

This is to certify that the project work entitled "Fabrication of Regenerative Braking System" is submitted by **A. NITHIN KUMAR, M. SATHVIK REDDY, K. SURESH, SYED ABUBAKAR, T. MAHENDER** in partial fulfillment of the requirement for the reward of Degree of B. Tech in **MECHANICAL ENGINEERING** from **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY**, during the academic year of 2020 – 2021.

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

**SHRAVANKUMAR**  
Assistant Professor  
Project Guide

**B. VENKATESHWAR REDDY**  
Professor & Head of the Department

**EXTERNAL EXAMINER**

**Dr. B. NAGESWARA RAO**





**MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY**  
**BANDLAGUDA -500 005, HYDERABAD, TELANGANA**  
**Department of Mechanical Engineering**

**CERTIFICATE**

This is to certify that the work embodies in this dissertation entitled '*SYNTHESIS AND CHARACTERISTICS OF NANOMATERIAL AND ITS APPLICATIONS*' being submitted by 'A.SHYAM KUMAR-18E35A0302, M.MAHESH-17E31A0326, CH.MAHESH-18E35A0308, M.PRUDHVI RAJ-17E31A0327 for partial fulfillment of the requirement for the award of 'Bachelor of Technology in Mechanical Engineering' to Mahaveer Institute of Science and Technology, Bandlaguda Hyderabad during the academic year 2020-2021 is are cord of bonafide piece of work, undertaken by him the supervision of the undersigned.

**Approved and Supervisedby**

**D. SANTHOSH KUMAR**

Assistant Professor

**INTERNAL EXAMINER**

**Mr. B. VENKATESWAR REDDY**

Professor & Head of the Department

**EXTERNAL EXAMINER**

**Dr. B. NAGESWARA RAO**



# MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

Vyasapuri, Bandlaguda ,Keshavagiri Post, Hyderabad-500005.

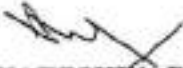
## DEPARTMENT OF MECHANICAL ENGINEERING

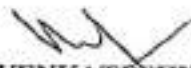


### CERTIFICATE

This is to certify that the project work entitled "FABRICATION OF ELECTRIC CAR, STUDY AND ANALYSIS OF POWER TRANSMISSION SYSTEM" is submitted by MOHD RAYEES, MOHAMMAD FIRASATH ALI, A. RAJA, N. SRIKANTH REDDY in partial fulfillment of the requirement for the award of the Degree of Bachelor of Technology in MECHANICAL ENGINEERING from MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, during the academic year 2020-2021.

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

  
**Mr. B. VENKATESHWAR REDDY**  
 Associate Professor  
 Project Guide

  
**Mr. B. VENKATESHWAR REDDY**  
 Head of the Department



**EXTERNAL EXAMINER**





MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY  
BANDLAGUDA-500005, HYDERABAD, TELANGANA

Department of Mechanical Engineering

### CERTIFICATE

This is to certify that the work embodies in this dissertation entitled 'FABRICATION OF ELECTRO CHEMICAL MACHINE' being submitted by 'A. HARSHITH (17E31A0301), G. ABHILASHI (17E31A0311), G. VENKAT SAI (17E31A0313), K. MANIKANTA (17E31A0316), M. RAHUL (17E31A0324), for partial fulfillment of the requirement for the award of 'Bachelor of Technology in Mechanical Engineering' in Mahaveer Institute of Science and Technology Hyderabad, during the academic year 2020-2021 is our cord of bonafide piece of work, undertaken by him the supervision of the undersigned.

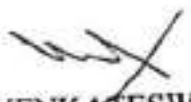
Approved and Supervised by

**D. SANTHOSH KUMAR**

Assistant Professor

  
INTERNAL EXAMINER

EXTERNAL EXAMINER

  
**Mr. B. VENKATESWAR REDDY**  
Professor & Head of the Department

  
**Dr. NAGESWARA RAO**



**ECE MAJOR PROJECT(A.Y 2020-21)**

S.No	Roll No	Name of Student	Major Project title
1	17E31A0458	SANUGOMULA MADHU PRIYA	<b>ADVANCED DRIVER ASSISTANCE ROBOT TO AVOID ACCIDENTS</b>
2	17E31A0459	SHAIK HUSSAIN	
3	18E35A0402	NIRATI RAJASRI	
4	18E35A0404	SINGAM JYOTHI	
5	17E31A0403	AKULA RAMYA SREE	<b>SEED SOWING ROBOT USING RASBEERY PI</b>
6	17E31A0414	CHERUKURI PAVITHRA	
7	17E31A0452	PAVULURI NAGABHARGAV	
8	17E31A0453	PILLUTLA MANOJ KUMAR	
9	17E31A0446	MALLUGARI SATHVIKA	<b>DESIGN AND IMPLEMENTATION OF WOMEN SAFETY SYSTEM USING GPS AND GSM</b>
10	17E31A0450	NAGAPURI RAHUL	
11	17E31A0451	NOOKALA SRIKANTH	
12	17E31A0469	VUDUTHALA AMBA BHAVANI	
13	17E31A0406	ARAVIND JOSHI	<b>INNOVATIVE CONGESTION TRAFFIC CONTROL SYSTEM FOR AMBULANCE USING RASPI</b>
14	17E31A0407	BANDA MOUNIKA YADAV	
15	17E31A0419	DESABOINA SUMEDHA	
16	17E31A0454	RAPELLY KALYANI	
17	17E31A0418	DAYYALA BALRAM	<b>AUTOMATIC DRIVER DROWSINESS ALERT SYSTEM BY USING GSM</b>
18	17E31A0425	G RAKESH	
19	17E31A0428	GADI SATISH KUMAR	
20	17E31A0429	GAMPALA RAHUL	
21	17E31A0448	MERGU GAYATHRI	<b>SMART PRE PAID ENERGY METER USING GSM WITH RASPI</b>
22	17E31A0456	SAINAD REDDY NAINI	
23	17E31A0457	SANDEEP KUMAR	
24	17E31A0409	BHANU PRATAP MISHRA	
25	17E31A0405	APURVA DESHPANDE	<b>RASPI BASED SOLAR GRASS CUTTER OPERATED USING MOBILE APP</b>
26	17E31A0415	CHIPPE TEJASWI	
27	17E31A0421	EESHWAROJU SHIRISHA	
28	17E31A0430	GIRNI RAJKUMAR	

**PRINCIPAL**  
**M. J. JAYEER**  
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 Bandlaguda, Hyderabad-500 085.





61	17E31A0467	VERRA GNANESHWAR	WORKERS
62	18E35A0401	BURRAGALLA V PREETHAM	
63	18E35A0403	S.GOPI KISHAN	
64	16E35A0413	Y ANJANEYULU	HOSPITAL SANITIZING ROBOT
65	17E31A0413	CHENIMENI RAMESH	

  
Co-ordinator

  
HOD, ECE Dept



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Approved by AICTE, Affiliated to JNTUH,Hyd.



## CERTIFICATE

This is to certify that the project work entitled "Advanced driver assistance robot to avoid accidents" is submitted by

S.Madhu Priya	17E31A0458
Hussain Shaik	17E31A0459
N.Rajasri	18E35A0402
S.Jyothi	18E35A0404

in partial fulfillment of the requirements for the Degree of Bachelor of Technology **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision. The results embodied in this report have not been submitted to any other University or Institution for the award of any degree or diploma.

N. Ravi Kumar  
Assistant Professor  
Guide

K. Venkateswarlu  
Assistant Professor  
Project Coordinator

Dr. Jaspal Kumar  
Professor  
Head of Dept.

PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



## CERTIFICATE

This is to certify that

S.Madhupriya	17E31A0458
Hussain Shaik	17E31A0459
N.Rajasri	18E35A0402
S.Jyothi	18E35A0404

a students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B.tech(E.C.E) final year along with Team Members has completed their major project with us on "ADVANCED DRIVER-ASSISTANCE ROBOT TO AVOID ACCIDENTS" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 20<sup>th</sup> APRIL, 2021 to 5<sup>TH</sup> JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V.REDDY

  
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MAHAVEER  
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Bandlaguda, Hyd-500 005

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INSTITUTE OF SCIENCE & TECHNOLOGY  
Approved by UGC, Affiliated to JNTU, Hyderabad  
Vvasapuri, Post:Keshav Giri, Bandlaguda, Hyderabad-500005

## CERTIFICATE

This is to certify that project work entitled "AN AUTOMATIC DRIVER DROWSINESS ALERT SYSTEM" is submitted by

<b>G.RAKESH</b>	<b>17E31A0425</b>
<b>G.SATISH</b>	<b>17E31A0428</b>
<b>G.RAHUL</b>	<b>17E31A0429</b>
<b>D.BALRAM</b>	<b>17E31A0418</b>

In partial fulfillment of the requirements for the Degree of Bachelor of technology in Electronics and Communications Engineering of Mahaveer institute of science and technology, Hyderabad, during the academic year 2020-2021, is a Bonafide record of work carried out under our guidance and supervision.

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

D. Sunitha

Assistant Professor

Project Guide

K. Venkateswarlu

Assistant Professor

Project Coordinator

Dr. Jaspal

Professor

Head of Dept.

External Examiner

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



## CERTIFICATE

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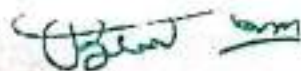
G.RAKESH	17E31A0425
G.SATISH	17E31A0428
G.RAHUL	17E31A0429
D.BALRAM	17E31A0418

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B. Tech (E.C.E) final year along with his Team Members has completed their mini project with us on "AN AUTOMATIC DRIVER DROWSINESS ALERT SYSTEM" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 20th APRIL 2021 to 5th JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

C.V. REDDY



PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

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Email: e3hod.ecce@gmail.com,  
Website: www.mst.ac.in

**MAHAVEER**

INSTITUTE OF SCIENCE & TECHNOLOGY  
Approved by AICTE, Affiliated to JNTUH, Hyd.



**CERTIFICATE**

This is to certify that the project work entitled "Seed Sowing Robot Using Raspberry Pi" is submitted by

A.Ramya sree	17E31A0403
Ch. Pavithra	17E31A0414
P.Naga Bhargav	17E31A0452
P. Manoj kumar	17E31A0453

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

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

  
Prof. Dr. V. Gunashekar Reddy

Professor  
Guide

  
K. Venkateswarlu

Assistant Professor  
Project Coordinator



Dr. Jaspal Kumar  
Professor  
Head of Dept.

External Examiner





PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



**CONSCIENCE TECHNOLOGIES**

A RIGHT PLATFORM FOR ALL ENGINEERS...

# Certificate

This is to certify that

A.Ramya sree	17E31A0403
Ch.Pavithra	17E31A0414
P.Nagabhargav	17E31A0452
P.Manoj kumar	17E31A0453

are students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B. Tech (E.C.E) final year has completed their major project with us on "SEED SOWING ROBOT USING RASPBERRY PI" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 26<sup>TH</sup> MARCH 2021 to 5<sup>TH</sup> JUNE 2021.

**CONSCIENCE TECHNOLOGIES**

Project Manager

**K.V. REDDY**



**PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
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Website: [www.mlstac.in](http://www.mlstac.in)

**MAHAVEER**

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH,Hyd.



**CERTIFICATE**

This is to certify that the project work entitled "HOSPITAL SANITIZING FLOOR  
CLEANING BY USING ROBOT" is submitted by

B.V.PREETHAM 18E35A401

S.GOPIKISHAN 18E35A0403

Y.ANJANEYULU 16E35A0413

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in  
Electronics and Communication Engineering of Mahaveer Institute of Science and  
Technology, Hyderabad, during the academic year 2020-21, is a Bonafide record of work  
carried out under our guidance and supervision.

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

Soujanya  
Assistant Professor  
Guide

K. Venkateswarlu  
Assistant Professor  
Project Coordinator

Dr. Jaspal Kumar  
Professor  
Head of Dept.



PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



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## CERTIFICATE

This is to certify that **B.V. PREETHAM, S.GOPI KISHAN & Y.ANJANEYULU** with roll no: **18E35A0401, 18E35A0403 & 16E35A0413** are students of **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD** studying **B.tech(E.C.E)** final year along with her Team Members has completed their mini project with us on **"HOSPITAL SANITIZING FLOOR CLEANING BY USING ROBOT"** the partial fulfillment of the award of **"Bachelor of Technology in E.C.E"** during the period of **20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.**

For **CONSCIENCE TECHNOLOGIES**

Project Manager  
**K.V.REDDY**



PRINCIPAL  
**MAHAVEER**  
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Bandlaguda, Hyd-500 005.



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

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**MAHAVEER**

INSTITUTE OF SCIENCE & TECHNOLOGY  
Approved by AICTE, Affiliated to JNTUH, Hyd.



**CERTIFICATE**

This is to certify that the project work entitled "Mobile App controlled Pick & Place Robotic Vehicle using Raspi" is submitted by

M.SumithChandra	17E31A0447
V.Rahul	17E31A0465
V.Avinash	17E31A0466
V.Gnaneshwar	17E31A0467

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

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

S. Kirpal Kour  
Assistant Professor  
Project Guide

K. Venkateswarlu  
Assistant Professor  
Project Coordinator

Dr. Jaspal Kumar  
Professor &  
Head of Dept.

External Examiner

PRINCIPAL  
**MAHAVEER**  
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Bandlaguda, Hyd-500 005.





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## CERTIFICATE

This is to certify that

M.SUMITHCHANDRA	17E31A0447
V.RAHUL	17E31A0465
V.AVINASH	17E31A0466
V.GNANESHWAR	17E31A0467

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B.Tech (E.C.E) final year along with team members has completed their Major project with us on "SMART HELMET FOR UNDERGROUND MINING WORKERS" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 20<sup>th</sup> JANUARY 2021 to 20<sup>th</sup> FEBRUARY 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V.REDDY

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

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Website: [www.mist.ac.in](http://www.mist.ac.in),

**MAHAVEER**

INSTITUTE OF SCIENCE & TECHNOLOGY  
Approved by AICTE, Affiliated to JNTUH,Hyd.




**CERTIFICATE**

This is to certify that the project work entitled "Mobile App controlled Pick & Place Robotic Vehicle using Raspi" is submitted by


A. Srikanth	17E31A0401
Ch. Sai Krishna	17E31A0412
G. Rahul Kumar	17E31A0423
G. Sanjay	17E31A0426

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

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

  
M. Prushanth  
Assistant Professor  
Project Guide

  
K. Venkateswarlu  
Assistant Professor  
Project Coordinator

  
Dr. Jaspal Kumar  
Professor &  
Head of Dept.

External Examiner





PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.





## CERTIFICATE

This is to certify that

A. SRIKANTH                      17E31A0401

CH. SAI KRISHNA                17E31A0412

G. RAHUL KUMAR                17E31A0423

G. SANJAY                        17E31A0426

are students of **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD** studying **B.Tech (E.C.E)** final year along with team members has completed their Major project with us on "**MOBILE APP CONTROLLED PICK & PLACE ROBOTIC VEHICLE USING RASPI**" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of **20<sup>th</sup> MAY 2021 to 20<sup>th</sup> JUNE 2021.**

For **CONSCIENCE TECHNOLOGIES**

**Project Manager**

**K.V.REDDY**

**PRINCIPAL**  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY

Address

#17-83/2C, 3rd Floor, Opp. Bank of Maharashtra  
Annapurna Function Hall Lane,  
Dilsukhnagar, Hyderabad 500050

☎ : 040-6012 1199



## CERTIFICATE

This is to certify that the project work entitled "Advanced Footstep Power Generation System using RFID for Charging" is submitted by

D. Veena	17E31A0420
E. Alekhya	17E31A0422
K. Virat Swaroop	17E31A0435
K. Meghana	17E31A0436
K. Shivani	17E31A0438

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

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

K. Venkateswarlu  
Assistant Professor

Guide

K. Venkateswarlu  
Assistant Professor

Project Coordinator

Dr. Jaspal Kumar  
Professor

Head of Dept.

External Examiner







**CONSCIENCE TECHNOLOGIES**

A RIGHT PLATFORM FOR ALL ENGINEERS...

## Certificate

This is to certify that

D. VEENA	17E31A0420
E. ALEKHYA	17E31A0422
K. VIRAT SWAROOP	17E31A0435
K. MEGHANA	17E31A0436
K. SHIVANI	17E31A0438

are students of MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY, HYDERABAD Studying B. Tech (E.C.E) final year has completed their major project with us on "Advanced footstep power generation system using RFID for charging" the partial fulfilment of the award of "Bachelor of Technology in E.C.E" during the period of 20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.

**CONSCIENCE TECHNOLOGIES**

Project Manager

**K.V. REDDY**

**PRINCIPAL  
MANAGER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

Address






## CERTIFICATE

This is to certify that project work entitled "Design and Development of Hand Glove Controlled Robot Using Raspberrypi" is submitted by


CH.AKHILA	17E31A0416
D .RAVALI	17E31A0417
J.SRAVYA	17E31A0433
K.SHYAM SUNDER RAO	17E31A0434

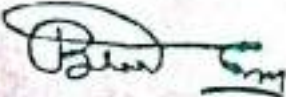
In partial Fulfillment of the requirements for the Degree of Bachelor of technology in Electronics and Communications Engineering of Mahaveer institute of science and technology, Hyderabad, during the academic year 2020-2021, is a Bonafide record of work carried out under our guidance and supervision.

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

  
CH.Sundeeep Kumar  
Assistant Professor  
Project Guide

  
K.Venkateswarlu  
Assistant Professor  
Project Coordinator

  
Dr.Jaspal Kumar  
Professor  
Head of Dept.



PRINCIPAL External Examiner  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.  
2021





# Certificate

This is to certify that

CH.AKHILA	17E31A0416
D.RAVALI	17E31A0417
J.SRAYYA	17E31A0433
K.SHYAMSUNDERRAO	17E31A0434

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B.Tech (E.C.E) final year along with Team Members has completed their major project with us on "DESIGN AND DEVELOPMENT OF HAND GLOVE CONTROLLED USING RASPBERRYPI" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project

Manager

K.V.REDDY

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Banjara Hills, Hyd-500 005.



DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING

Vysapuri, Bandlaguda Post: Keshavpuri,  
Hyderabad-500 005, TS INDIA

Tel:040-20020772,20020773,Fax:040-24455003

E-mail: [e3hed.ecce@gmail.com](mailto:e3hed.ecce@gmail.com).

Website: [www.mist.ac.in](http://www.mist.ac.in).

**MAHAVEER**

INSTITUTE OF SCIENCE & TECHNOLOGY  
Approved by AICTE, Affiliated to JNTUH,Hyd.



**CERTIFICATE**

This is to certify that the project work entitled "Child Safety Management System Using RF Technology" is submitted by

A. Sravan Kumar	17E31A0404
B. Maneesha	17E31A0410
N. Vandhana	17E31A0449
S. Sri Vidya	17E31A0461

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

The results embeded in this report have not been submitted to any other University or Institution for the award of any degree or diploma.

R.P.

R. Priyanka  
Assistant Professor  
Guide

K.

K. Venkateswarlu  
Assistant Professor  
Project Coordinator

J.

Dr. Jaspal Kumar  
Professor  
Head of Dept.

External Examiner

B.

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.







**CONSCIENCE TECHNOLOGIES**  
A RIGHT PLATFORM FOR ALL ENGINEERS

# Certificate

This is to certify that

A. Sravan Kumar	17E31A0404
B. Maneesha	17E31A0410
N. Vandhana	17E31A0449
S. Sri Vidya	17E31A0461

are students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B. Tech (E.C.E) final year has completed their major project with us on "CHILD SAFETY MANAGEMENT SYSTEM USING RF TECHNOLOGY" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 26<sup>TH</sup> MARCH 2021 to 5<sup>TH</sup> JUNE 2021.

**CONSCIENCE TECHNOLOGIES**

Project Manager

**V. REDDY**

Address:  
#17-83/2C, 3rd Floor, Opp. Bank of Maharashtra,  
Anna-purna Research Park, near  
Dilsukhnagar, Hyderabad-500043  
☎ : 040-6012 1199

**MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY**  
Bandlaguda, Hyd-500 005.

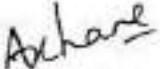



## CERTIFICATE


This is to certify that the project work entitled "Designing of Smart And Secure Single ATM Card For Multiple Bank Accounts" is submitted by

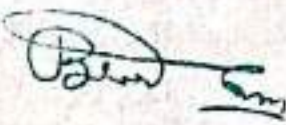
G.Rahul Reddy	17E31A0424
G.Jyoshna	17E31A0427
Jeevan Reddy Kamati	17E31A0437
Kotte Prashanth	17E31A0442

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision. The results embodied in this report have not been submitted to any other university or Institution for the award of any degree or diploma.

  
K. Archana  
Assistant Professor  
Project Guide

  
K. Venkateswarlu  
Assistant Professor  
Project Coordinator

  
Dr. Jaspal Kumar  
Professor &  
Head of the Dept.

  
External Examiner

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.







CERTIFICATE

This is to certify that

G. RAHUL REDDY	17E31A0424
G. JYOSHNA	17E31A0427
JEEVAN REDDY KARNATI	17E31A0437
KOTTE PRASHANTH	17E31A0442

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B.Tech (E.C.E) final year along with team members has completed their Major project with us on "DESIGNING OF SMART AND SECURE SINGLE ATM CARD FOR MULTIPLE BANK ACCOUNTS" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V.REDDY

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

Address






## CERTIFICATE

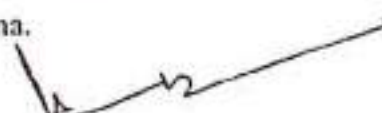
This is to certify that project work entitled "Zigbee based Vehicle-to-Vehicle Communication using RaspberryPi" is submitted by


K. Ramya Sri	17E31A0440
K. Akhila	17E31A0441
M. Akash Chandra	17E31A0444
M. Renuka	17E31A0445

In partial fulfilment of the requirements for the Degree of Bachelor of technology in **Electronics and Communications Engineering** of Mahaveer institute of science and technology, Hyderabad, during the academic year 2020-2021, is a Bonafide record of work carried out under our guidance and supervision.

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

  
Mr. G. Srinivas  
Assistant Professor  
Project Guide  
Dept. of ECE

  
Mr. K. Venkateswarlu  
Assistant Professor  
Project Coordinator  
Dept. of ECE

  
Dr. Jaspal Kumar  
Professor  
Head of Dept. ECE



External Examiner

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.





## CERTIFICATE

This is to certify that,

K. Ramya Sri	17E31A0440
K. Akhila	17E31A0441
M. Akash Chandra	17E31A0444
M. Renuka	17E31A0445

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B. Tech (E.C.E) final year along with Team Members has completed their major project with us on "Zigbee based Vehicle-to-Vehicle communication using Raspberrypi" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 20th APRIL 2021 to 5TH JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager  
K.V. REDDY

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

Address  
#17-8372C, 3rd Floor, Opp. Bank of Maharashtra  
Banjara Hills, Hyderabad






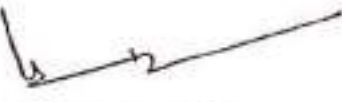
## CERTIFICATE


This is to certify that the project work entitled "Raspberry Pi based Solar grass cutter robot operated using Mobile App" is submitted by

Apurva Deshpande	17E31A0405
C.Tejaswi	17E31A0415
E.Shirisha	17E31A0421
G.Rajkumar	17E31A0430

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.  
The results embodied in this report have not been submitted to any other University or Institution for the award of any degree or diploma.


  
Assistant Professor  
Guide

  
K. Venkateswarlu  
Assistant Professor  
Project Coordinator

  
Dr. Jaspal Kumar  
Professor  
Head of Dept.

External Examiner



  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



## Certificate

This is to certify that

Apurva Deshpande	17E31A0405
C.Tejaswi	17E31A0415
E.Shirisha	17E31A0421
G.Rajkumar	17E31A0430

Students of MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY, HYDERABAD studying B. Tech (E.C.E) final year have completed their major project with us on "RASPBERRY PI BASED SOLAR GRASS CUTTER ROBOT OPERATED USING MOBILE APP" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY



PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Hyd-500 005

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F17-53/2C, 3rd Floor Opp. Bank of Maharashtra,  
Annapurna Function Hall Lane,  
Dilsukhnagar, Hyderabad-500060  
☎ : 040-6012 3199



**CERTIFICATE**

This is to certify that the project work entitled " smart wheel chair with voice recognition"  
is submitted by

Siddhartha Kolla	16E31A0444	
Mahesh Kumar	16E31A0420	
Vamshi	17E31A0439	
Vivek Reddy	16E31A0458	

In partial fulfilment of the requirements for the Degree of Bachelor of Technology  
in **Electronics & Communication Engineering** of Mahaveer Institute of Science  
& Technology, Hyderabad, during the academic year 2020-21, is a bonafide record  
of work carried out under our guidance and supervision.

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

M. Devaraju  
Associate Professor  
Guide

K. Venkateswarlu  
Assistant Professor  
Project Coordinator

Dr. Jaspal Kumar  
Professor  
Head of the Dept.

PRINCIPAL  
M. MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

External Examiner

II







**CONSCIENCE TECHNOLOGIES**  
A RIGHT PLATFORM FOR ALL ENGINEERS...

## Certificate

This is to certify that

K.MAHESH KUMAR

16M31A0420

SIDDHARTHA KOLLA

16E31A0444

A. VIVEK REDDY

16E31A0458

K.VAMSHI

17E31A0439

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD. Studying B.Tech(E.C.E) final year have completed their Major project With us on "SMART WHEEL CHAIR WITH VOICE RECOGNITION" the partial fulfillment of the award of "BACHELOR OF TECHNOLOGY in E.C.E" during the period of 20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.

For CONSCIENCE TECHNOLOGIES



PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bendlaguda, Hyd-500 005.





## CERTIFICATE

This is to certify that the project work entitled "Innovative Congestion Traffic Control for Ambulance using RASPI" is submitted by

Aravind Joshi	17E31A0406
B. Mounika Yadav	17E31A0407
D. Sumedha	17E31A0419
R. Kalyani	17E31A0454

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

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K. Venkateswarlu  
Assistant Professor  
Project Coordinator

Dr. Jaspal Kumar  
Professor  
Head of Dept. & Guide

External Examiner

PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.





**CONSCIENCE TECHNOLOGIES**

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## CERTIFICATE

This is to certify that

ARAVIND JOSHI	17E31A0406
B. MOUNIKA YADAV	17E31A0407
D. SUMEDHA	17E31A0419
R. KALYANI	17E31A0454

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B. Tech (E.C.E) final year have completed their major project with us on "INNOVATIVE CONGESTION TRAFFIC CONTROL SYSTEM FOR AMBULANCE USING RASPI" the partial fulfillment of the award of "BACHELOR OF TECHNOLOGY in E.C.E" during the period of 20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.




CERTIFICATE

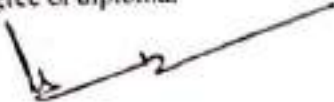
This is to certify that the project work entitled "SMART PRE-PAID ENERGY METER USING GSM" is submitted by


Bhanu Pratap Mishra	17E31A0409
Gayathri Mergu	17E31A0448
Sainad Reddy Naini	17E31A0456
H.Sandeep Kumar	17E31A0457

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

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

  
M. Cheenya  
Assistant Professor  
Project Guide

  
K. Venkateswarlu  
Assistant Professor  
Project Coordinator

  
Dr. Jaspal Kumar  
Professor  
Head of Dept.

External Examiner



PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.







## CERTIFICATE

This is to certify that

BHANU PRATAP MISHRA	17E31A0409
GAYATHRI MERGU	17E31A0448
SAINAD REDDY NAINI	17E31A0456
SANDEEP KUMAR.H	17E31A0457

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B. Tech (E.C.E) final year have completed their major project with us on "SMART PRE-PAID ENERGY METER USING GSM" the partial fulfilment of the award of "BACHELOR OF TECHNOLOGY in E.C.E" during the period of 20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

K.V. REDDY

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING

Vysapuri, Bandlaguda Post:Keshavgirl,  
Hyderabad-500 005, TS INDIA  
Tel: 040-20020772,20020773, Fax: 040-24455003  
E-mail: [e3hod\\_ece@gmail.com](mailto:e3hod_ece@gmail.com),  
Website: [www.mist.ac.in](http://www.mist.ac.in),

**MAHAVEER**

INSTITUTE OF SCIENCE & TECHNOLOGY  
Approved by AICTE. Affiliated to JNTUH Hyd



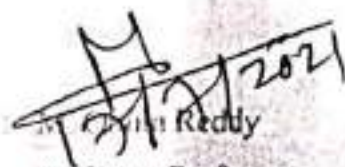
CERTIFICATE

This is to certify that the project work entitled "WOMEN SAFETY SYSTEM USING GPS AND GSM" is submitted by

M. Sathvika	17E31A0446
N. Rahul	17E31A0450
N. Srikanth	17E31A0451
V. Amba Bhavani	17E31A0469

In partial fulfilment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

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M. Sathvika  
Assistant Professor

Guide



K. Venkateswarlu

Assistant Professor

Project Coordinator



Dr. Jaspal Kumar

Professor

Head of Dept.



PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.







**CONSCIENCE TECHNOLOGIES**

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## CERTIFICATE

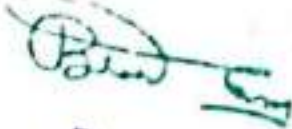
This is to certify that,

M.Sathvika	17E31A0446
N.Rahul	17E31A0450
N.Srikanth Yadav	17E31A0451
V. Amba Bhavani	17E31A0469

Students of **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD** studying **B. Tech (E.C.E)** final year along with Team Members has completed their major project with us on "**Women Safety System using GPS and GSM**" the partial fulfillment of the award of "**Bachelor of Technology in E.C.E**" during the period of **20th APRIL, 2021 to 5TH JUNE, 2021.**

For **CONSCIENCE TECHNOLOGIES**

Project Manager  
**K.V. REDDY**

  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
Bandlaguda, Hyderabad

Address  
#17-83/2C, 3rd Floor, Opp. Bank of Maharashtra





## CERTIFICATE

This is to certify that the project work entitled "Mobile App controlled Pick & Place Robotic Vehicle using Raspi" is submitted by


M.SumithChandra	17E31A0447
V.Rahul	17E31A0465
V.Avinash	17E31A0466
V.Gnaneshwar	17E31A0467

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in Electronics & Communication Engineering of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.


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

  
S. Kirpal Kour  
Assistant Professor  
Project Guide

  
K. Venkateswarlu  
Assistant Professor  
Project Coordinator

  
Dr. Jaspal Kumar  
Professor &  
Head of Dept.

External Examiner

  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
BANDLAGUDA, HYD-500015





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## CERTIFICATE

This is to certify that

M.SUMITHCHANDRA	17E31A0447
V.RAHUL	17E31A0465
V.AVINASH	17E31A0466
V.GNANESHWAR	17E31A0467

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying **B.Tech (E.C.E)** final year along with team members has completed their Major project with us on "SMART HELMET FOR UNDERGROUND MINING WORKERS" the partial fulfillment of the award of "Bachelor of Technology in E.C.E" during the period of 20<sup>th</sup> JANUARY 2021 to 20<sup>th</sup> FEBRUARY 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

**K.V.REDDY**

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bondraguda, Hyd-500 005.

Address:

817, 817/C, 3rd Floor, Opp. B... ..



## CERTIFICATE

This is to certify that

<b>BHANU PRATAP MISHRA</b>	<b>17E31A0409</b>
<b>GAYATHRI MERGU</b>	<b>17E31A0448</b>
<b>SAINAD REDDY NAINI</b>	<b>17E31A0456</b>
<b>SANDEEP KUMAR.H</b>	<b>17E31A0457</b>

Students of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD studying B. Tech (E.C.E) final year have completed their major project with us on "SMART PRE-PAID ENERGY METER USING GSM" the partial fulfilment of the award of "BACHELOR OF TECHNOLOGY in E.C.E" during the period of 20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.

For CONSCIENCE TECHNOLOGIES

Project Manager

**K.V. REDDY**







## CERTIFICATE

This is to certify that the project work entitled "Mobile App controlled Pick & Place Robotic Vehicle using Raspi" is submitted by


M.SumithChandra	17E31A0447
V.Rahul	17E31A0465
V.Avinash	17E31A0466
V.Gnaneshwar	17E31A0467

In partial fulfillment of the requirements for the Degree of Bachelor of Technology in **Electronics & Communication Engineering** of Mahaveer Institute of Science & Technology, Hyderabad, during the academic year 2020-21, is a bonafide record of work carried out under our guidance and supervision.

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

  
S. Kirpal Kour  
Assistant Professor  
Project Guide

  
K. Venkateswarlu  
Assistant Professor  
Project Coordinator

  
Dr. Jaspal Kumar  
Professor &  
Head of Dept.

External Examiner





## CERTIFICATE

This is to certify that

<b>ARAVIND JOSHI</b>	<b>17E31A0406</b>
<b>B. MOUNIKA YADAV</b>	<b>17E31A0407</b>
<b>D. SUMEDHA</b>	<b>17E31A0419</b>
<b>R. KALYANI</b>	<b>17E31A0454</b>

Students of **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, HYDERABAD** studying **B. Tech (E.C.E)** final year have completed their major project with us on **"INNOVATIVE CONGESTION TRAFFIC CONTROL SYSTEM FOR AMBULANCE USING RASPI"** the partial fulfillment of the award of **"BACHELOR OF TECHNOLOGY in E.C.E"** during the period of **20<sup>th</sup> APRIL 2021 to 5<sup>th</sup> JUNE 2021.**

For **CONSCIENCE TECHNOLOGIES**

**Project Manager**

**K.V. REDDY**





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E-mail: [principal.mahaveer@gmail.com](mailto:principal.mahaveer@gmail.com),  
Website: [www.mist.ac.in](http://www.mist.ac.in),  
EAMCET Code: MHVR , JNTUH Code: E3

**2017-2021 IV CSE A Major Project Titles**

B No	Batch	Students Names	Project Title	Guide name	
1	17E31A0502	VARUN KUMAR	Webcam Motion Detection and Alerting Sytem	Mr R Naveen Kumar	Assistant Professor
	17E31A0507	MAHESH			
	17E31A0533	MD ISMAIL			
2	17E31A0504	B SUPRIYA	Data science Process Pipeline to Slove Employee Attrition Predicting with AI	Mr B Sevanaik	Associate Professor
	17E31A0515	GEETHIKA C			
3	17E31A0508	CHELLOJU ANUSHA	Detecting Phishing Attacks using Natural Language Processing and Machine Learning	Mr P. Ramesh	Associate Professor
	17E31A0528	LONE HARISH			
4	17E31A0509	HARISH CHENCHU	Crop Protection using ML	Mr M Sreenivas Reddy	Assistant Professor
	17E31A0521	K VISHAKA			
5	17E31A0510	D GANESH	Fake Review Analysis using Machine Learning	Mr B Sevanaik	Associate Professor
	17E31A0525	K AKHILESH			
6	17E31A0516	GURRAM MANI RUPAK	Desktop Voice Assistant using Python	Mr K Sudhakarudu	Assistant Professor
	17E31A0542	SHAIK BHASHA			
7	17E31A0517	HUSNA HIBA	Software fault Detection using ML	Mrs M Swapna	Assistant Professor
	17E31A0540	RUQSAR RIYAZ			
8	17E31A0520	KANKATI ARAVIND	Moving Object Detection in Complex Scene Using Spatiotemporal Structured-Sparse RPCA	Mr. Mohammed Siddique	Assistant Professor
	17M31A0564	TEPPALA AKSHAYKUMAR			
9	17E31A0523	ANUSHRI KOPPULA	Multimodal Bio-metric Recognition with Fusion on Face Finger Iris Ear And Vein Pattern Based Recognition	Mrs J Madhavi	Assistant Professor
	17E31A0548	T SHREYA			
10	17E31A0537	PEDDOLLA ANAND	Sentiment Analysis of Comment Texts based on	Mr Muneer Ahmed	Associate Professor





		<b>REDDY</b>			
	17E31A0544	<b>SRIKANTH</b>	<b>BiLSTM Sentimental</b>		
11	17M31A0502	<b>RISHIKA</b>	<b>Cyber Money Laundering Detection using Machine Learning Methods</b>	<b>Mrs A Sarala Devi</b>	<b>Assistant Professor</b>
	17M31A0508	<b>ASHISH KUMAR</b>			
12	17UR1A0516	<b>SAKALI JHANSI</b>	<b>Child Safety and Tracking Management System</b>	<b>Mr M Sreenivas Reddy</b>	<b>Assistant Professor</b>
	17UR1A0518	<b>VISHAKA SHARMA</b>			
13	17E31A0501	<b>A SHIRISHA</b>	<b>Review on Prediction System for Bank Loan Credibility</b>	<b>Mrs G Manasa</b>	<b>Assistant Professor</b>
	17E31A0547	<b>THADOJU MURALI KRISHNA</b>			
14	17E31A0512	<b>HARIKA</b>	<b>Finding Best Restaurants in Hyderabad on Zomato Dataset</b>	<b>Mr M Sreenivas Reddy</b>	<b>Assistant Professor</b>
	17E31A0530	<b>MADDI MAIBU</b>			
15	17E31A0514	<b>GANECHAR Y SHREYA</b>	<b>Driver Drowsyness Detection System</b>	<b>Mrs G Sowjanya</b>	<b>Assistant Professor</b>
	17E31A0541	<b>SARIKELLA MANASA</b>			
16	17E31A0519	<b>JANUMPAL LY GAYATHRI REDDY</b>	<b>Startup Growth/ Unicorn Prediction System</b>	<b>Mr Muneer Ahmed</b>	<b>Associate Professor</b>
	17E31A0539	<b>RAGULA REKHA</b>			
17	17E31A0522	<b>CHANDANA K</b>	<b>Network Based Intrusion Detection System Using Artificial Neural Network in Data Mining.</b>	<b>Mr K Giribabu</b>	<b>Assistant Professor</b>
	17E31A0549	<b>V VIKRAM KOUNDINY A</b>			
18	17E31A0526	<b>LASHKARI ANIKET SINGH</b>	<b>Census Income Dataset Using Machine Learning With Data Analysis</b>	<b>Dr J Malla reddy</b>	<b>Professor</b>
	17E31A0543	<b>SYED KHALID ABDULLAH</b>			
19	17E31A0532	<b>MANDAPUR AM VINITHA</b>	<b>Crypto Currency Price Prediction Using Recurrent Neural Networks</b>	<b>Mrs M Srividya</b>	<b>Assistant Professor</b>
	17E31A0545	<b>TANISHKA GERALDIN E</b>			
20	17E31A0546	<b>TARA AFREEN</b>	<b>Flip kart Product Recommendation System With Machine Learning By Using Past Purchase Behavior (Ppb) Of Customer</b>	<b>Dr R Nakkeeran</b>	<b>Professor &amp; HOD</b>
	17M31A0515	<b>BOBBILE KEERTHI</b>			
21	17M31A0505	<b>ALUGANI AMULYA</b>	<b>Eye Detection on A Human face Using Machine</b>	<b>Mr N Ashwan Kumar</b>	<b>Assistant Professor</b>



	17M31A0558	S HARISH	Learning		
22	17M31A0512	BAKARAM VIDYA	Shopping Mall Potential Customer Analysis With Machine Learning Using Clustering Algorithm	Mrs G Manasa	Assistant Professor
	17M31A0529	KILARI SRUJANA			
23	17M31A0526	VAMISANI SRUJAN	Emergency Ward Rush Prediction System To Help In Planning And Maintenance For Hospital Using Recurrent Neural Network	Dr R Nakkeeran	Professor & HOD
	17M31A0530	K VAISHNAVI			
24	17M31A0533	KARRE SUSHMITH A	Stock Price Prediction using Linear Regression	Mr G Sandhash Kumar	Assistant Professor
	17M31A0557	SAMA KALYANI			
25	17M31A0536	MALAKEDI MANEESHA	Students Marks Prediction using Linear Regression	Mrs A Sarala Devi	Assistant Professor
	17M31A0541	NIKHILA			

  
HOD-CSE

  
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Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



## CERTIFICATE

This is to certify that the industry oriented mini project report entitled "WEBCAM MOTION DETECTION AND ALERTING SYSTEM" which is being submitted by B. Varun Kumar [17E31A0502], Ch. Mahesh [17E31A0507] and Md. Ismail [17E31A0533] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY is a record of the bonafide work carried out by them under our guidance and supervision.

  
Mr. Naveen Kumar  
Assitant.Professor

  
Prof. R. NAKKEERAN, M.E., Ph.D.,  
Professor & Head of the department

  
External Examiner

Dr. B. NAGESWARA RAO  
PRINCIPAL

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## CERTIFICATE

This is to certify that the major project work report entitled "**Data Science Process Pipeline To Solve Employee Attrition Problem Using AI**" which is being submitted by **B Supriya [17E31A0504]**, **Geethika C [17E31A0515]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bonafide work carried out by them under our guidance and supervision.

**Mr. B Seva Naik**  
Associate. Professor

**Dr. R. Nakkeeran, M. E, Ph.D,**  
Professor and Head

External Examiner

**Dr. B. Nageswara Rao**



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## CERTIFICATE

This is to certify that the major project work report entitled "DETECTING PHISING ATTACKS USING NATURAL LANGUAGE PROCESSING AND MACHINE LEARNING" which is being submitted by Chelloju Anusha [17E31A0508], Lone Harish [17E31A0528] in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, Hyderabad is a record of the bonafide work carried out by them under our guidance and supervision.

Mr. PABBOJU RAMESH

Professor

Dr. R. NAKKEERAN, M. E, Ph.D,

Professor & Head of the department

External Examiner

Dr. B. NAGESWARA RAO  
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## CERTIFICATE



This is to certify that the major project work report entitled “CROP PREDICTION USING MACHINE LEARNING” which is being submitted by Kasula Vishaka [17E31A0521], Chenchu Harish [17E31A0509], in partial fulfilment for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of bonafide work carried out by them under our guidance and supervision.

  
Mr. M. Sreenivas Reddy

Assistant Professor

  
External Examiner

  
Dr. R. Nakkeran, M.E, Ph.D.

Professor & Head

  
Dr. B. Nageswara Rao

Principal

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## CERTIFICATE

This is to certify that the major project work report entitled **“FAKE REVIEW ANALYSIS USING MACHINE LEARNING”** which is being submitted by **K AKHILESH [17E31A0525], D GANESH [17E31A0510]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bonafide work carried out by them under our guidance and supervision.

**Mr. B. Sevanaik sir**

Associate Professor.

External Examiner

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Bandlaguda, Hyd-500 005.**

**Dr. R. Nakkeeran, M. E, Ph.D**

Professor and Head



**Dr. B. Nageswara Rao**

**PRINCIPAL**

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## CERTIFICATE

This is to certify that the industry oriented mini project report entitled "**AI DESKTOP VOICE ASSISTANT**" which is being submitted by **Gurram Mani Rupak [17E31A0516]** and **Shaik Bhasha [17E31A0542]** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE AND ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY** is a record of the bonafide work carried out by them under our guidance and supervision.

Mr. K. Sudhakar

Asstant. Professor

Prof. R. NAKKEERAN, M.E., Ph.D.,

Professor & Head of the department

External Examiner

Dr. B. NAGESWARA RAO

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## CERTIFICATE

This is to certify that the major project work report entitled "**SOFTWARE FAULT DETECTION USING MACHINE LEARNING**" which is being submitted by **Husna Hiba [17E31A0517]** and **Ruqsar Riyaz [17E31A0540]** in partial fulfilment for the award of the degree of **BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of Bonafide work carried out by them under our guidance and supervision.

**Mrs. M. SWAPNA**

Assistant Professor

External Examiner

**Dr. R. Nakkeeran, M.E, Ph. D.**

Professor & HOD

**Dr. B. NAGESHWARA RAO**

Principal

**PRINCIPAL**  
**MAHAVEER<sup>2</sup>**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.







## CERTIFICATE

This is to certify that the major project work report entitled “Moving object detection in complex scene using spatiotemporal structured-sparse RPCA” which is being submitted by **Kankati Aravind[17E31A0520]**, **Teppala Akshay Kumar[17M31A0564]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bonafide work carried out by them under our guidance and supervision.

**Mr. Mohammed Siddique**

Assistant Professor.

**Dr. R. Nakkeeran, M. E, Ph.D,**

Professor and Head

External Examiner

**Dr. B. Nageswara Rao**

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## CERTIFICATE

This is to certify that the major project work report entitled "IMAGE QUALITY ASSESSMENT FOR FAKE BIOMETRIC DETECTION: APPLICATION TO IRIS, FINGERPRINT, AND FACE RECOGNITION" which is being submitted by **Koppula Anushri [17E31A0523], Thukkani Shreya [17E31A0548]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

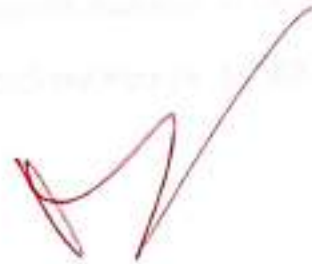


Internal Guide

Mrs. J. Madhavi  
Assistant. Professor.



External Examiner



Dr. R. Nakkeeran, M. E, Ph.D,  
Professor and Head of the Department

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Dr. B. Nageswara Rao



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## CERTIFICATE

This is to certify that the major project work report entitled “**Sentiment Analysis of Comment Text Based on Cnn-Bilstm**” which is being submitted by **Peddolla Anand Reddy [17E31A0537]**, **Tangutoori Srikanth [17E31A0544]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

**Mr. Muneer Ahmed**  
Assistant Professor.

**Dr. R. Nakkeeran, M. E, Ph.D.**  
Professor & Head of the Department

**External Examiner**

**Dr .B. Nageswara Rao**



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## CERTIFICATE

This is to certify that the major project work report entitled “**Cyber Money Laundering Detection Using Machine Learning**” which is being submitted by **Ashish Kumar [17M31A0508]** , **Adla Rishika [17M31A0502]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

**Mrs. A. Sarala Devi**

Assistant. Professor.

**Dr. R. Nakkeeran, M. E, Ph.D,**

Professor and Head

External Examiner

**Dr. B. Nageswara Rao**

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**CERTIFICATE**

This is to certify that the major project work report entitled "**CHILD SAFTEY AND TRACKING MANAGEMENT SYSTEM**" which is being submitted by **Sakali Jhansi [17UR1A0516]**, **Vishaka Sharma [17UR1A0518]**, in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

  
**Mr. M. Sreenivas Reddy**

Assistant Professor

  
External Examiner

  
**Dr. R. Nakkeeran, ME, Ph.D.,**

Professor and Head

**Dr. B. Nageswara Rao**



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## CERTIFICATE

This is to certify that the major project work report entitled “Review on Prediction System for Bank Loan Credibility” which is being submitted by A. Shirisha [17E31A0501], T. Murali Krishna[17E31A0547] in partial fulfilment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bona fide work carried out by them under our guidance and supervision.

**Mrs. G. Manasa**

Assistant Professor.

External Examiner

**Dr. R. Nakkeeran, M. E, Ph.D.**

Professor and Head

**Dr. B. Nageswara Rao**  
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## CERTIFICATE

This is to certify that the major project work report entitled **"FINDING BEST RESTAURANTS IN HYDERABAD USING ZOMATO DATASET"** which is being submitted by **Gattu Harika [17E31A0512], Maddi Maibu[17E31A0530]** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

**Mr. M. Srinivas Reddy**  
Assistant Professor.

**Dr. R. Nakkeeran, M. E, Ph.D,**  
Professor and Head

External Examiner

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## CERTIFICATE

This is to certify that the mini project work report entitle "DRIVER DROWSINESS DETECTION SYSTEM" which is being submitted by **Ganechary Shreya [17E31A0514]** and **Saikella Manasa [17E31A0541]**, in partial fulfilment for the award of the degree of **BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of Bonafide work carried out by them under our guidance and supervision.

**Mrs. G. Sowjanya**

Assistant Professor.

**Dr. R. Nakkeeran, M.E.Ph.D.**

Head of the Department

**External Examiner**



**Dr. B. Nageswara Rao**

Principal.

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2020-2021

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Vyasaपुरi, Bandlaguda, Post: Keshavgiri, Hyderabad-500005



**CERTIFICATE**

This is to certify that the major project work report entitled "STARTUP GROWTH PREDICTION USING MACHINE LEARNING" which is being submitted by **Janumpally Gayathri Reddy[17E31A0519], R.Rekha[17E31A0539]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

  
**Mr. Munir Ahmed**

Associate Professor.



External Examiner

  
**Dr. R. Nakkeeran, M. E, Ph.D,**

Professor and Head



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## CERTIFICATE

This is to certify that the technical seminar report entitled "**Network Based Intrusion Detection System Using Artificial Neural Network In Data Mining**" which is being submitted by **K Chandana[17E31A0522]** **Veldanda Vikram [17E31A0549]** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE AND ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY** is a record of the bonafide work carried out by them under our guidance and supervision.

Mr. Giri Babu

Asst. Professor.

Prof. R. Nakkeeran

HEAD OF THE DEPARTMENT

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Bandlaguda, Hyd-500 005.





Date : 03/06/2021

## CERTIFICATE

This is to certify that the thesis 'INCOME ANALYSIS USING MACHINE LEARNING : ADULT CENSUS PERSPECTIVE' being submitted by **Lashkari Aniket Singh [17E31A0526]** and **Syed Khalid Abdullah[17E31A0543]** in partial fulfillment for the award of Bachelor of Technology in Computer Science & Engg. (B.Tech) to the Jawaharlal Nehru Technological University is a record of bonafide Main Project Work carried out by them under our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

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## CERTIFICATE


This is to certify that the major project work report entitled "Cryptocurrency Price Prediction Using Recurrent Neural Networks" which is being submitted by **Tanishka Geraldine [17E31A0545]** and **Mandapuram Vinitha [17E31A0532]** in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE AND ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY** is a record of the bonafide work carried out by them under our guidance and supervision.

  
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**CERTIFICATE**

This is to certify that the major project work report entitled **“PRODUCT RECOMMENDATION SYSTEM WITH MACHINE LEARNING BY USING PAST PURCHASE BEHAVIOUR(ppb) OF CUSTOMER”** which is being submitted **TARA AFREEN[17E31A0546],B.KEERTHI[17M31A0515]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

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**CERTIFICATE**

This is to certify that the major project work report entitled "SHOPPING MALL POTENTIAL CUSTOMER ANALYSIS WITH MACHINE LEARNING USING CLUSTER ALGORITHM" which is being submitted by Bakaram Vidya [17M31A0512] and Kilari Srujana [17M31A0529], in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of the bonafide work carried out by them under our guidance and supervision.

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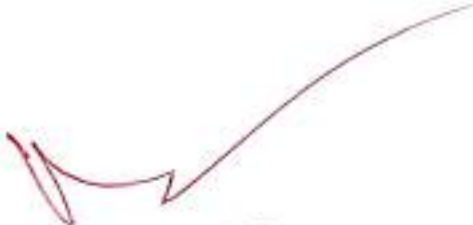
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This is to certify that the Major project work report entitled "Emergency Ward Rush Prediction System to Help in Planning And Maintenance for Hospital Using Recurrent Neural Network" which being submitted by K.Vaishnavi[17M31A0530] and Y.Srujan[17M31A0526] in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of bonafide work carried out by them under our guidance and supervision.

  
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**CERTIFICATE**

This is to certify that the major project work report entitled “**STOCK PRICE PREDICTION USING DEEP LEARNING**” which is being submitted by **Karre Sushmitha[17M31A0533], Sama Kalyani[17M31A0557]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bonafide work carried out by them under our guidance and supervision.

  
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**CERTIFICATE**

This is to certify that the major project work report entitled "**STUDENTS MARKS PREDICTION USING LINEAR REGRESSION**" which is being submitted by **MALAKEDI MANEESHA [17M31A0536], NAMANI NIKHILA [17M31A0541]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

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## CERTIFICATE

This is to certify that the major project work report entitled "**IMDB Movie Review Sentiment Classification Using Deep Learning**" which is being submitted by **R.Kalyaani[17E31A0584], S.Vidhya[17E31A0587]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

  
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## CERTIFICATE

This is to certify that the major project work report entitled “**CLASSIFICATION FOR DETECTING INSULTING AND ABUSIVE CONTENT IN SOCIAL MEDIA**” which is being submitted by **K.Vamshi[17E31A0567], C.Sri Lakshmi[17E31A0559]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bonafide work carried out by them under our guidance and supervision.

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## CERTIFICATE

This is to certify that the major project work report entitled "VIDEO RECOMMENDER SYSTEM BY ANALYSING THE USER'S HISTORICAL BEHAVIOURS SIMULATING THE NETFLIX RECOMMENDER SYSTEM USING MACHINE LEARNING" which is being submitted by A.HARINATH [17E31A0551], A.NAVYA [16M31A0505], in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

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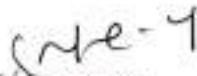
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This is to certify that the major project work report entitled "TWITTER SENTIMENT ANALYSIS" which is being submitted by **Gubba Harshavardhan gupta [17E31A0564]** and **M S S Vybhav [17E31A0571]**, in partial fulfilment for the award of the degree of **BACHEALOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING** of **JAWAHRLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of bonafide work carried out by them under our guidance and supervision.

  
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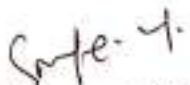
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## CERTIFICATE

This is to certify that the major project work report entitled "Exploratory Data Analysis Of Student Performance Analysis Based On ML" which is being submitted by Rikkula Bhavani[17E31A0585] and V.Shravanideepika[17E31A0592], in partial fulfilment for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of bonafide work carried out by them under our guidance and supervision.

  
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This is to certify that the major project work report entitled “**Employee salary prediction by using trained classifiers**” which is being submitted by **M.Kondal[17E31A0575]** and **T.Pavan kalyan[17E31A0591]**, in partial fulfilment for the award of the degree of **BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of bonafide work carried out by them under our guidance and supervision.

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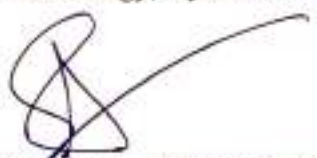
Date : /06/2021

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This is to certify that the thesis 'FAKE JOB RECRUITMENT DETECTION USING MACHINE LEARNING' being submitted by A.Varun Goud[17E31A0552] and P.Lokesh[17E31A0581] in partial fulfillment for the award of Bachelor of Technology in Computer Science & Engg. (B.Tech) to the Jawaharlal Nehru Technological University is a record of bonafide Main Project Work carried out by them under our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

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This is to certify that the major project work report entitled "**BLOCK CHAIN BASED VOTING SYSTEM**" which is being submitted by **HARI SHANKER [17E31A0565]**, **SYED OZAIR [17E31A0590]**, in partial fulfillment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

  
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## CERTIFICATE

This is to certify that the mini project work report entitled "ASSIRRA SECURITY ANALYSIS, A CAPCHA THAT EXPLOITS INTEREST-ALLIGNED MANUAL IMAGE CATEGORIZATION BY MICROSOFT" which is being submitted by SYED SAIF ALI [16E31A05A4] and SYED AFRIDI [17E31A0589] in partial fulfilment for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING OF JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of bonafide work carried out by them under our guidance and supervision.

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## CERTIFICATE

This is to certify that the Major Project report entitled "E-PAYMENT TRANSACTION USING ENCRYPTED QR CODE" which is being submitted by MOHAMMED SADIQ IMAD [176H1A0509], SYED ABDUL RAFEH [17E31A0588], in partial fulfillment for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY is a record of the bonafide work carried out by them under our guidance and supervision.

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This is to certify that the major project work report entitled "**Machine Learning Based Credit Card Fraud Dtection Problem**" which is being submitted by **Patel Sahithi[17E31A0582]**, **Konda Sowmya[16E31A0518]**and in partial fulfilment for the award of the degree of **BACHEALOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING of JAWAHLRAL NEHRU TECHNOLOGICAL UNIVERSITY** ,is a record of bonafide word carried out by them under our guidance and supervision.

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This is to certify that the major project work report entitled **“OCR BASED DRIVING LICENCE** which is being submitted by **G.Veena [17E31A0563 ] K.Srikanth[17E31A0568]** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

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## CERTIFICATE

This is to certify that the major project work report entitled “CONVERSION OF HUMAN VOICE DATA INTO ENGLISH TEXT USING NATURAL PROCESSING LANGUAGE” which is being submitted by **THIRUGUDU SAI KUMAR [16E31A0597]**, **SAIDHU RATHAN [16E31A0598]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

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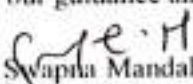
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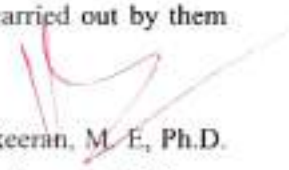


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This is to certify that the major project work report entitle "CUSTOMER PURCHSING INTENTION PREDICTION USING ML" which is being submitted by Borra Someshwar Reddy [17E31A0558] and Doragolla Madhu [17E31A0562] in partial fulfilment for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, is a record of Bonafide work carried out by them under our guidance and supervision.

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Dr. R. Nakkeeran, M. E, Ph.D.  
Professor & HOD

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Dr. B. Nageshwar Rao  
Principal.

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# MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGY

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## CERTIFICATE

This is to certify that the major project work report entitled "HUMAN ACTIVITY PATTERNS PREDICTION ( HAPP ) SYSTEM FOR SMARTHOME APPLICATION" which is being submitted by **Madagoni Niharika [17E31A0572]** and **Baimuthaka Triveni[17E31A0556]**, in partial fulfilment for the award of the degree of **BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of bonafide work carried out by them under our guidance and supervision.

**Mr K.Giribabu**

Assistant Professor.

**Dr. R. Nakkeeran, M. E, Ph.D.**

Professor and Head

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**Dr. B. Nageshwara Rao**

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## CERTIFICATE

This is to certify that the Industry Oriented Major Project work report entitled "**GOOGLE PLAY STORE APP REVIEW PREDICTION**" which is being submitted by **Ambati Pooja [17E31A0554]**, **Mothe Vikas [16E31A05D4]** in partial fulfillment for the award of the degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of bonafide work carried out by them under our guidance and supervision.

**Mr. R. Naveen Kumar**

Asst. Professor.

External Examiner

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Professor & Head of Department

Head of the Department  
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**Dr. B. Nageswara Rao**

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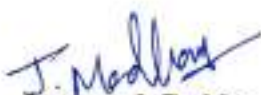
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## CERTIFICATE

This is to certify that the major project work report entitled "**PROCESS AND APPLICATION OF DATAMINING IN THE UNIVERSITY LIBRARY**" which is being submitted by **Nadella Jahnvi [17E31A0579]** and **Cholleti Prasanna [17E31A0560]**, in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

  
**Internal Guide**  
**Mrs. J. Madhavi**

Assistant. Professor.

  
External Examiner

  
**Dr. R. Nakkeeran, M.E, Ph.D.,**

Professor and Head of the Department

Head of the Department  
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## CERTIFICATE

This is to certify that the major project work report entitled "**Human Gender Classification/Recognition Based On The Features Of Voice Using Machine Learning With Logistic Regression Algorithm And Speech Synthesis Module**" which is being submitted by **A. Laxmikanth reddy[17E31A0555], P. Saideepa[17E31A0583]** in partial fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** of **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of the bona fide work carried out by them under our guidance and supervision.

**Mrs M. Swapna,**

Assistant Professor.

**Dr. R. Nakkeeran, M. E., Ph.D,**

Professor and Head

Head of the Department  
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**Dr. B. Nageswara Rao**  
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**CERTIFICATE**

This is to certify that the major project work report entitled "**AN EXPERIMENTAL STUDY WITH IMBALANCED CLASSIFICATION APPROACH FOR CREDIT CARD FRAUD DETECTION**" which is being submitted by **Kurmeti Revanth [17E31A0570]** and **Samudrala Sai Teja [17E31A0586]**, in partial fulfilment for the award of the degree of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING** of **JAWAHRLAL NEHRU TECHNOLOGICAL UNIVERSITY**, is a record of bonafide work carried out by them under our guidance and supervision.

*Mrs. Swapna*  
**Mrs. M. Swapna**  
Coordinator

**PRINCIPAL**  
**MAHAVEER**  
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Bandlaguda, Hyd-500 005.

*[Signature]*  
**External Examiner**

*[Signature]*  
**Dr. R. Nakkeeran, M. E, Ph.D.**  
Guide & Head of the Department

*[Signature]*  
Head of the Department  
Computer Science & Engg.

**Dr. B. Nageshwar Rao**  
Principal.



## DEPARTMENT OF INFORMATION TECHNOLOGY

### MAIN PROJECTS LIST

BATCH NO	HT NO	NAME	Title	Guide
1	17E31A1213	LAKSHIKA PAREEK	Bit coin price prediction using time series analysis observations marked with a time stamp	Dr A NANDAGOPAL REDDY
	17E31A1231	T.NISHANTH KUMAR		
2	17E31A1210	K.VINEETHA	Fake review analysis using ML.	V NARESH KUMAR REDDY
	17E31A1291	A.JHANAVI		
3	17E31A1205	BHARADWAJ AJITH	Detecting Phishing Attacks Using Natural Language Processing and Machine Learning	KBVK NAGASREE
	17E31A1230	S.NAVYA		
4	17E31A1227	P.SAI KIRAN	Software fault detection using ML.	R KESHAV
	17E31A1297	C.PRASHANSHA		
5	17E31A1214	L.SAMHITHA	Crop Prediction using ML	KBVK NAGASREE
	17E31A1232	VIDHYADHAR SHARMA		
6	17E31A1209	G.SHYAMALA	Cyber Money laundering Detection using Machine Learning methods	Dr A NANDAGOPAL REDDY
	17E31A1218	M.SRIKRISHNA		
7	17E31A1293	B.HARI PRASAD	Google IPO stock price forecasting with deep learning algorithm	SIDDI SRINIVAS
	17E31A1206	B.KIRAN KUMAR		
8	17E31A1212	K.VINITHA	spam detection using neural networks in python	N DEVENDHAR
	17E31A1217	M.AKSHITHA		
9	17E31A1233	YASMEEN BEGUM	Heart disease prediction using Machine Language	SIDDI SRINIVAS
	17E31A1211	K.HIMA BINDU		
10	17E31A1215	M.BHAVYASRI	Crop Yield Prediction Using Machine Learning Algorithms	V NARESH KUMAR REDDY
	17E31A1298	C.MAHESH		
11	17E31A1219	M.MOUNIKA	An Iris recognition algorithm for identity authentication	B MALLIAH
	17E31A1229	R.PRANEETH		
12	17E31A1220	MD.RAZZAK	Hand written digit recognition using deep learning	S.SUNIL
	17E31A1222	MD.HUSSAIN		
13	16E31A1215	MD.SALMAN	Crypto currency price detection using recurrent neural networks	M.S.PRIYANKA
	17E31A1223	MOIN		
	17E31A1221	JAWAD		

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Dr. A. Nanda Gopal Reddy  
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Department of Information Technology  
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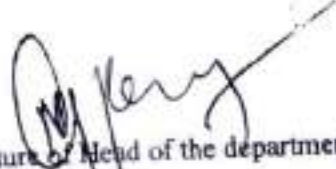
## CERTIFICATE

This is to certify that this Project work Report titled "BITCOIN PRICE PREDICTION USING TIME SERIES ANALYSIS OBSERVATIONS MARKED WITH A TIME STAMP" which is being submitted by LAKSHIKA PAREEK [17E31A1213] and SUMMA NISHANTH KUMAR [17E31A1231] in partial fulfillment for the award of the degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and record of the bonafide work carried out by them under our guidance during 2020-2021.

  
Signature of Project Guide  
**R.A.NANDA GOPAL REDDY**  
Head of the Department)

External Examiner

Signature of Head of the department

  
**DR.A.NANDA GOPAL REDDY**  
Dr. A. Nanda Gopal Reddy  
HOD, Dept. of Information Technology  
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Principal

**DR.B.NAGESHWARA RAO**



  
**DR. B. NAGESHWARA RAO**  
Principal  
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Department of Information Technology



## CERTIFICATE

This is to certify that this Project work Report titled "FAKE REVIEW ANALYSIS USING MACHINE LEARNING" which is being submitted by AKULA SAI JAHNAVI [17E31A1201] and KAAVATI VINEETHA [17E31A1210] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated to Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafied work carried out by them under our guidance during 2020-2021.

Signature of Project Guide

**Mr. V. NARESH KUMAR REDDY**  
(Assistant Professor)

Signature of Head of the department

**DR. A. NANDA GOPAL REDDY**  
(Head Of The Department)

1703, Dep. of Information Technology  
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External Examiner

Principal

**DR. B. NAGESHWARA RAO**

Signature of Principal

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**Department of Information Technology**



**CERTIFICATE**

This is to certify that this Project work Report titled "DETECTING PHISHING ATTACKS USING NATURAL LANGUAGE PROCESSING AND MACHINE LEARNING" which is being submitted by **BHARADWAJ AJITH [17E31A1205]** and **SAMA NAVYA [17E31A1230]** in partial fulfilment for the award of the Degree of **Bachelor Of Technology in Information Technology**, affiliated of **Jawaharlal Nehru Technological University, Hyderabad** and record of the bonafide work carried out by them under our guidance during 2020-2021.

Signature of Project Guide  
**Mrs. KBVK NAGASREE**  
(Assistant Professor)

Signature of Head of the Department  
**Dr. A. NANDA GOPAL REDDY**  
(Head of the Department)

**External Examiner**

**PRINCIPAL**  
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Department of Information Technology



## CERTIFICATE

This is to certify that this Project work Report titled "SOFTWARE FAULT DETECTION USING MACHINE LEARNING" which is being submitted by CHINTALA PRASHANSHA [17E31A1207] and PATHA SAIKIRAN [17E31A1227] in partial fulfilment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and record of the bonafide work carried out by them under our guidance during 2020-2021.

  
Signature Of Project Guide

**MR.R.KESAVAIAH**  
(Assistant Professor)

External Examiner

  
Signature of Head Of Department

**DR.A.NANDA GOPAL REDDY**  
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HOD, Dept. of Information Technology  
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Principal  
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## CERTIFICATE

This is to certify that this major project work report entitled "Crop prediction using machine learning" is being submitted by L.Sambitha [17E31A1214] and Vidhyadhar Sharma [17E31A1232] in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and a record of the bonafide work carried out by them under our guidance during 2020-21

Signature of Project Guide  
**Ms. KBVK NAGASREE**  
(Assistant Professor)

Signature of Head of the department

**Dr.A.NANDA GOPAL REDDY**

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Principal

**Dr.B.NAGESHWARA RAO**

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Principal  
Mahaveer Institute of Science & Technology  
Vyasapuri, Bandlaguda, Post Keshavigiri  
Hyderabad-500005.

Internal Examiner

Department of Information Technology




CERTIFICATE

This is to certify that this Project work Report titled "CYBER MONEY LAUNDERING DETECTION USING MACHINE LEARNING" which is being submitted by **GANDHAM SHYAMALA [17E31A1209]** and **MEKA SRIKRISHNA [17E31A1218]** in partial fulfillment for the award of the Degree of **Bachelor Of Technology** in **Information Technology**, affiliated of **Jawaharlal Nehru Technological University, Hyderabad** and record of the bonafide work carried out by them under our guidance during 2020-2021.

  
Signature Of Project Guide

**DR.A.NANDA GOPAL REDDY**

(Head Of Department)

  
Signature of Head Of Department

**DR.A.NANDA GOPAL REDDY**

(Head Of Department)

Dr. A. Nanda Gopal Reddy  
MOD, Department of Information Technology  
Mahaveer Institute of Science & Technology  
Vyasapuri, Bandlaguda, Post Keshavigiri  
Hyderabad-500005.

External Examiner

Principal

**DR.B.NAGESHWARA RAO**

  
PRINCIPAL  
**MAHAVEER**  
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## Department of Information Technology



### CERTIFICATE

This is to certify that this Project work Report titled "GOOGLE IPO PRICE FORECASTING USING DEEP LEARNING" which is being submitted by **B.HARI PRASAD [17E31A1203]** and **B.KIRAN KUMAR [17E31A1206]** in partial fulfillment for the award of the Degree of **Bachelor Of Technology in Information Technology**, affiliated of **Jawaharlal Nehru Technological University, Hyderabad** and record of the bonafide work carried out by them under our guidance during 2020-2021.

Signature of Project Guide

**Mr. SIDDI SRINIVAS**  
(Assistant Professor)

Signature of Head of the department

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Dr.A.Nanda Gopal Reddy  
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**Dr.B.NAGESHWARA RAO**

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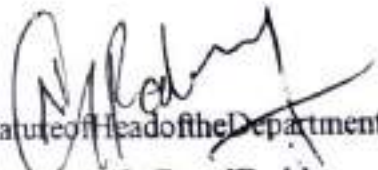
**CERTIFICATE**

This is to certify that this project work report entitled "Spam Detection Using Neural Networks In Python" which is being submitted by **K.VINITHA [17E31A1212]** and **M.AKSHITHA [17E31A1217]** in partial fulfillment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated to **Jawaharlal Nehru Technological University, Hyderabad** and is a record of the bonafied work carried out by them under our guidance during 2020-2021.

  
Signature of Project Guide

**Mr.N.Devendhar**

**(Assistant Professor)**

  
Signature of Head of the Department

**Dr.A.NandaGopalReddy**

**(Head Of The Department)**

**External Examiner**

  
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**Dr.B.Nageshwarrao**

**(Principal)**



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## CERTIFICATE

This is to certify that this project work report entitled "HEART DISEASE PREDICTION USING MACHINE LEARNING" which is being submitted by HIMA BINDU[17E31A1211], YASMEEN BEGUM[17E31A1233], in partial fulfilment for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafied work carried out by them under our guidance during 2020-2021.

Signature of Project Guide

**Mr. Siddi Srinivas**

**(Assistant Professor)**

Signature of Head of the Department

**Dr. A. Nanda Gopal Reddy**

**(Head Of The Department)**

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External Examiner

**Dr. B. Nageshwara Rao**

**(Principal)**



Dr. B. Nageshwara Rao  
Principal  
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Department Of Information Technology



## CERTIFICATE

This is to certify that this mini project work report entitled "Crop yield prediction using machine learning algorithms" is being submitted by **M.BhavyaSri[17E31A1215]** and **C.Mahesh [17E31A1208]** in partial fulfilment of for the award of the Degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and is record of the bonafide work carried out by them under our guidance during 2020-21

  
Signature of Project Guide

**Dr.V.NARESH KUMAR REDDY**  
(Assistant Professor)

Signature of Head of the Department

**Dr.A.NANDA GOPAL REDDY**

Dr.A.Nanda Gopal Reddy  
HOD, Dept. of Information Technology,  
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Vyasapuri, Bandlaguda, Post Keshavigiri,  
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**Dr. B Nageshwara rao**

Principal



  
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**Department of Information Technology**




**CERTIFICATE**

This is to certify that this Project work Report titled "AN IRIS RECOGNITION ALGORITHM FOR IDENTITY AUTHENTICATION" which is being submitted by **MIRYALA MOUNIKA [17E31A1219]** and **RAVUTLA PRANEETH [17E31A1229]** in partial fulfilment for the award of the Degree of **Bachelor Of Technology in Information Technology**, affiliated of **Jawaharlal Nehru Technological University, Hyderabad** and record of the bonafide work carried out by them under our guidance during 2020-2021.

  
13/7/2021  
Signature of Project Guide

**Mr. B MALLAIAH**  
(Assistant Professor)

**External Examiner**

  
Signature of Head of the Department

**Dr. A. NANDA GOPAL REDDY**  
(Head of the Department)  
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**Principal**

**Dr. B. NAGESHWARA RAO**





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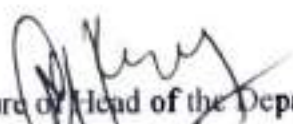
ESTD:2001

## CERTIFICATE

This is to certify that this project work report entitled " **HANDWRITTEN DIGIT RECOGNITION USING DEEP LEARNING**" which is being submitted by **MOHAMMED ABDUL RAZZAK [17E31A1220], MOHAMMED HUSSAIN UDDIN [17E31A1222]**, in partial fulfilment for the award of the Degree of **Bachelor Of Technology in Information Technology**, affiliated of **Jawaharlal Nehru Technological University, Hyderabad** and is a record of the bonafied work carried out by them under our guidance during 2020-2021.

  
Signature of Project Guide

**Mr. S. Sunil**  
(Assistant Professor)

  
Signature of Head of the Department

**Dr. A. Nanda Gopal Reddy**  
(Head Of The Department)  
HOD, Dept. of Information Technology  
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External Examiner

**Dr. B. Nageshwara Rao**

(Principal)





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AICTE) Vyasapuri, Bandlaguda, Post: Keshavgiri, Hyderabad-

500005



ESTD:2001

## CERTIFICATE

is is to certify that this project work report entitled "CRYPTO CURRENCY PRICE PREDICTION USING RECURRENT NEURAL NETWORK" which is being submitted by MOHAMMED SALMAN [16E31A1215], MOHAMMED JAWAD [17E31A1221] MOHAMMED MOINUDDIN SIDDIQUI [17E31A1223] in partial fulfilment for the award of the degree of Bachelor Of Technology in Information Technology, affiliated of Jawaharlal Nehru Technological University, Hyderabad and is a record of the bonafied work carried out by them under our guidance during 2020-2021.

*Priyanka*  
Signature of Project Guide

**K. Priyanka**  
(Assistant Professor)

External Examiner

Signature of Head of the Department

**Dr. A. Nanda Gopal Reddy**

**(Head Of The Department)**

Dr. A. Nanda Gopal Reddy  
HOD, Dept. of Information Technology  
Mahaveer Institute of Science & Technology  
Vyasapuri, Bandlaguda, Post Keshavgiri  
Hyderabad-500005.

**Dr. B. Nageshwara Ra**

*[Signature]*  
Dr. B. Nageshwara Ra  
Principal  
Mahaveer Institute of Science & Technology  
Vyasapuri, Bandlaguda, Post Keshavgiri  
Hyderabad-500005.







## DEPARTMENT OF AERONAUTICAL ENGINEERING

### PROJECT BATCH LIST(2020-21)

S.No	H.T.No of students	Name of the students	Name of the Guide	Title of the project
<b>BATCH - 1</b>				
1	17E31A2120	MOHAMMAD JUNAID SIDDIQUI	N.MAHESH	CAMBERED WING - COMPUTATIONAL ANALYSIS VS PHYSICAL ANALYSIS COMPARO
	17E31A2102	ABHIMANYU N ASHREY		
	17E31A2131	VAJEER NARENDHAR		
	18E35A2104	SYED MAROOF MOHIUDDIN		
<b>BATCH - 2</b>				
2	17E31A2103	AYUSHMAN DUBEY	G.SUDARSAN	MATERIAL SELECTION AND CRASH WORTHINESS ANALYSIS OF NOSE CONE OF AN AIRCRAFT
	17E31A2114	KARANKOT KEERTHI		
	17E31A2128	SODARI HAPPY		
	17E31A2129	SYED ZAID ASADULLAH		

  
PRINCIPAL  
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Bandlaguda, Post-744



HOD - AERO

3	18E35A2102	GUGULDTHU NIKHIL	R. RAJENDER	SMART AUTONOMOUS VEHICLE: DESIGN AND ANALYSIS OF MULTIROTOR DRONE TAXI
	18E35A2103	SYED AFZAL		
	18E35A2105	TAGALI KARTHIC		
	17E31A2127	SAMBARU VIKAS		
<b>BATCH - 4</b>				
4	17E31A2125	POLA ROHITH KUMAR	TIRAPATAIAH MUVVA	DESIGN AND ANALYSIS OF HIGH POWERED ROCKET & NON -PYRO MECHANISM
	17E31A2113	KAMIDI SHIVA SAHITHI		
	17E31A2123	NAINI MANISH YADAV		
	17E31A2103	ADIRE SPANDANA		
<b>BATCH - 5</b>				
5	17E31A2112	SAI KRISHNA	D. NAVEEN	ELECTRIC PROPULSION DESIGN OF DC DISCHARGE ION THRUSTER
	17E31A2116	ANOSH		
	17E31A2118	PRADEEP		
	17E31A2111	VINAY KUMAR		

  
**PRINCIPAL  
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 Gandhinagar, Hyderabad-500 002

  
**HOD AERO**

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

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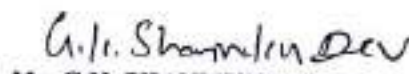


**CERTIFICATE**

This is to certify that this is the bonafide record of the project titled "ELECTRIC PROPULSION: DESIGN OF DC DISCHARGE ION THRUSTER" is submitted by GUGULOTH SAIKRISHNA (17E31A2112), GUDISE VINAYKUMAR (17E31A2111), KUDIKALA ANOSH (17E31A2116), MANDALA PRADEEP KUMAR (17E31A2118) of B.Tech in the partial fulfillment of the requirements for the degree of Bachelor of Technology in Aeronautical Engineering, Dept. of Aeronautical Engineering during the year 2020-2021. The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

  
Mr. D. NAVEEN  
M.Tech.

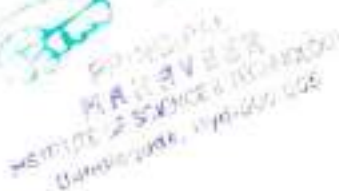
**INTERNAL GUIDE**

  
Mr. G.K. SHANMUKHDEV  
(Ph.D.)

**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER**



  
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**CERTIFICATE**

This is to certify that this is the bonafide record of the project titled "MATERIAL SELECTION AND CRASH WORTHINESS ANALYSIS OF AN AIRCRAFT NOSE CONE" is submitted by AYUSHMAN DUBEY (17E31A2105), KARANKOT KEERTHI (17E31A2114), SODARI HAPPI (17E31A2128), SYED ZAID ASADULLAH (17E31A2129) of B.Tech in the partial fulfillment of the requirements for the degree of Bachelor of Technology in Aeronautical Engineering, Dept. of Aeronautical Engineering during the year 2020-2021. The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

Mr. G. Sudarsan  
M.Tech.

INTERNAL GUIDE

Mr. G.K. Shanmukh Dev  
(Ph.D)

HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER



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**CERTIFICATE**

This is to certify that this is the bonafide record of the project titled "A DETAILED REVIEW ON VERTICAL TAKEOFF AND LANDING VEHICLE SYSTEM" is submitted by GUGULOTHU NIKHIL (18E35A2102), SYED AFZAL (18E35A2103), TAGILI KARTHIK (18E35A2105), SAMBARU VIKAS (17E35A2127) of B.Tech in the partial fulfillment of the requirements for the degree of Bachelor of Technology in Aeronautical Engineering, Dept. of Aeronautical Engineering during the year 2020-2021. The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

**Dr. S.R. DHINESH KUMAR, M.E, Ph.D**  
**INTERNAL GUIDE**

**G.K. SHANMUKH DEV, ME, (Ph.D)**  
**HEAD OF THE DEPARTMENT**

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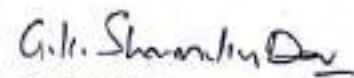
INSTITUTE OF SCIENCE & TECHNOLOGY  
Approved by AICTE, Affiliated to JNTUH,Hyd.




**CERTIFICATE**

This is to certify that this is the bonafide record of the project titled "DESIGN AND ANALYSIS OF HIGH POWER ROCKET" is submitted by POLA ROHITH KUMAR (17E31A2125), KAMIDI SHIVASAHITHI (17E31A2113), NAINI MANISH YADAV (17E35A2123), ADIRE SPANDANA (17E31A2103) of B.Tech in the partial fulfillment of the requirements for the degree of Bachelor of Technology in Aeronautical Engineering, Dept. of Aeronautical Engineering during the year 2020-2021. The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

  
Mr. Tirapataiah Muvva  
INTERNAL GUIDE

  
Mr. G.K. SHANMUKH DEV, ME, (Ph.D.)  
HEAD OF THE DEPARTMENT

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Website: [www.mist.ac.in](http://www.mist.ac.in)

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Approved by AICTE, Affiliated to JNTUH, Hyd.



**CERTIFICATE**

This is to certify that this is the bonafide record of the project titled "COMPUTATIONAL FLUID DYNAMICS ON BLENDED WING BODY AIRCRAFT" is submitted by MOHAMMAD JUNAID SIDDIQUI (17E31A2120), ABHIMANYU ASHRE (17E31A2102), VAJEER NARENDHAR (17E31A2131), SYED MAROOF MOHIUDDIN (18E35A2104) of B.Tech in the partial fulfillment of the requirements for the degree of Bachelor of Technology in Aeronautical Engineering, Dept. of Aeronautical Engineering during the year 2020-2021. The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

*N. Mahesh*  
Mr. N. MAHESH  
M.Tech.

INTERNAL GUIDE

*G.K. Shanmukh Dev*  
Mr. G.K. SHANMUKH DEV  
(Ph.D)

HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER

*[Signature]*

PRINCIPAL  
**MAHAVEER**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005





### CERTIFICATION

This is certify that the project titled "INITIAL PUBLIC OFFERING"(IPO) Submitted in Partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by "AMUDALAPALLI VIKAS" Roll no: 19E31E0001 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad been Carried under the guidance of "G. KISHORE KUMAR" Assist. Professor, Department of Management Studies (MIST)

This project report has not been submitted to any other university of institution for the award of degree/ diploma.

(G. KISHORE KUMAR)  
INTERNAL GUIDE

(DR. K. KIRAN KUMAR)  
HEAD OF THE DEPARTMENT

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.





## CERTIFICATION

This is certify that the project titled " FIXED ASSET MANAGEMENT " Submitted in Partial fulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by "ANUGU VINAYKANTH REDDY" Roll no: 19E31E0002 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad been Carried under the guidance of "G. KISHORE KUMAR" Assist. Professor, Department of Management Studies (MIST)

This project report has not been submitted to any other university of institution for the award of degree/ diploma.

(G. KISHORE KUMAR)  
INTERNAL GUIDE

PRINCIPAL  
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Bandlaguda, Hyderabad, 500 005.

(L. RAJESH GOUD)  
HEAD OF THE DEPARTMENT







## CERTIFICATION

This is to certify that the project title "INVESTMENT DECISION ANALYSIS" submitted in partial fulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by "GHOUSIYA BEGUM" roll no. 19E31E0005 to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "CH. RAGHUNATH REDDY" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university or Institution for the award of any Degree/Diploma.

CH. RAGHUNATH REDDY  
INTERNAL GUIDE

L. RAJESH GOUD  
HEAD OF DEPARTMENT

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.





## CERTIFICATION

This is certify that the project titled "NON-PERFORMING ASSETS" Submitted in Partialfulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by "G. SAI PRASAD" Roll no: 19E31E0006 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad been Carried under the guidance of "CH. RAGHUNATH REDDY" Assist. Professor, Department of Management Studies (MIST)

This project report has not been submitted to any other university of institution for the award of degree/ diploma.

(CH. RAGHUNATH REDDY)  
INTERNAL GUIDE

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyderabad, India.

(L. RAJESH GOUD)  
HEAD OF THE DEPARTMENT



## CERTIFICATION

This is to certify that the project title **"INVENTORY MANAGEMENT"** submitted in partial fulfillment for the award of **MASTER OF BUSINESS ADMINISTRATION** by **"HAFSA KAUSER"** roll no. **19E31E0008** to the department of management studies, **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY**, affiliated to JNTU, Hyderabad has been carried out under the guidance of **"CH. RAGHUNATH REDDY"** Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

(CH. RAGHUNATH REDDY)

**INTERNAL GUIDE**

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

(L. RAJESH GOUD)

**HEAD OF DEPARTMENT**







### CERTIFICATION

This is certify that the project titled "RATIOANALYSIS" Submitted in Partial fulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by "JRAMGOPAL"

Rollno:19E31E0009 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad been Carried under the guidance of "G KISHORE KUMAR" Assist. Professor, Department of Management Studies (MIST)

This project report has not been submitted to any other university of institution for the award of degree/diploma.

(KISHOREKUMAR)  
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(L.RAJESHGOUD)  
HEADOFTHEDEPARTMENT

PRINCIPAL  
MAHAVEER  
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Bandlaguda, Hyderabad-500 006.





## CERTIFICATION

This is to certify that the project title "CAREER MANAGEMENT" submitted in partial fulfilment for the award of **MASTER OF BUSINESS ADMINISTRATION** by "kodiganti parvalika " roll no. **19E31E0010** to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "k s archana" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

*Archana*  
(K S ARCHANA)

**INTERNAL GUIDE**

*L. Rajesh Goud*  
(L. RAJESH GOUD)

**HEAD OF DEPARTMENT**

*K. S. Archana*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hy-500 005.







### CERTIFICATION

This is certify that the project titled "STRESS MANAGEMENT" Submitted in Partialfulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by "KAMPALLEY KIRAN JYOTHI" Roll no: 19E31E0011 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad been Carried under the guidance of "KS. ARCHANA" Assist. Professor, Department of Management Studies (MIST)

This project report has not been submitted to any other university of institution for the award of degree/ diploma.

  
(KS. ARCHANA)  
INTERNAL GUIDE

  
(DR. RAMESH GOUD)  
HEAD OF THE DEPARTMENT

  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.







## CERTIFICATION

This is certify that the project titled "A Study on Competency Mapping and it's Impact on Employee Performance" Submitted in Partial fulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by

"KARNATAKA MANISHA GOUD" Roll no: 19E31E0013 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad been Carried under the guidance of "L.Rajesh Goud" Assist. Professor, Department of Management Studies (MIST)

This project report has not been submitted to any other university of institution for the award of degree/ diploma.

(L.RAHESH GOUD)

INTERNAL GUIDE

(DR. L.RAJESH GOUD)

HEAD OF THE DEPARTMENT

M  
INSTITUTE OF  
BANDLAGUDA





## CERTIFICATION

This is to certify that the project title "EMPLOYEE MOTIVATION" submitted in partial fulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by "KARRI SAI YAMINI" roll no. 19E31E0014 to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "L.RAJESH GOUD" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

  
(L.RAJESH GOUD)  
INTERNAL GUIDE

  
(L.RAJESH GOUD)  
HEAD OF DEPARTMENT

  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyderabad-500 005.





## CERTIFICATION

This is to certify that the project title "**FINANCIAL STATEMENT ANALYSIS**" submitted in partial fulfilment for the award of **MASTER OF BUSINESS ADMINISTRATION** by "**MANCHIREVLA KEERTHI**" roll no. **19E31E0016** to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "**G.KISHORE KUMAR**" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

(G.KISHOREKUMAR)

**INTERNAL GUIDE**

(L.RAJESH GOUD)

**HEAD OF DEPARTMENT**

**PRINCIPAL**  
**MAHAVEER**  
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Bandlaguda, Hyd-500 005.







## CERTIFICATION

This is to certify that the project title “**360 DEGREE PERFORMANCE APPRISAL**” submitted in partial fulfilment for the award of **MASTER OF BUSINESS ADMINISTRATION** by “**MOHAMMED AMER**” roll no. **19E31E0019** to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of “**L.RAJESH GOUD**” Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

(CH. RAGHUNATH REDDY)

**INTERNAL GUIDE**

(L.RAJESH GOUD)

**HEAD OF DEPARTMENT**

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.





## CERTIFICATION

This is to certify that the project title "EQUITY ANALYSIS OF PHARMA & HEALTHCARE STOCKS" submitted in partial fulfilment for the award of MASTER OF BUSNISS ASMINISTRATION by "MOHD ISMAIL" roll no. 19E31E0020 to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "G. KISHORE KUMAR" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

  
(G. KISHORE KUMAR)

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## CERTIFICATION

This is to certify that the project title "WORKING CAPITAL" submitted in partial fulfillment for the award of MASTER OF BUSINESS ADMINISTRATION by "NITISHA KUMARI PATEL" roll no. 19E31E0022 to the department of management studies, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, affiliated to JNTU, Hyderabad has been carried out under the guidance of "CH. RAGHUNATHREDDY" Assiant. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

(CH. RAGHUNATH REDDY)  
INTERNAL GUIDE

(L. RAJESH GOUD)  
HEAD OF DEPARTMENT

PRINCIPAL,  
MAHAVEER  
INSTITUTE OF DISTANCE EDUCATION  
HYDRABAD, TELANGANA







## CERTIFICATION

This is to certify that the project title "**CAPITAL MARKET**" submitted in partial fulfillment for the award of **MASTER OF BUSINESS ADMINISTRATION** by "**RAMPURIA VARSHA RANI**" roll no. **19E31E0023** to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "**CH.RAGHUNATHREDDY**" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

(CH. RAGHUNATH REDDY)

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(L.RAJESH GOUD)

**HEAD OF DEPARTMENT**

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MAHAVEER  
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Bandlaguda, Hyd-500 005.





## CERTIFICATION

This is certify that the project titled "PAY ROLL MANAGEMENT" Submitted in Partial fulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by "SIMHADRI BABU SAI KUMAR" Roll no: 19E31E0024 to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad been Carried under the guidance of "KS. ARCHANA" Assist. Professor, Department of Management Studies (MIST)

This project report has not been submitted to any other university of institution for the award of degree/ diploma.

*Archana*

(KS. ARCHANA)

INTERNAL GUIDE

*[Signature]*

(DR. K. KIRAN KUMAR)

HEAD OF THE DEPARTMENT

*Kanby*  
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MAHAVEER  
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Bandlaguda, Hyo-500 005.





### CERTIFICATION

This is to certify that the project title "ONLINE TRADING" submitted in partial fulfilment for the award of **MASTER OF BUSINESS ADMINISTRATION** by "S.SOWJANYA" roll no. 19E31E0025 to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "CH.RAGHUNATH REDDY" Assist. Professor, Department of management studies MIST.


This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

  
(CH.RAGHUNATH REDDY)

**INTERNAL GUIDE**

  
(L.RAJESH GOUD)

**HEAD OF DEPARTMENT**

  
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**MAHAVEER**  
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## CERTIFICATION

This is to certify that the project title "**COMPENSATION AND BENEFITS**" submitted in partial fulfilment for the award of **MASTER OF BUSINESS ADMINISTRATION** by "**SALOMI**" roll no. **19E31E0026** to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "**KS.ARCHANA**" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university or Institution for the award of any Degree/Diploma.

*Archana*  
(KS.ARCHANA)  
**INTERNAL GUIDE**

*Ri*  
(L.RAJESH GOUD)  
**HEAD OF DEPARTMENT**

*Kishor*  
**PRINCIPAL**  
**MAHAVEER**  
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Bandlaguda, Hyd-500 005.



## CERTIFICATION

This is to certify that the project title "**CAPITAL BUDGETING**" submitted in partial fulfillment for the award of **MASTER OF BUSINESS ADMINISTRATION** by "**S.SWAPNA REDDY**" roll no. **19E31E0027** to the department of management studies, **MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY**, affiliated to JNTU, Hyderabad has been carried out under the guidance of "**CH. RAGHUNATH REDDY**" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university of Institution for the award of any Degree/Diploma.

(CH.RAGHUNATH REDDY)  
**INTERNAL GUIDE**

(L.RAJESH GOUD)  
**HEAD OF DEPARTMENT**

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, HYD-500 005.





### CERTIFICATION

This is to certify that the project title "CASHFLOW STATEMENT" submitted in partial fulfillment for the award of **MASTER OF BUSINESS ADMINISTRATION** by "YAKARI MAHESHWAR" roll no. 19E31E0029 to the department of management studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad has been carried out under the guidance of "K S ARCHANA" Assist. Professor, Department of management studies MIST.

This project report has not been submitted to any other university or Institution for the award of any Degree/Diploma.

*Archana*

(K S ARCHANA)

**INTERNAL GUIDE**

*Rj*

(L.RAJESH GOUD)

**HEAD OF DEPARTMENT**

*Kshy*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.







## CERTIFICATION

This is certify that the project titled "RATIO ANALYSIS" Submitted in Partialfulfilment for the award of MASTER OF BUSINESS ADMINISTRATION by "M. SRIDHAR" Roll no: 19E31E0030to the Department of Management Studies, Mahaveer Institute of Science and Technology, affiliated to JNTU, Hyderabad been Carried under the guidance of "L. RAJESH GOUD" Assist. Professor, Department of Management Studies (MIST)

This project report has not been submitted to any other university of institution for the award of degree/ diploma.

(L. RAJESH GOUD)  
INTERNAL GUIDE

(L. RAJESH GOUD)  
HEAD OF THE DEPARTMENT

*Kanthy*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyderabad-500 005.





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CERTIFICATE

This is to certify that the Mini Project work entitled "ROOF TOP SOLAR SYSTEM AND NETMETER TECHNOLOGIES" has been successfully carried out in the partial fulfilment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY.

This bonafide work is carried out by

K. VINEETH (17E31A0216)

At CPTI (Central Power training Institute of TSSPDCL/ Hyderabad), with reference to Letter. No. DE/CPTI/Hyderabad/Mini Projects/S. No:05/20, Date: 27.07.2020 under the guidance of Sri. G SURESH BABU /AE/SAP/IT/TSSPDCL/HYD.

Place: Hyderabad

Date: 07/01/2021

(Sri. A. Srinivas Rao)



Divisional Engineer CPTI,  
TSSPDCL, Hyderabad

*K. Vinith*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



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### CERTIFICATE

This is to certify that the mini project work titled "construction standards of 33/11kv substation" has been successfully carried out in the partial fulfillment for the award of the degree of Bachelor of technology in Electrical and Electronics Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY

This bonafide work is carried out by

M.SREE CHANDANA (17E31A0220)

*(all the names should be there in cpti copy and college copy, individual names should be there in individual copy here)*

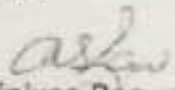
At CPTI(central power training institute of TSSPDCL/Hyderabad),

With reference to :Lr.CGM(HRD)/GM(Adm)/AS(Estt)/PO-D/682-D3/2017,

Date: (your sanction reference) under the guidance of Mr. Raju naik/ADE/TSSPDCL/HYD.


Place: Hyderabad

Date: 28/01/2021

  
sri . A.Srinivas Rao

Divisional Engineer/CPTI





PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.





TELANGANA STATE POWER TRANSMISSION CORPORATION LIMITED

CERTIFICATE

This is to certify that A MINI PROJECT work entitled "A STUDY OF 220/132KV SUBSTATION BUDIDAMPADU", - Study at BUDIDAMPADU is confide work carried-out by

A.MARUTHI

18E35A0202

In practical fulfilment for the award of the Degree of bachelor of technology in ELECTRICAL & ELECTRONICS ENGINEERING By the student of MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY, Vyasapuri, Bandalaguda, post: Keshavagiri, Hyderabad-500005 Telangana, during the Period 01-06-2020 to 30-06-2020

*K. Srinivas*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
BANDALAGUDA, HYD-500 005.

*[Signature]*  
Asst. Divisional Engineer  
Maintenance, TS TRANSCO,  
220 KV SS, BUDIDAMPADU.  
ASISTANT DIVISIONAL ENGINEER (ADE)  
MAINTENANCE, 220KV SS, TS TRANSCO  
BUDIDAMPADU, KHAMMAM DISTRICT



TELANGANA STATE POWER TRANSMISSION CORPORATION LIMITED  
CERTIFICATE

This is certify that Mini project work titled  
**"STUDY OF 220/132 KV SUBSTATION AT TRANSCO"**  
Is the bonafied work of MAHAVEER INSTITUTE OF SCIENCE AND  
TECHNOLOGY Student

A.MARUTHI (18E35A0202)

Under our guidance and supervision, submitted to the faculty of  
Department of Electrical and Electronics Engineering  
In particular fulfilment of the requirements for the award of Bachelor of Technology  
Education for mini project

IN  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

As prescribed by JNTUH for 1(one) month

PROJECT GUIDE

[E.RAVI BABU] ASISTANT DIVISIONAL ENGINEER (ADE)

*[Signature]*  
Asst. Divisional Engineer  
Maintenance, TS TRANSCO, 1  
220 KV SS, BUDIDAMPADU.  
ASISTANT DIVISIONAL ENGINEER (ADE)  
MAINTENANCE, 220KV SS, TS TRANSCO  
BUDIDAMPADU, KHAMMAM DISTRICT

*[Signature]*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

TELANGANA STATE TRANSMISSION CORPORATION LIMITED  
BUDIDAMPADU, RAGHUNADHAPALEM(M), KHAMMAM DISTRICT, TELANGANA.



**CERTIFICATE**

This is to certify that this is the bonafied record of the project report entitled "STUDY OF 220/132 KV SUBSTATION AT TRANSCO" carried out by

**A.MARUTHI (18E35A0202)**

Third year student of btech in MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY Vyasapur, Bandlaguda, post: keshavgiri, Hyderabad during the academic year 2018-2021 in partial fulfilment of the requirement for the award of the degree of bachelor of technology in Electrical and Electronics Engineering at Budidampadu substation during 01-06-2020 to 30-06-2020 in switch yard and control room under the guidance of E. RAVI BABU (ADE)

*K. Veer*

PRINCIPAL  
MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

Asst. Divisional Engineer  
Maintenance, TS TRANSCO,  
220 KV SS, BUDIDAMPADU.

**E.RAVI BABU**

**ASISTANT DIVISIONAL ENGINEER  
BUDIDAMPADU, KHAMMAM DISTRICT**





# 132/33 KV SUBSTATION

HYDERABAD  
HYDERABAD  
HYDERABAD

Place: Moosarambagh  
Date: 28.01.2021

## CERTIFICATE

This is to certify that the Mini Project work entitled "STUDY & MAINTENANCE OF 132/33 KV SUBSTATION" has been successfully carried out in the partial fulfillment for the award of the Degree of the Bachelor of Technology in Electrical & Electronics Engineering, Mahaveer Institute of Science and Technology, Hyderabad.

This bonafide work is carried out by

K. ADITHYAN

17E31A0213

At TSTRANSCO 132/33 KV Substation / Moosarambagh(Stn). Under the guidance of  
**SHRI T. SOWMYA/AE/OP/MOOSRAMBAGH.**

FOR 132/33KV SUBSTATION

SHRI T. SOWMYA

MENTOR NAME

FOR 132/33 KV SUBSTATION

SIGNATURE OF THE TRAINING I/C

Assistant Engineer  
M. AE/OP/MOOSARAMBAGH  
Moosarambagh, TSTRANSCO  
HYDERABAD-500 035

PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Banjara Hills, HYD-500 005



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### CERTIFICATE

This is to certify that the Mini Project work entitled "ROOF TOP SOLAR SYSTEM AND NETMETER TECHNOLOGIES" has been successfully carried out in the partial fulfilment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY.

This bonafide work is carried out by

CH. APARNA (17E31A0207)

At CPTI (Central Power training Institute of TSSPDCL/ Hyderabad), with reference to Letter. No. DE/CPTI/Hyderabad/Mini Projects/S. No:05/20, Date: 27.07.2020 under the guidance of Srf. G. SURESH BABU /AE/SAP/IT/TSSPDCL/HYD.

Place: Hyderabad

Date: 31/10/20

*as Rao*  
(Srf. A. Srinivas Rao)  
03/10/2021

Divisional Engineer/CPTI  
TSSPDCL, Hyderabad.



*K. Srinivas*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.

## DECLARATION

This is to certify that Mini Project work reported in the present thesis titled "Maintenance of 33/11KV Outdoor Substation" done by us in CENTRAL POWER TRAINING INSTITUTE (CPTI), HYDERABAD.

No part of the thesis is copied from books/journals/internet and where the portion is taken the same has been duly referred in the text. The reported work is based on the project work done entirely by us and not copied from the other source.

### SIGNATURE OF THE CANDIDATES

1. B. Hritikshona

The above bonafide students carried out mini project work and fulfilled project requirement and found satisfactory.

Date: 5/2/21



Signature of External Guide

Name: Sri. S. RAJU NAIK

Designation: A.D.E/CPTI/TSSPDCL



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MAHAVEER  
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Hindupet, Hyd-501505





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CERTIFICATE

This is to certify that the Mini Project work entitled "EARTHING AND GROUNDING PRACTICES" has been successfully carried out in the partial fulfilment for the award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, MAHAVEER INSTITUTE OF SCIENCE AND TECHNOLOGY.

This bonafide work is carried out by

SK. NAZEEM PASHA (17E31A0223)

At CPTI (Central Power training Institute of TSSPDCL/ Hyderabad), with reference to Letter. No. DE/CPTI/Hyderabad/Mini Projects/S. No:05/20, Date: 27.07.2020 under the guidance of Sri. S. RAJU NAIK /ADE/TRE/NORTH/SCADA/TSSPDCL/HYD.

Place: Hyderabad

Date: 30/01/2021



*A. Srinivas Rao*  
(Sri. A. Srinivas Rao)

Divisional Engineer/CPTI,  
TSSPDCL, Hyderabad.

*K. Mahaveer*  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Bandlaguda, Hyd-500 005.



# 132/33 KV SUBSTATION

MAHAVEER INSTITUTE OF  
SCIENCE AND TECHNOLOGY  
HYDERABAD

Place: Ghanpur (Stn)  
Date: 01-11-2020

## CERTIFICATE

This is to certify that the Mini Project work entitled "STUDY & MAINTENANCE OF 132/33 KV SUBSTATION" has been successfully carried out in the partial fulfillment for the award of the Degree of the Bachelor of Technology in **Electrical & Electronics Engineering, Mahaveer Institute of Science and Technology, Hyderabad.**

This benafide work is carried out by

K. L. SURESH KANTH 17E31A0315

At ISIRANSKO 132/33 KV Substation / Ghanpur(Stn) Under the guidance of **Sr. THOTA YUGANDHAR/AE/OP/GHANPUR(Stn).**

FOR 132/33KV SUBSTATION

Sr. THOTA YUGANDHAR

MENTOR NAME

FOR 132/33 KV SUBSTATION

SIGNATURE OF THE TRAINING I/C

Addl. Trng. Engineer  
Maint. T.S. IRANSKO  
132/33KV SS, Ghanpur

AE/OP/GHANPUR (STN)

PRINCIPAL  
MAHAVEER



To  
The Head of the Department,  
Electronics & Communication Engineering  
Mahaveer Institute of Science & Technology,  
Vyasa Puri, Chandrayangutta,  
Hyderabad, Telangana 500005.

## INTERNSHIP CERTIFICATE

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. AKHILA**, Roll Number – (17E31A0441), who is pursuing **Electronics & Communication Engineering**, Department at **Mahaveer Institute of Science & Technology** successfully completed her Internship program at **ConScience Technologies Pvt Limited** on **Smart waste collection monitoring and alert system** and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

**Duration: 05/10/2020 to 08/12/2020**

Yours truly,

(Project Manager)



  
PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
CHANDRAYANGUTTA, HYDERABAD 500005.





To  
The Head of the Department,  
Electronics & Communication Engineering,  
Mahaveer Institute of Science & Technology,  
Vyasa Puri, Chandrayangutta,  
Hyderabad, Telangana 500005.

## INTERNSHIP CERTIFICATE

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Mounika Yadav**, Roll Number - **(17E31A0407)**, who is pursuing **Electronics & Communication Engineering**, Department at **Mahaveer Institute of Science & Technology** successfully completed her Internship program at **ConScience Technologies Pvt Limited** on **Patient Health Monitoring System** and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

**Duration: 05/10/2020 to 08/12/2020**

Yours truly,

(Project Manager)



PRINCIPAL  
MAHAVEER  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Chandrayangutta, Hyderabad-500005

PANHYD/INT/ML/08081

To

The Head of the Department,  
Information Technology,  
Mahaveer Institute of Science & Technology,  
Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

**INTERNSHIP CERTIFICATE**  
**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr./Ms. Bharadwaj Ajith(17E31A1205) & Meka Srikrishna(17E31A1218)**, who is pursuing **Information Technology**, Department at **Mahaveer Institute of Science & Technology** she successfully completed her Internship program at; **Pantech Solutions Pvt Limited** on **Android Malware Detection Using Machine Learning** and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

**Duration: 18-01-2021 to 20-02-2021**

Yours truly,



**PRINCIPAL**  
**M. MAHAVEER**  
**INSTITUTE OF SCIENCE & TECHNOLOGY**  
Chandrayangutta, Hyderabad-500005.

PANHYD/INT/ML/08081

To

The Head of the Department,  
Information Technology,  
Mahaveer Institute of Science & Technology,  
Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

INTERNSHIP CERTIFICATE  
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr./Ms. M.Bhavyasri (17E31A1215) & P.Vidyadhar(17E31A1232)**, who is pursuing **Information Technology**, Department at **Mahaveer Institute of Science & Technology** she successfully completed her Internship program at **Pantech Solutions Pvt Limited** on **Loan Approval Prediction Using Machine Learning** and has submitted the report.

During the Internship program period, the candidate has shown keen interest, and commitment towards learning and her performance was good.

**Duration: 18-01-2021 to 20-02-2021**

Yours truly,

**Pantech Solutions**  
  
Srinivasa  
R.N.

(Branch Manager)

  
  
Pantech Solutions Pvt. Ltd.  
Hyderabad - 500 016



PANHYD/INT/ML/08081

To

The Head of the Department,  
Information Technology,  
Mahaveer Institute of Science & Technology,  
Vyasa Park, Chandrayangutta, Hyderabad, Telangana 500005.

**INTERNSHIP CERTIFICATE**  
**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr./Ms. K.Vineetha(17E31A1232) & K.Himabindu(17E31A1211)**, who is pursuing **Information Technology**, Department at **Mahaveer Institute of Science & Technology** she successfully completed her Internship program at **Pantech Solutions Pvt Limited on Design Of Intellegent Shopping Us.ag Ecommerce Trading** and has submitted the report.


During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

**Duration: 18-01-2021 to 20-02-2021**

Yours truly,


(Branch Manager)

  
**PRINCIPAL**  
Mahaveer Institute of Science & Technology  
Vyasa Park, Chandrayangutta, Hyderabad, Telangana 500005



PANHYD/INT/ML/08081

To

The Head of the Department,  
Information Technology,  
Mahaveer Institute of Science & Technology,  
Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

INTERNSHIP CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr./Ms. G.Shyamala(17E31A1209) & M.Akshitha(17E31A1217)**, who is pursuing **Information Technology**, Department at **Mahaveer Institute of Science & Technology** she successfully completed her Internship program at; **Pantech Solutions Pvt Limited** on **Real Time Object Detection Using Deep Learning And Python Model** and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

**Duration: 18-01-2021 to 20-02-2021**

Yours truly,





PANHYD/INT/ML/08081

To

The Head of the Department,  
Information Technology,  
Mahaveer Institute of Science & Technology,  
Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

**INTERNSHIP CERTIFICATE**

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr./Ms. Chintala Prashansha(17E31A1207) & Patha Saikiran(17E31A1227)**, who is pursuing **Information Technology**, Department at **Mahaveer Institute of Science & Technology** she successfully completed her Internship program at: **Pantech Solutions Pvt Limited on Software Fault Detection Using Machine Learning** and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

**Duration: 18-01-2021 to 20-02-2021**

Yours truly,



(Branch Manager)



PANHYD/INT/ML/08081

To

The Head of the Department,  
Information Technology,  
Mahaveer Institute of Science & Technology,  
Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

**INTERNSHIP CERTIFICATE**  
**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr./Ms. Lakshika Pareek(17E31A1213) & Ravutla Praneeth(17E31A1229)**, who is pursuing **Information Technology**, Department at **Mahaveer Institute of Science & Technology** she successfully completed her Internship program at **Pantech Solutions Pvt Limited** on **Regression Model Using Machine Learning** and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

**Duration: 18-01-2021 to 20-02-2021**

Yours truly,



(Branch Manager)



PANHYD/INT/ML/08081

To

The Head of the Department,

Information Technology,

Mahaveer Institute of Science & Technology,

Vyasa Puri, Chandrayangutta, Hyderabad, Telangana 500005.

**INTERNSHIP CERTIFICATE**

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr./Ms. S Navya(17E31A1230) & K Vinitha(17E31A1212)** who is pursuing **Information Technology**, Department at **Mahaveer Institute of Science & Technology** she successfully completed her Internship program at; **Pantech Solutions Pvt Limited** on **Text to speech Using Python** and has submitted the report.

During the Internship program period, the candidate has shown keen interest and commitment towards learning and her performance was good.

**Duration: 18-01-2021 to 20-02-2021**

Yours truly,


  
**PRINCIPAL**  
**MAHAVEER**  
**INSTITUTE OF SCIENCE & TECHNOLOGY**  
Vyasa Puri, Chandrayangutta, Hyderabad-500005