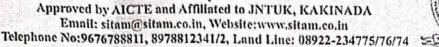


## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Gajularega, Vizianagaram, Andhra Pradesh, India-535002. Accredited by "NAAC"

Approved by AICTE and Affiliated to JNTUK, KAKINADA Email: sitam@sitam.co.in, Website:www.sitam.co.in



#### IV BTECH SEMESTER-II DEPARTMENT OF CIVIL ENGINEERING PROJECT WORK BATCHES

BATCH	ROLL NO	STUDENT NAME	GUIDE NAME	
Î	19B65A0106	GARUGU PURNA CHANDU		
	19B65A0107	GEDELA BHASKARA RAO	Mr. G GOUTHAM KUMAR 8	
	19B65A0121	YELURI DHANANJAY RAO	Mr. P SARATH	
I LONG	19B65A0101	ATTADA RAMBABU		
	18B61A0104	T.VENNELA KIRAN		
2	19B65A0105	EEGALA REVANTH	Smt. M BHARGAVI & Smt. K GAYATRI KIRAN	
	19B65A0109	KOLLI SOMANADH		
	19B65A0120	VEMALA HARI KRISHNA		
A District	18B61A0103	P.MANIKANTA NAIDU	Ms. V N S SINDHUJA & M	
3	19B65A0102	BAMMIDI SUMANTH		
	19B65A0103	BODDU PRASADU	B H S SAI PRASANTH	
	19B65A0114	REVALLA JITHENDRA KUMAR	J II J J II I I J J I I I I I I I I I I	
	18B61A0101	A.MOHAN		
4	19B65A0108	JAMPA NARASIMHA MURTHY	Mr. P SARATH &	
	19B65A0118	VALLAMSETTY TARUN TEJA SA	Mr. G GOUTHAM KUMAR	
	19B65A0119	VASUPALLI ANITHA	O GOOTHAW KUWAK	
	18B61A0102	N.ANUSHA	Estate de la companya del la companya de la company	
5	19B65A0104	DASARI NARAYANA RAO	Mr. B H S SAI PRASANTH	
	19B65A0115	SANAPATHI APPALANAIDU	- THOUSANTH	

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Principal Satya Institute of Technology and Management Vizianagaram

## SATYA INSTITUTE OF TECHNOLOGY&MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING



#### CERTIFICATE

his is to certify that the project entitled "AN EXPERIMENTAL STUDY ON INFLUENCE OF ACILLUS SUBTILIS BACTERIA IN CONCRETE" a Bonafide record of work done by LREVANTH(19B65A0105), T. VENNELAKIRAN(18B61A0104), V. HARIKRISHNA(19B65A0120), LSOMNADH(19B65A0109) Department of Civil Engineering, Satya Institute of Technology and lanagement, during the year 2018-22 in partial fulfilment of the requirements for the award of Bachelor f Technology by JNTUK

Irs. M. BHARGAVI ssistant professor

lepartment of civil engineering

ITAM

VIrs. K. GAYATRI KIRAN

Assistant Professor

Department of civil engineering

SITAM

Head-of the Department

Dr. G. RAVI KISHORE

Associate Professor

Department of civil engineering

SITAM

Principal

Satya Institute of Technology and Management

Vizianagaram

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING



This thesis entitled "AN EXPERIMENTAL STUDY ON INFLUENCE OF BACILLUS SUBTILIS BACTERIA IN CONCRETE " done by E. REVANTH (19B65A0105), T. VENNELA KIRAN (18B61A0104), V. HARI KRISHNA (19B65A0120), K. SOMANADH (19B65A0109), students of 2018-2022 batch in partial fulfillment of the requirement for the award of the degree of BATCHELOR OF TECHNOLOGY in Civil Engineering by SATYA INSTUTITE OF TECHNOLOGY AND MANAGEMENT has been approved.

**EXAMINERS:** 

Couptoi Kison.

\*\*ERNAL EXAMINER)

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oatya Institute of Technology and Management

Vizianagaram -

# SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING



## B. TECH THESIS EVALUATION REPORT

This thesis entitled "A STUDY ON UTILIZATION OF CONSTRUCTION AND DEMOLITION WASTE IN SOIL IMPROVEMENT" done by

P. MANIKANTA NAIDU (18B61A0103), B. SUMANTH (19B65A0102), B.PRASADU (19B65A0103), R. JITHENDRA KUMAR (19B65A0114), students of 2018-2022 batch in partial fulfilment of the requirement for the award of the degree of BATCHELOR OF ENGINEERING in Civil Engineering in SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT has been approved.

**EXAMINERS:** 

GUIDE)

(EXTERNAL EXAMINER)

B.H.S. & Rull

(CO- GUIDE)

(HEAD OF DEPARTMENT)

vatya Institute of Tochhology and Management
Vizianagaram

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING



#### CERTIFICATE

This is to certify that the project entitled "A STUDY ON UTILIZATION OF CONSTRUCTION AND DEMOLITION WASTE IN SOIL IMPROVEMENT" a . Bonafide record of work done by P.MANIKANTA NAIDU (18B61A0103), B. SUMANTH (19B65A0102), B.PRASADU (19B65A0103), R.JITHENDRA KUMAR (19B65A0114) Department of Civil Engineering, Satya Institute of Technology and Management, during the year 2018-22 in partial fulfillment of the requirements for the award of Bachelor of Technology by JNTUK

Guide Sindhujar Ms. V.N.S. SINDHUJA

Assistant professor

Department of civil engineering

SITAM

Head of the Department

Dr. G. RAVI KISHORE

Associate Professor

Department of civil engineering

SITAM

Guide. B. H.S Sai Ruth.

Mr. B.H.S SAI PRASANTH

Assistant professor

Department of civil engineering

SITAM

Satya Institute of Technology and Management

Vizianagaram

DEPARTMENT OF CIVIL ENGINEERING



#### **CERTIFICATE**

Certified that the thesis entitled "A PROJECT ON PLANNING, ANALYSIS AND DESIGN OF RESIDENTIAL(G+5) BUILDING" submitted by A.RAMBABU (19B65A0101), G. PURNA CHANDU (19B65A0106), G. BHASKARA RAO (19B65A0107), Y. DHANUNJAYA RAO (19B65A0121) of 2018 to 2022 batch in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING of SATYA Institute of Technology and Management, in B.Tech 4<sup>th</sup> year 2<sup>nd</sup> semester Civil Engineering is a record bonafide work carried out by them. These results embodied in this report have not been submitted to any other University for the award of any degree.

Place: Vizianagaram

Date:

, x , r Dr. G. Ravi Kishore,

Head of the Department.

Vizianagaram — Vizianagaram



## BACHELOR OF TECHNOLOGY PROJECT EVALUATION REPORT

his project entitled "A PROJECT ON PLANNING, ANALYSIS AND DESIGN OF ESIDENTIAL(G+5) BUILDING" submitted by A. RAMBABU (19B65A0101), G. PURNA HANDU (19B65A0106), G. BHASKARA RAO (19B65A0107), Y. DHANUNJAYARAO 19B65A0121) of 2018 to 2022 batch in partial fulfillment of the requirements for the award of egree of BACHELOR OF TECHNOLOGY in Civil engineering of SATYA INSTITUTE OF ECHNOLOGY AND MANAGEMENT, Gajularega, Vizianagaram-535003, has been approved.

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G. GOSTL KJ

G. GOUTHAM KUMAR,

ASSISTANT PROFESSORI

IP. SARATH,

V. Xusealy

ASSISTANT PROFESSORI

[DR.G. RAVI KISHORE]

Head of the Department. Civil Engineering.

Sarya histitute of Technology and Management Vizianagaram.



## BACHELOR OF TECHNOLOGY PROJECT EVALUATION REPORT

This project entitled "AN EXPERIMENTAL STUDY ON SELF-CURING ALKALI ACTIVATED SLAG CONCRETE" submitted by A.MOHAN (18B61A0101), J.N.MURTHY (19B65A0108), V. TARUN TEJA SAI (19B65A0118), V. ANITHA(19B65A0119) Of 2018 to 2022 batch in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in Civil engineering of Satya Institute of Technology and Management, Gajularega, Vizianagaram-535003, has been approved.

EXAMINERS:

LASST PROF. P. SARATHI

Sarya institute of Technology and Management
Viziarragaram

PROJECT GUIDE

PROJECT CO - GUIDE

EXTERNAL EXAMINER

[DR.G. RAVI KISHORE]

DEPARTMENT OF CIVIL ENGINEERING



#### **CERTIFICATE**

Certified that the thesis entitled "AN EXPERIMENTAL STUDY ON SELF-CURING ALKALI ACTIVATED SLAG CONCRETE" submitted by A.MOHAN (18B61A0101), J.N.MURTHY (19B65A0108), V.TARUNTEJA SAI (19B65A0118), V. ANITHA (19B65A0119) of 2018 to 2022 batch in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING of SATYA Institute of Technology and Management, in B.Tech 4<sup>th</sup> year 2<sup>nd</sup> semester Civil Engineering is a record bonafide work carried out by them. These results embodied in this report have not been submitted to any other University for the award of any degree.

Place: Vizianagaram

Date:

Dr. G. Ravi Kishore,

Head of the Department.

Principal
Satya Institute of Technology and Management
Vizianagaram



(NAAC Accredited, Approved by AlCTE, New Delhi, Permanently Affiliated to JNTUK, Kakinada)Gajularega, Vizianagaram-535003

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NO.	REG NO.	PROJECT BATCHES A.Y: 2021-22 NAME OF THE STUDENT	NAME OF GUIDE	
	18B61A0206	LOPINTI VIJAYA MARY GRACE		
	19B65A0207	GURAVANA APARNA		
	18B61A0204	HARI HEMANTH KUMAR	Dr. Y Narendra Kumar	
1	18B61A0208	PUVVALA CHAKRAVARTHY		
	19B65A0208	KALLURI YOGESWARA RAO		
	19B65A0201	BULUSU RAMANAMURTHY		
	18B61A0207	MADHURI BEHARA		
Ž.	18B61A0203	HARI GANESH	Mr. Y SANTHOSH	
2	19B65A0205	GANTA ELIZABETH RATNA		
	19B65A0212	MATHABOYINA VENKATA LAKSHMI		
	19B65A0203	DASARI DHANANJAYA RAO		
	18B61A0210	UDDAGIRI PRUDHVI RAJ		
- 1	19B65A0209	KOCHARLA SIVAJYOTHI	Mr. G T NAIDU	
3	19B65A0206	GEDDA SAI KUMAR		
	18B61A0202	GAVIDI ANANTHARAM		
	18B61A0205	KATTAMURI HARI VENKATANARAYANA	With the second second	
	18B61A0209	SIRIPURAPU AJAY		
	19B65A0215	THOLAPU KRISHNAVENI	April 1	
	19B65A0202	CHILLA APPALA VENKATA SAI		
4	19B65A0211	MANTRI ARAVIND	Mrs M SWATHI	
	18B61A0201	BOTHSA RAMA VENKATA APPALANAIDU		
		The second of th	March Box 19 Control of the State of the Sta	

SIGNATURE OF PROJECT CO-ORDINATOR

Principal tute of Technology and Management Vizianagaram

19B65A0204

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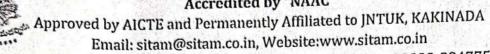
**GADI MURALI** 

SIGNATURE OF HOD

Head of the Department
\*Dept. of Electrical & Electronics Engineering
Satya Institute of Technology & Management
Gajularega - 535002

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Gajularega, Vizianagaram, Andhra Pradesh, India-535002. Accredited by "NAAC"



Telephone No:9676788811, 8978812341/2, Land Line: 08922-234775



## DEPARTMENT OF ELCTRICAL AND ELECTRONICS ENGINEERING

FINAL PROJECT REVIEWS FOR BATCH 2018-22

#### CIRCULAR

Date: 28-05-2022

All students of final year Electrical and Electronics Engineering are hereby informed that first project review will be conducted on 28-05-2022 from 02:00 PM onwards as per the schedule attached below. The time allocated for each batch is about 30 minutes and their respective guide must also present at the time of presentation. Send your documents and PPT's to sitam4theee@sitam.co.in.

I request all faculty to be present at all times of the presentation. Please make them prepared for the Review.

In case of any queries please feel free to contact me.

TIME	BATCH NO
02.00 PM	Batch I
02.30 PM	Batch 2
03.00 PM	Batch 3
03.30 PM	Batch 4

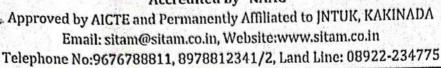
Head of the Department Dept. of Electrical & Electronics Engineers Satya Institute of Technology & Manage

Gajularega - 535002

Lastitute of Technology and Management Vizianagaram

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Gajularega, Vizianagaram, Andhra Pradesh, India-535002. Accredited by "NAAC"





### DEPARTMENT OF ELCTRICAL AND ELECTRONICS ENGINEERING

#### SECOND PROJECT REVIEWS FOR BATCH 2018-22

#### CIRCULAR

Date: 26-04-2022

All students of final year Electrical and Electronics Engineering are hereby informed that first project review will be conducted on 26-04-2022 from 02:00 PM onwards as per the schedule attached below. The time allocated for each batch is about 30 minutes and their respective guide must also present at the time of presentation. Send your documents and PPT's to sitam4theee@sitam.co.in.

I request all faculty to be present at all times of the presentation. Please make them prepared for the Review.

In case of any queries please feel free to contact me.

	On 26-	04-2022
TIME		BATCH NO
02.00 PM		Batch 1
02.30 PM		Batch 2
03.00 PM		Batch 3
03.30 PM		Batch 4

Head of the Department

apt. of Electrical & Electronics Engineering Julya Institute of Technology & Management

Gajularega - 535002

, a Institute of Technology and Management Vizianagaram

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Gajularega, Vizianagaram, Andhra Pradesh, India-535002.

#### Accredited by "NAAC"

Approved by AICTE and Permanently Affiliated to JNTUK, KAKINADA Email: sitam@sitam.co.in, Website:www.sitam.co.in Telephone No:9676788811, 8978812341/2, Land Line: 08922-234775



#### DEPARTMENT OF ELCTRICAL AND ELECTRONICS ENGINEERING

#### FIRST PROJECT REVIEWS FOR BATCH 2018-22

#### CIRCULAR

Date: 17-03-2022

Signature of HOL Head of the Department Dept. of Electrical & Electronics Engineering Satya Institute of Technology & Management Gpjularega - 535002

All students of final year Electrical and Electronics Engineering are hereby informed that first project review will be conducted on 17-03-2022 from 02:00 PM onwards as per the schedule attached below. The time allocated for each batch is about 30 minutes and their respective guide must also present at the time of presentation. Send your documents and PPT's to sitam4theee@sitam.co.in.

I request all faculty to be present at all times of the presentation. Please make them prepared for the Review.

In case of any queries please feel free to contact me.

TIME	A CHARLEST COLUMN	BATCH NO
· IIME		Aller Against princes that
02.00 PM		Batch 1
22 22 DV		Batch 2
02.30 PM		Control of the Contro
03.00 PM		Batch 3
	A STANDARD PROBLEMS	Batch 4

Principal

Institute of Technology and Management

Vizianagaram

# SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



#### CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF BUCK-BOOST CONVERTER FOR EXTRACTING MAXIMUM POWER FROM PV SYSTEM USING PERTURB AND OBSERVE METHOD" is a bonafide record of work done by MADHURI BEHARA, HARI GANESH, GANTA ELIZABETH, MATABOIYANA VENKATA LAKSHMI, DASARI DHANANJAI Department of EEE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfillment of the requirements for the award of Bachelor of Technology by JNTUK.

Internal Guide

Mr. Y. SANTHOSH, M. Tech(Ph.D)

Assistant Professor

Department of EEE

SITAM

Head of the Department

Mr. Y. SANTHOSH, M. Tech(Ph.D)

Plead of the Department
Dept. Assistant Profession Engineering
Satya Institute of Technology & Management
Department of EEE

SITAM

SPOC, IOA Signature of External Examiner

VIZIANO NOME OF HOLA

Satya Institute of Technology and Management Vizianagaram

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



#### CERTIFICATE

This is to certify that the project report entitled "LASER LIGHT SECURITY SYSTEM" is a bonafide record of work done by LOPINTI VIJAYA MARY GRACE, GURAVANA APARNA, HARI HEMANTH KUMAR, BULUSU RAMANA MURTHY. **PUVVALA** CHAKRAVARTHY, KALLURI YOGESWARA RAO Department of EEE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfilment of the requirements for the award of Bachelor of Technology by JNTUK.

Internal Guide

Dr Y.NARENDRA KUMAR

M.Tech, Ph.D, M.I.E, M.I.S.T.E

Professor Department of EEE SITAM

Head of the partment

> Head of the Department Mr. Y. SANTOSH M. Tech (Ph. DDept. of Electrical & Electronics Engir Satya Institute of Technology & Mana Gajularega - 535002

Assistant Professor Department of EEE SITAM

External Examiner

'astitute of Technology and Management Vizianagaram



# SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTUK

Kakinada) GAJULAREGA, VIZIANAGARAM-535001



#### CERTIFICATE

This is to certify that the Project work entitled "A Bidirectional Resonant DC-DC Converter for Electrical Vehicle Charging/Discharging Systems" has been carried out by

S.AJAY	18B61A0209
T.KRISHNAVENI	19B65A0215
CH.A.VENKATA SAI	19B65A0202
G.MURALI	19B65A0202
M.ARAVIND	19B65A0204
B.R.V.A.NAIDU	
A STATE OF THE PARTY OF THE PAR	18B61A0201

Under my Guidance in partial fulfillment of the requirements for the Award of the Degree of Bachelorof Technology in Electrical and Electronics Engineering of Jawaharlal Nehru Technological University, Kakinada during the Academic year 2021-22.

Y.SAN POSH M.TECH

Head of the Department

Electrical and Electronics

Engineering SITAM

Appt. of Electrical & Electronics Engineering Satya Institute of Technology & Management Gajularega - 535002

Mrs.M.SWATHI M.E,(Ph.D)

Assistant professor

Electrical and Electronics

Engineering SITAM

SPOC IOAC VIZIAN SEGA

Principal
Satya Institute of Technology and Management
Vizian agaram

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## CERTIFICATE

This is to Certify that the Project entitled "HAND GESTURE CONTROLLED WHEEL CHAIR" is a bonafide record of work done by U.PRUDHVI RAJ, K.SIVA JYOTHI, G.SAIKUMAR, G.ANANTH RAM, K.HARIVENKATA NARAYANA Department of EEE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfilment of the requirements for the award of Bachelor of Technology by JNTUK.

Mr.G.TIRUPATI NAIDU, M.E.(Ph.D)

Assistant Professor

Department of EEE

SITAM

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the department Head of

Y.SANTHOSH KUMAR M.Tech,(Ph.D)

Mos Department & Electionics Engineering Institute of Technology & Managernant SatySatya Institute of Tenger E555002 email SITAM

Satya Institute of Technology and Management



## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Gajularega, Vizianagaram, Andhra Pradesh, India-535002.

Accredited by "NAAC"

Approved by AICTE and Affiliated to JNTUK, KAKINADA Email: sitam@sitam.co.in, Website:www.sitam.co.in Telephone No:9676788811, 8978812341/2, Land Line: 08922-234775/76/74



### DEPARTMENT OF MECHANICAL ENGINEERING

IV B.TECH II SEM AY 2021-22 PROJECT BATCHES

BATCH	2018-22 BATCI REG.NO	NAME OF THE STUDENT	TITLE OF THE PROJECT	NAME OF THE SUPERVISOR
1	18B61A0310	P. SAI KRISHNA		M. JAYA PRAKASH
	18B61A0304	G. ANISH	EXPERIMENTAL INVESTIGATION OF	
	19B65A0318	LACHIREDDI JAYA RAM	BAMBOO FIBER AND E-GLASS FIBER REINFORCES HYBRID COMPOSITE WITH	
	18B65A0312	B. PAVAN KUMAR	TiO2 FILLER MATERIAL	
	19B65A0317	KOYYANA KUSHAL		
	19B65A0311	K VARUN SAI KUMAR		G. SURYA CHANDRA SWAMY
	19B65A0312	K. RAKESH		
2	18B61A0316	VEGI VIGNESH	MINI HYDRO-ELECTRIC POWER PLANT USING SCREW TURBINE SYSTEM	
	19B65A0322	MOPADA HARISH	OSING SCREW TORBINE STSTEM	
	18B61A0313	SIRAVURI SAI		
3	19B65A0324	NAKKA DURGA PRASAD		S. PRASANTH
	19B65A0304	B RAMACHANDRA LOKESH	DESIGN AND FABRICATION OF	
	18B61A0312	SARIKA RAMBABU	MECHANICAL AND SOLAR DRIVEN AGRICULTURE SPRAYER	
	19B65A0325	P BHARATH KALYAN		
	19B65A0323	N NARASIMHAMURTHY		N. MURALI KRISHNA
	19B65A0301	A CHANDRA SEKHAR RAO		
4	19B65A0305	B MUKHESH KUMAR	SEA WATER DESALINATION USING SOLAR POWERED RO&UV PURIFIER.	
	19B65A0316	KODUTHULA RAJESH		
	19B65A0332	SANAPATHI MAHESH		
	18B61A0308	NAKKA VAMSI BABU		CH.V.M.PRASAE
	18B61A0317	YADLA LOKESH	FARRICA MICA CONTROL OF THE CONTROL	
5	19B65A0315	KILAPARTHI NAVEEN	FABRICATION OF MULTIPURPOSE AGRICULTURAL ROBOT WITH BATTERY	
	18B61A0305	GORLE GANESH	VOLTAGE MONITORING SYSTEM	
	16B61A0319	M. SAI RAGHURAM		

SPOC, IQAC SITAM, GAJULAREGA VIZIANAGARAMIA.P., INCIA

80 NO Satya Institute of Technology and Management Principal Vizianagaram

	18B61A0319	BONU MOULI		CH. VENKATA LAKSHMI
6	18B61A0302	G SAI VARMA	FABRICATION OF LOW COST PORTABLE MECHANICAL VENTILATOR	
	18B61A0314	SURISETTY SURENDRA		
	19B65A0335	TOMPALA DILIP		
	18B61A0318	KORADA SAIKUMAR		K.E. JAGADISH
	19B65A0307	BODDU KAMESWARARAO	TO STEE OVER CONTROL OF THE CONTROL	
7	18B61A0315	T V S S V RAMA RAJU	FABRICATION OF LOW COST OXYGEN CONCENTRATOR	
	19B65A0337	S CHANDRA SEKHAR		
	17B65A0346	L. BHARGAV NAIDU		
S	19B65A0303	B BHANUPRAKASH	ENHANCEMENT OF THERMAL	D. CHAITANYA
	19B65A0319	LENKA PAVAN KUMAR	PERFORMANCE OF SOLAR DRIER BY ATTACHING RECTANGULAR FINS AND HEAT STORAGE UNIT	
	19B65A0309	GOGADA APPARAO		
	17135A0317	B. DEVARAJ SAI KUMAR		
	19B65A0306	BHOGAPURAPU SATISH		Dr. P. SHREENIVASA RAO
•	19B65A0334	SANCHANA PRASAD	AUTOMATED VACUUM CLEANER WITH	
9	19B65A0328	RETTANGI RAJESH	DUST COLLECTOR	
	19B65A0330	SABBAVARAPU SATHEESH		
el a	18B61A0307	MEESALA RAVI KUMAR		M. JAYA PRAKASH
	19B65A0310	I S V DILIP KUMAR	EXPERIMENTAL INVESTIGATION ON CARBON AND JUTE FIBRE REINFORCED	
10	18B61A0306	KARTHU HARINADH	HYBRID COMPOSITE WITH SIC FILLER	
	18B61A0303	GAVARA JYOTHI PRAKASH	MATERIAL	
	19B65A0329	RONGALI DILEEP	The state of the s	

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Principal
Satya Institute of Technology and Management
Vizian agaram

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001



#### CERTIFICATE

This is to certify that the Project work entitled "EXPERIMENTAL INVESTIGATION ON BAMBOO AND E-GLASS REINFORCED HYBRID COMPOSITE WITH TiO2 FILLER MATERIAL" has been carried out by

P. SAIKRISHNA	18B61A0310
G. ANISH	18B61A0304
K. KUSHAL	19B65A0317
L. JAYARAM	19B65A0318
B. PAVAN KUMAR	18B65A0312

Under my Guidance in partial fulfillment of the requirements for the Award of the Degree of Bachelor of Technology in Mechanical Engineering of Jawaharlal Nehru Technological University, Kakinada during the Academic year 2021-22.

Mr. M JAYA PRAKASH, M.Tech.

Assistant professor

Mechanical Department

**GVP-SITAM** 

Vizianagaram.

Smt.CH. V.LAKSHMI M.Tech,(Ph.D)

Head of the Department

Mechanical Department

**GVP-SITAM** 

Viziannga fan

Principal Satya Institute of Technology and Management Vizianagaram

VIZIANAGARAM, A.P., INDIA



(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001

Department of Mechanical Engineering



#### PROJECT EVALUATION REPORT

This is to certify that the project report entitled "EXPERIMENTAL INVESTIGATION ON BAMBOO AND E-GLASS REINFORCED HYBRID COMPOSITE WITH TiO, FILLER MATERIAL" is a bonafied work carried out by P. SAIKRISHNA bearing Regd. No. 18B61A0310, G. ANISH bearing Regd. No. 18B61A0304, K. KUSHAL bearing Regd. No.19B65A0317, L. JAYARAM bearing Regd. No. 19B65A0318, B. PAVAN KUMAR bearing Regd. No. 18B65A0312. In partial fulfillment for the award of BACHELOR OF MECHANICAL ENGINEERING for the 2018-2022 batch has been approved by SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT.

INTERNAL EXAMINER

**EXTERNAL EXAMINER** 

Date:

Place: VIZIANAGARAM

(Accredited by NAAC, Approved by AICTE, Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001



#### CERTIFICATE

This is to certify that the Project work entitled "DESIGN AND FABRICATION OF MINI HYDRO-ELECTRIC POWER PLANT USING SCREW TURBINE SYSTEM" has been carried out by

K. VARUN SAI KUMAR	19B65A0311
M.HARISH	19B65A0322
V.VIGNESH	18B61A0316
S. SAI	18B61A0313
K. RAKESH	19B65A0312

Under my Guidance in partial fulfillment of the requirements for the Award of the Degree of Bachelor of Technology in Mechanical Engineering of Jawaharlal Nehru Technological University, Kakinada during the Academic year 2021-22.

(Smt. CH. VENKATA LAKSHMI)

Head of the Department

Dept. of Mechanical Engineering

SITAM

(Mr. G. SURYA CHANDRA SWAMY)

Assistant professor

Dept. of Mechanical Engineering

SITAM

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Principal
Satya Institute of Technology and Management
Vizianagaram

(Accredited by NAAC, Approved by AICTE, Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001

Department of Mechanical Engineering



## PROJECT EVALUATION REPORT

This is to certify that the project report entitled "DESIGN AND FABRICATION OF MINI HYDRO-ELECTRIC POWER PLANT USING SCREW TURBINE SYSTEM" is a bonafide work carried out by K. VARUN SAI KUMAR bearing Regd. No 19B65A0311, M. HARISH bearing Regd. No. 19B65A0322, V. VIGNESH bearing Regd. No.18B61A0316, S. SAI bearing Regd. No. 18B61A0313, K. RAKESH bearing Regd. No 19B65A0312. In partial fulfillment for the award of BACHELOR OF MECHANICAL ENGINEERING for the 2018-2022 batch has been approved by SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT.

INTERNAL EXAMINER

**EXTERNAL EXAMINER** 

Date:

Place: VIZIANAGARAM

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (NAAC Accredited, Approved by AICTE, Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001.

#### DEPARTMENT OF MECHANICAL ENGINEERING



#### CERTIFICATE

This is to certify that the project work entitled "SEA WATER DESALINATION USING SOLAR POWERED RO&UV PURIFIER" is a bonafide work carried out by

N.NARASIMHAMURTHY (19B65A0323)

A.CHANDRASEKHARRAO (19B65A0301)

K.RAJESH

(19B65A0316)

S.MAHESH

(19B65A0332)

**B.MUKHESH KUMAR** 

(19B65A0305)

Under my Guidance In partial fulfilment of the requirement for the award of BACHELOR OF MECHANICAL ENGINEERING. The project report has been approved as it satisfies the academic recruitments in respect of project work prescribed for the mentioned degree during the academic year 2021-2022.

Mr.N.MURALI KRISHNA M. Tech (Ph.D).

Assistant Professor,

Dept. of Mechanical Department,

GVP-SITAM,

Vizianagaram.

Smt.CH.V.LAKSHMI M.Techiph D

Head of the Department,

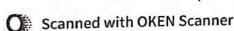
Dept. of Mechanical Department,

GVP-SITAM,

Vizianagaram

outya institute of Technology and Management Vizianagaram

SITAM, GAJULAREGA VIZIANAGARAM, A.P., INDIA



(NAAC Accredited, Approved by AICTE, Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001.



### PROJECT EVALUATION REPORT

This is to certify that the project work entitled "SEA WATER DESALINATION USING SOLAR POWERED RO&UV PURIFIER" is a bonafide work carried out by N.NARASIMHA MURTHY (19B65A0322), A.CHANDRASEKHAR RAO (19B65A0301), K.RAJESH (19B65A0316), S.MAHESH (19B65A0332) and B.MUKHESH KUMAR (19B65A0305), In partial fulfilment for the award of BACHELOR OF MECHANICAL ENGINEERING. The project report has been approved as it satisfies the academic recruitments in respect of project work prescribed for the mentioned degree during the academic year 2018-2022.

Cadarel

Mr.N.MURALI KRISHNA M.Tech (Ph.D).

Assistant Professor,
Dept. of Mechanical Department,
GVP-SITAM,
Vizianagaram.

Smt.CH.V.LAKSHMI M.Tech(Ph.D)

Head of the Department,
Dept. of Mechanical Department,
GVP-SITAM.

Vizianagaram.

INTERNAL EXAMINER

EXTERNAL EXAMINER

Date:

Place: VIZIANAGARAM

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001



#### CERTIFICATE

This is to certify that the Project work entitled "FABRICATION OF MULTIPURPOSE AGRICULTURAL ROBOT WITH A BATTERY MONITORING SYSTEM" has been carried out by

N. VAMSIBABU 18B61A0308

G. GANESH 18B61A0305

Y. LOKESH 18B61A0317

K. NAVEEN 19B65A0315

M. RAGHURAM 16B61A0319

Under my Guidance in partial fulfillment of the requirements for the Award of the Degree of Bachelor of Technology in Mechanical Engineering of Jawaharlal Nehru Technological

University, Kakinada during the Academic year 2021-22.

(Mr. CH.V.M. PRASAD)

Asst.professor

Dept. of Mechanical Engineering

VIZIANAGARAMI, A.P., IIILIA

SITAM

(Smt.CH. VENKATA LAKSHMI)

Head of the department

Dept. of Mechanical Engineering

SITAM

DNI - DNI -

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001

DEPARTMENT OF MECHANICAL ENGINEERING



## PROJECT EVALUATION REPORT

This is to certify that the project report entitled "FABRICATION OF MULTIPURPOSE AGRICULTURE ROBOT WITH A BATTERY MONITORING SYSTEM" is a bonafied work carried out by N. Vamsibabu bearing Regd. No. 18B61A0308, G. Ganesh bearing Regd. No. 18B61A0305, Y. LOKESH bearing Regd. No. 18B61A0317, K. Naveen bearing Regd. No. 19B65A0315, M. Raghuram bearing Regd. No. 16B61A0319. In partial fulfillment for the award of BACHELOR OF MECHANICAL ENGINEERING for the 2018-2022 batch has been approved by SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT.

INTERNAL EXAMINER

EXTERNAL EXAMINER

Date: Place:

Vizianagaram.

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001



### CERTIFICATE

This is to certify that the Project work entitled "FABRICATION OF LOW-COST PORTABLE MECHANICAL VENTILATOR" has been carried out by

	18B61A0319
B MOULI	18B61A0314
S SURENDRA	18B61A0302
G SAI VARMA	19B65A0335
Т DПLЕЕР	19803/40222

Under my Guidance in partial fulfillment of the requirements for the Award of the Degree of Bachelor of Technology in Mechanical Engineering of Jawaharlal Nehru Technological University, Kakinada during the Academic year 2021-22.

(Smt. CH. VENKATA LAKSHMI)

Head of the Department

Dept. of Mechanical Engineering

VIZIANAGARAN, A.P., INCIA

SITAM

VENKATA LAKSHMI)

Head of the Department

Dept. of Mechanical Engineering

SITAM

Principal

Satyo Institute of Technology and Management Vizianagaram \_

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001

Department of Mechanical Engineering



## PROJECT EVALUATION REPORT

This is to certify that the project report entitled "FABRICATION OF LOW-COST PORTABLE MECHANICAL VENTILATOR" is a bonafied work carried out by B. MOULI bearing Regd. No 18B61A0319, S. SURENDRA bearing Regd. No. 18B61A0314, G.SAI VARMA bearing Regd. No.18B61A0302, T. DILEEP bearing Regd. No. 19B65A0335. In partial fulfillment for the award of BACHELOR OF MECHANICAL ENGINEERING for the 2018-2022 batch has been approved by SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT.

INTERNAL EXAMINER

EXTERNAL EXAMINER

Date:

Place: VIZIANAGARAM

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU, Kakinada) GAJULAREGA, VIZIANAGARAM-535001



#### CERTIFICATE

This is to certify that the Project work entitled "FABRICATION OF LOW COST OXYGEN CONCENTRATOR" has been carried out by

TZ CLYYTTE	
K. SAI KUMAR	18B61A0318
B. KAMESWARA RAO	19B65A0307
T.V.S.S.V. RAMA RAJU	18B61A0315
S. CHANDRASEKHAR RAO	19B65A0337
	I)DUJAUJJ /

Under my Guidance in partial fulfillment of the requirements for the Award of the Degree of Bachelor of Technology in Mechanical Engineering of Jawaharlal Nehru Technological University, Kakinada during the Academic year 2021-22.

Asst. Professor Dept. of Mechanical Engineering SITAM

Smt.Ch. Venkata Lakshmi M.Tech, (Ph.D)

Head of the Department Dept. of Mechanical Engineering SITAM

Principal Satya Institute of Technology and Management Vizianagaram



(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU, Kakinada)
GAJULAREGA, VIZIANAGARAM-535001

Department of Mechanical Engineering



## PROJECT EVALUATION REPORT

This is to certify that the project report entitled "FABRICATION OF LOW COST OXYGEN CONCENTRATOR" is a bonafied work carried out by K. SAI KUMAR bearing Regd. No. 18B61A0318, B. KAMESWARA RAO bearing Regd. No. 19B65A0307, T.V.S.S.V. RAMA RAJU bearing Regd. No.18B61A0315, S. CHANDRASEKHAR RAO bearing Regd. No. 19B65A0337. In partial fulfillment for the award of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING for the 2018-2022 batch has been approved by SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT.

INTERNAL EXAMINER

EXTERNAL EXAMINER

Date.

Place: VIZIANAGARAM

(Under the management of GAYATHRI VIDYAPARISHAD, VISAKHAPATNAM) Recognized by JNTU KAKINADA UNIVERSITY GAJULAREGA, VIZIANAGARAM - 535 002.

DEPARTMENT OF MECHANICAL ENGINEERING



#### CERTIFICATE

This is to certify that the project work entitled "ENHANCEMENT OF THERMAL PERFORMANCE OF SOLAR DRIER BY ATTACHING RECTANGULAR FINS AND HEAT STORAGE UNIT" is a bonafide work carried out by B. BHANU PRAKASH Regd.No.19B65A0303, L.PAVAN KUMAR Regd.No.19B65A0319, R. DEVARAJ SAI Regd.No. 19B65A0309 In partial KUMAR Regd.No.17135A0317 and G. APPARAO fulfillment for the award of BACHELOR OF MECHANICAL ENGINEERING. The project report has been approved as it satisfies the academic recruitments in respect of project work prescribed for the mentioned degree during the academic year 2019-2022.

Mr. CHAIPANYA DOSAPATI∮M.Tech

Assistant Professor

Mechanical Department

MIZIANAGARAN, A.P., INDIA

GVP-SITAM

Vizianagaram.

Smt.CH. V. LAKSHMI M.Tech,(Ph.D)

Head of the Department

Mechanical Department

**GVP-SITAM** 

Vizianagaram.

Satya Institute of Technology and Management Vizianagaram

ii

(Under the management of GAYATHRI VIDYAPARISHAD, VISAKHAPATNAM)

Recognized by JNTU KAKINADA UNIVERSITY

GAJULAREGA, VIZIANAGARAM - 535 002.

DEPARTMENT OF MECHANICAL ENGINEERING



#### CERTIFICATE

This is to certify that the project work entitled "ENHANCEMENT OF THERMAL PERFORMANCE OF SOLAR DRIER BY ATTACHING RECTANGULAR FINS AND HEAT STORAGE UNIT" is a bonafide work carried out by B. BHANU PRAKASH Regd.No.19B65A0303, L.PAVAN KUMAR Regd.No.19B65A0319, R. DEVARAJ SAI KUMAR Regd.No.17135A0317 and G. APPARAO Regd.No. 19B65A0309 In partial fulfillment for the award of BACHELOR OF MECHANICAL ENGINEERING. For the 2019-2022 batch has been approved by SATYA INSTITUE OF TECHNOLOGY & MANAGEMENT

INTERNAL EXAMINER

EXTERNAL EXAMINER

Date:

Place: VIZIANAGARAM

(adad)

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001



#### CERTIFICATE

This is to certify that the Project work entitled "AUTOMATIC VACCUM CLEANER WITH DUST COLLECTOR" has been carried out by

B.SATISH

19B65A0306

S.PRASAD

19B65A0334

R.RAJESH

19B65A0328

Under my Guidance in partial fulfillment of the requirements for the Award of the Degree of Bachelor of Technology in Mechanical Engineering of Jawaharlal Nehru Technological University, Kakinada during the Academic year 2021-22.

Dr. P. SHREENIVASA RAO

Associate professor

Dept. of Mechanical Engineering

SITAM

VENKATA LAKSHMI

Head of the Department

Dept. of Mechanical Engineering

SITAM

SPOC, IOAC SITAM GAJULAREGA VIZIANAGARAM, A.P., INDIA

Sprya Institute of Technology and Management Vizianagaram

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (NAAC Accredited, Approved by AICTE, Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001



## PROJECT EVALUATION REPORT

This is to certify that the project work entitled "AUTOMATED VACUUM CLEANER WITH DUST COLLECTOR" is a Bonafied work carried out by B. SATISH bearing Regd no. (19B65A0306), S. PRASAD bearing Regd no. (19B65A0334), R. RAJESH bearing Regd no. (19B65A0328), in partial fulfillment for the award of BACHELOR OF MECHANICAL ENGINEERING. The project report has been approved as it satisfies the academic recruitment in respect of project work prescribed for the mentioned degree during the academic year2018-2022 batch has approved by SATYA INSTITUTE OF TECHNOLOGY

Dr. P.SHREENIVASA RAO, PhD

Associate professor

Department of Mechanical Engineering

SITAM

cler

Date:

PLACE: VIZIANAGARAM

ENKATA LAKSHMI, PhD

Head of the Department

Department of Mechanical Engineering

SITAM

EXTERNAL EXAMINER

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)

GAJULAREGA, VIZIANAGARAM-535001

Department of Mechanical Engineering



#### PROJECT EVALUATION REPORT

This is to certify that the project report entitled "EXPERIMENTAL INVESTIGATION ON CARBON AND JUTE FIBRE REINFORCED HYBRID COMPOSITE WITH (Sic)FILLER MATERIAL" is a bonafied work carried out by M. RAVI KUMAR bearing Regd. No 18B61A0307, G. JYOTHI PRAKASH bearing Regd. No. 18B61A0303, K. HARINADH bearing Regd. No.18B61A0306, R.DILEEP bearing Regd. No. 19B65A0329, I.S.V.DILIP KUMAR Regd. No 19B65A0310. In partial fulfillment for the award of BACHELOR OF MECHANICAL ENGINEERING for the 2018-2022 batch has been approved by SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT.

INTERNAL EXAMINER

EXTERNAL EXAMINER

Date:

Place: VIZIANAGARAM

SPOC, IQAG

SITAM, GALULAREGA VIZIANAGANAM, A.P., INDIA Principal
Satya Institute of Technology and Management
Vizianagaram

IK, KAKINADA

# SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(NAAC Accredited, Approved by AICTE, Permanently Affiliated to JNTU Kakinada)
GAJULAREGA, VIZIANAGARAM-535001



#### CERTIFICATE

This is to certify that the Project work entitled "EXPERIMENTAL INVESTIGATION ON CARBON AND JUTE FIBRE REINFORCED HYBRID COMPOSITE WITH (SiC)FILLER MATERIAL" has been carried out by

M. RAVI KUMAR	18B61A0307
G. JYOTHI PRAKASH	18B61A0303
K. HARINADH	18B61A0306
R. DILEEP	19B65A0329
I. S.V. DILIP KUMAR	19B65A0310

Under my Guidance in partial fulfillment of the requirements for the Award of the Degree of Bachelor of Technology in Mechanical Engineering of Jawaharlal Nehru Technological University, Kakinada during the Academic year 2021-22.

(Mr. M. JAYA PRAKASH)

Assistant professor

Dept. of Mechanical Engineering

SITAM

alast

(Smt. CH. VENKATA LAKSHMI)

Head of the Department

Dept. of Mechanical Engineering

SITAM

### SITAM

# SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Gajularega, Vizianagaram, Andhra Pradesh, India-535002.

Accredited by "NAAC"

Approved by AICTE and Affiliated to JNTUK, KAKINADA

Email: sitam@sitam.co.in, Website:www.sitam.co.in

Telephone No:9676788811, 8978812341/2, Land Line: 08922-234775

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B.NO	Regd No 18B61A0408	NAME	DATE:11-03-2022 Project Guide	C:
		KARRI LAKSHMANA	110ject Guide	K.lakshmana
1	19B65A0401	JESSICA		Jenica.
	18B61A0407	KAGITHA PADMA SRI	M SRINIVASA RAO	127-10
-	18B61A0418	P.NAGA SATWIK		K. Podma Svi
	18B61A0416	MUNAGAVALASA VINEETHA KUMARI		P. Nasa satuit
2	19B65A0402	KURADA HYMAVATHI		M. Kineetha kum K. Hyma vathi
	18B61A0415	MAREDI PRIYANKA VENKAT RAO	K HARI KRISHNA	N <sub>2</sub>
e de la companya de l	18B61A0425	THONANGI VAMSI MOHAN		m. friyanka.
3	18B61A0410	KOMMURU SIRI CHANDANA		T. Marian
	18B61A0411	KORADA SIREESHA		Kisiri chandan
	18B61A0424	TEEGELA SWATHI	D.SRINIVASA RAO	K. Siveeslia
	18B61A0409	KATTAMURI SAI KUMAR		T. Sworth
4	18B61A0404	GADI YOGITHA	+	K.Sai
	18B61A0422	SIDDABATTULA LOKESH .		G. yogitha
	18B61A0413	LENKA PUSHPALATHA	A VENKATESWARA RAO	S. J. Flesh
	18B61A0401	BOGUROTHU CHANDINI		Litarralache
	18B61A0402	BONGU SASIDHAR REDDY		B.chadla?
5	18B6]A0412	KOTTAKOTA BHAGYA LAKSHMI		B Sasidlar Reldy
	18B61A0420	POTNURU TARUN	Dr. T.D.V.A NAIDU	K. Bhogyalakihi
	18B61A0419	PINISETTI KOUSHIK RAJ MANIKANTA		P. Tarun.
1	18B61A0427	VANGAPANDU MOUNIKA		PKausik
5 1	8B61A0414	MADDI DEEPAK		Y. Hounika.
	9B65A0403	SHAIK JAAFAR	V.N SIREESHA	M.Deepak
	8B61A0405	GAVIDI TARUN KUMAR	The second of the second	Shaik Tagar
10	8B61A0403	EMANDI VENKATA LALITHA KUMARI		(n. Tarun Ku
	8B61A0421	ROUTHU DIVYA	-	E.Y. alithakuma
20	8B61A0406		V.SIRISIIA	R. Divya
500	8B61A0426	GUDISETLA MAHESH		Gr. makesh
1	N. 5	VAJRAPU PRASANTH	1	V. Drawnt

SPOC, 1040 SITAM, GALL REGA VIZIANAGARAS A- INCIA

Satya Institute of Technology and Management Vizianagaram -

### OBSTACLE NAVIGATION AND DETECTION SYSTEM

A project report submitted in partial fulfilment of the requirements for the award of degree of

Bachelor of Technology

Submitted

By

K.LAKSHMANA (18B61A0408) JESSICA (19B65A0401) K.PADMA SRI (18B61A0407) P.NAGA SATWIK (18B61A0418)

Under the esteemed guidance of Mr.M.SRINIVASA RAO, M.Tech

Associate Professor



#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT

(Affiliated To JNTUK, Kakinada)

Gajularega (post), Vizianagaram (Dist), Andhra Pradesh (state).

2018-22.

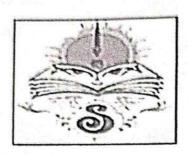
SPOC

SITAL

D Principal

Satya Institute of Technology and Management

## SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



#### CERTIFICATE

This is to certify that the Project entitled "OBSTACLE NAVIGATION AND DETECTION SYSTEM" is a bonafide record of work done by K.LAKSHMANA, JESSICA, K.PADMA SRI and P.NAGA SATWIK, Department of ECE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfillment of the requirements for the award of Bachelor of Technology by JNTUK.

Associate Professor

Mr. M. SRINIVASA RAO M.Tech

Department of ECE

SITAM

Head of the department

Dr.T.D.V.A NAIDU

Professor

Department of ECE

SITAM

GAJULAREGA LANAGARASI, A.P., INDIA Satya Institute of Technology and Management

## SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



#### CERTIFICATE

This is to Certify that the Project entitled "IoT BASED GARBAGE MONITORING SYSTEM" is a bonafide record od work done by M.VINEETHA KUMARI, M.PRIYANKA, KHYMAVATHI, T.VAMSI MOHAN Department of ECE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfilment of the requirements for the award of Bachelor of Technology by JNTUK.

ternal Guide

Head of the department

r.K.HARIKRISHNA, M. Tech.

Dr.T.D.V.A. NAIDU, M.Tech, Ph.D.

sistant Professor

Associate Professor

partment of ECE

Department of ECE

SITAM

SITAM

Satya Institute of Technology and Management

Page ii

# REAL TIME DROWSINESS DETECTION

#### FOR

### **HUMAN SAFETY**

A project report submitted in partial fulfilment of the requirements for the award of degree of

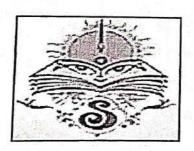
Bachelor of Technology

#### Submitted

By

K. SIRI CHANDANA (18B61A0410) K.SIREESHA (18B61A0411) T.SWATHI (18B61A0424) K.SAI KUMAR (18B61A0409)

Under the esteemed guidance of Mr.D. SRINIVASA RAO M.Tech
Assistant Professor



# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT

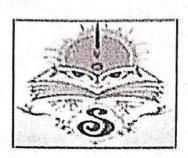
(Affiliated To JNTUK, Kakinada)

Gajularega (post), Vizianagaram (Dist), Andhra Pradesh (state).

SPOC, 10AC 2018-22.

SITAM GAJULAREGA VIZIANAGARAM, A.P., INDIA Vizianagaram Vizianagaram

### SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



### CERTIFICATE

This is to certify that the Project entitled "REAL TIME DROWSINESS DETECTION FOR HUMAN SAFETY" is a bonafide record of work done by K.SIRI CHANDANA, K.SIREESHA, T.SWATHI and K.SAI KUMAR Department of ECE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfillment of the requirements for the Award of Bachelor of Technology by JNTUK.

LEG

Internal Guide

Mr.D. SRINIVASA RAO M.Tech

Assistant Professor

Department of ECE

SITAM

Head of the department

Mr.T.D.V.A NAIDU M.Tech, Ph.D

Professor & HOD

Department of ECE

SITAM

T.D.V.A. NOIOU Head of the Department ext. el Electronico con Camenarication Engineera Satys Institute of Technology and Management Vertenegarem \$3500:

External Examiner

SPOC, IOAC SITAM, GAJULAREGA

VIZIANAGARAM, A.P., INDIA

Mos Service of Lectinology and Management Vizianagaram

# RF BASED ATTENDANCE AND RANDOMIZED SITTING ARRANGEMENT

A project report submitted in partial fulfillment of the requirements for the award

of degree of

Bachelor of Technology

Submitted

By

G.YOGITHA (18B61A0404)

S.LOKESH (18B61A0422)

L.PUSHPALATHA (18B61A0413)

B.CHANDINI(18B61A0401)

Under the esteemed guidance of Mr.A.VENKATESWARA RAO

Assistant Professor



# DEPARTMENT OF ELCTRONICS AND COMMUNICATION ENGINEERING

## SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT

(Affiliated To JNTUK, Kakinada)

Gajularega (post), Vizianagaram (Dist), Andhra Pradesh (state).

2018-22

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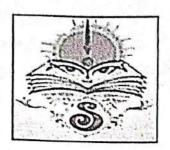
VOI 'DOAS

Principal

Batya Institute of Technology and Management

Vizianagaram

### SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT DEPARTMENT OF ELECTRONICS AND COMMUNICATION **ENGINEERING**



### **CERTIFICATE**

This is to certify that the Project entitled "RF BASED ATTENDANCE AND RANDOMIZED SITTING SYSTEM" is a bonafide record of work done by G.YOGITHA, S.LOKESH, L.PUSHPALATHA and B.CHANDINI Department of ECE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfillment of the requirements for the award of Bachelor of Technology by JNTUK.

ternal Guide

Mr.A.VENKATESWARA RAO

Assistant Professor

Department of ECE

SITAM

Head of the department

Dr. T.D.V.A NAIDU

Professor

Department of ECE

SITAM

I.D. V.A. NOICH Head of the Doppriment apt. of Electronics and Constitution linguisation

Satyr Institute of Technology and Management Virlanagaram-53500

incipal e of Technology and Management izianagaram

VIZIANA GARANI, A.P., INDIA

# GAS LEAKAGE DETECTION USING INSECT ROBOT

A project report submitted in partial fulfilment of the requirements for the award of degree of

#### **Bachelor of Technology**

Submitted

By

B. SASIDHAR REDDY (18B61A0402)

K. BHAGYA LAKSHMI (18B61A0412)

P. TARUN (18B61A0420)

P. KOUSHIK RAJ MANIKANTA (18B61A0419)

Under the esteemed guidance of Dr.T.D.V.A. Naidu, M. Tech PhD

Professor & HOD



SPOC, IQAC SITAM, GAJULAREGA VIZIANAGARALI, A.P. INDIA

Principal
Principal
Principal
Vizianagaram

RI

### SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT DEPARTMENT OF ELECTRONICS AND COMMUNICATION **ENGINEERING**



#### CERTIFICATE

This is to certify that the Project entitled "GAS LEAKAGE DETECTION USING INSECT ROBOT" is a bonafide record of work done by B. SASIDHAR REDDY, K. BHAGYALAKSHMI, P. TARUN, P. KOUSHIK RAJ MANIKANTA Department of ECE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfilment of the requirements for the award of Bachelor of Technology by JNTUK.

Internal Guide

Dr.T.D.V.A. NAIDU M.Tech, Ph.D

Professor & HOD

Department of ECE

SITAM

Head of the department

Dr.T.D.V.A. NAIDU M.Tech PhD

Professor & HOD

Department of ECE

SITAM

T.D.V.A. NOIGU Hereo of the Department

Setya Institute of Technology and

Managarant Virlanagaran-Kakon

External Examiner

The mounte of Technology and Management

### BIOMETRIC VOTING SYSTEM

A project report submitted in partial fulfillment of the requirements for the award of degree of

**Bachelor of Technology** Submitted By

V. MOUNIKA (18B61A0427)

M. DEEPAK (18B61A0414)

S JAAFAR (19B65A0403)

G. TARUN KUMAR (18B61A0405)

Under the esteemed guidance of Mrs.V.N.SIREESHA, M.Tech **Assistant Professor** 



# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT

(Affiliated To JNTUK, Kakinada)

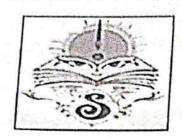
Gajularega (post), Vizianagaram (Dist), Andhra Pradesh (state). 2018-22.

Principal

Satya Institute of Technology and Management

DO NOS

### SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



### **CERTIFICATE**

This is to certify that the Project entitled "BIOMETRIC VOTING MACHINE" is a bonafide record of work done V.MOUNIKA, M.DEEPAK, S.JAAFAR and G.TARUN KUMAR Department of ECE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfillment of the requirements for the award of Bachelor of Technology by JNTUK.

Mrs. V.N. SIREESHA M. Tech

Assistant Professor,

Department of ECE

SITAM

Head of the department

Dr.T.D.V.A NAIDU

Associate Professor, HOD

Department of HO

**External Examiner** 

B-Ney

Satya Institute of Technology and Management Vizianagaram

## INDOOR HYDROPONIC FARMING USING IOT FOR CHAMBER 2 LAYER

A project report submitted in partial fulfillment of the requirements for the awardof degree of

**Bachelor of Technology** 

#### Submitted

By

E.V.LALITHA KUMARI (18B61A0403)

R.DIVYA (18B61A0421)

G.MAHESH (18B61A0406)

V.PRASANTH (18B61A0426)

Under the esteemed guidance of
Mrs. V. SIRISHA
Assistant Professor



# DEPARTMENT OF ELCTRONICS AND COMMUNICATION ENGINEERING

### SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT

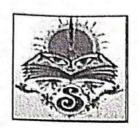
(Affiliated To JNTUK, Kakinada)

Gajularega (post), Vizianagaram (Dist), Andhra Pradesh (state).

2018-22

SPOC, IOAC SITAM, GAJULAREGA VIZIANAGAMU, A.P., INSIA Satya Institute of Technology and Management Vizianagaram

# SATYA INSTITUTE OF TECHNOLOGY& MANAGEMENT DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



#### **CERTIFICATE**

This is to certify that the Project entitled "INDOOR HYDROPONIC FARMING USING IOT FOR CHAMBER 2 LAYER" is a bonafide record of work done by E.V.LALITHA KUMARI, R.DIVYA, G.MAHESH and V.PARASANTH Department of ECE, Satya Institute of Technology and Management, during the year 2018-2022 in partial fulfillment of the requirements for the award of Bachelor of Technology by JNTUK.

Internal Guide

**V.SIRISHA** 

Assistant Professor

Department of ECE

SITAM

Head of the department

Dr. T.D.V.A NAIDU

Professor

Department of ECE

F.D. V.A. MAIOU:
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Comments of Technology and

External Examiner

Selva Institute of Technology and Management Vizianagaram

SPOC, IQAC SITAIA GAJULAREGA





#### SATVA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Gajularega, Vizianagaram, Andhra Pradesh, India-535002. Accredited by "NAAC"

Approved by AICTE and Affillated to JNTUK, KAKINADA Email: sitam@sitam.co.in, Website;www.sitam.co.in Telephone No:9676788811, 8978812341/2, Land Line: 08922-234775/76/74



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S.No.	Regd.No.	Student Name	Batch	Title	Faculty Name	
1	18B61A0503	A.Purnima	1	Human Pose Estimation Using	-	
2	18861A0502	A.Srivani		1	DNN Algorithm	References to
3	18B61A0501	A.Balamani			Mr.M.Madhu Babu	
4	18B61A0504	B.Nikhil				
5	18B61A0525	N.Sailaja		Multi-Lesion Segmentation of		
6	18861A0516	K. Sai Dìvya	1	Diabetic Retinopathy Using		
7	18B61A0526	N. Vishal	2	Deep Learning	Mrs.R.Swetha	
8	18B61A0527	P.Mahesh Babu				
9	18B61A0537	Shivani Chowdary		Movie Recommendation Using		
10	18B61A0507	B.Kalyan		Machine Learning		
11	18B61A0542	V.Gnanavathi	3		Mrs.M.Sai Vasanth	
12	18B61A0541	U.Venkata Rambai	On Migroria			
13	18B61A0512	D.Saritha Lakshmi	and the	Flask Based Face Recognition		
14	18B61A0509	Ch. Jyothsna	Ji de libe	System for Attendance	Carrier Co.	
15	18B61A0529	P. Someswari	4	1.7%	Mr.G.Sridhar	
16	18B61A0511	Ch Siddhartha	2 180			
17	18B61A0523	M. Monika		An Internet of Things (IOT)-		
18	18B61A0514	J. Sailakshmi	List is	Based and Machine Learning-		
19	18B61A0520	L. Anil	5	Based Intrusion Detection	Mr.K.Y. Krishna	
20	18B61A0524	M.P.Venkata Sowmya	1 2 2 2	System	deren in the same of	
21	18B61A0539	S.Gowrishankar		Secure Image Transfer Using		
22	18B61A0536	Salapaka Prasanthi	1	SMTP	evi prej fiji fi ej i	
23	18B61A0505	B.GayatriHarshitha	6		Mr.D.Avinash	
24	19B65A0501	P.Divya Swaroopini		A STATE OF		
25	18B61A0528	P. Dheeraj		Vehicle Number Plate	17 Y . 40 - 87 187	
26	18B61A0544	Yellapu Praveen	7	Recognition and search using	M. V.D.	
27	18B61A0532	Pinninti Gayatri	7	OCR	Mr.Y.Dinesh	
28	17B61A0526	R Swathi	1			
29	18B61A0522	M.Manasa	1-1-	Detecting the COVID-19 from X-		
30	18B61A0521	Majji Gayatri	8	Rays by using Deep Learning	Man T Counthai	
31	18B61A0513	Dheeraj Gakkampudi	•		Mrs.I.Gayathri	
32	18B61A0519	Kota Sai		194		
33	18B61A0531	P. Saranya		Secure Data Transmission over		
34	18B61A0517	K Madhavi		Internet Using Image		
35	18B61A0508	Borapureddy Murali	9	Steganography	Mr.T.Anji Kumar	
36	18B61A0538	Silla Kartheek	and the		and the second second	

PROJECT COORDINATOR

R. Bangari

SPOC, IOAC VIZIANACAMAN AIR INCIA

Satya Institute of Technology and Management Vizianayaram

HEAD OF THE DEPARTMENT

#### SITAM



#### SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Gajularega, Vizianagaram, Andhra Pradesh, India-535002. Accredited by "NAAC"

Approved by AICTE and Affiliated to JNTUK, KAKINADA Email: sitam@sitam.co.in, Website:www.sitam.co.in Telephone No:9676788811, 8978812341/2, Land Line: 08922-234775/76/74



### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### FIRST PROJECT REVIEW FOR BATCH 2018-22

#### CIRCULAR

Date: 20-04-2022

All students of final year CSE are hereby informed that first project review will be conducted on 30-04-2022 from 10AM onwards as per the schedule attached below. This will be conducted through Google Meet. And the link is provided below. The time allocated for each batch is about 15 minutes and their respective guide must also present at the time of presentation. Send your documents and PPT's to <a href="mailto:sitam4thcse@sitam.co.in">sitam4thcse@sitam.co.in</a>.

I request all faculty to be present at all times of the presentation. Please make them prepared for the review.

In case of any queries please feel free to contact me.

Please join the meeting with the link: http://bit.ly/CSE-04-SITAM

30-04-2022	
TIME	BATCH
10:00AM	Batch 1
10:15AM	Batch 2
10:30AM	Batch 3
10:45 AM	Batch 4
11:00 AM	Batch 5
11:15 AM	Batch 6
11:30 AM	Batch 7
11:45 AM	Batch 8
12:00 PM	Batch 9

R. Bangari PROJECT COORDINATOR

HEAD OF THE DEPARTMENT

IOAC Sat

Satya Institute of Technology and Management

Vizianagaram

VIZIANACATAS A.P. III.A





#### SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Gajularega, Vizianagaram, Andhra Pradesh, India-535002. Accredited by "NAAC"

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### SECOND PROJECT REVIEW FOR BATCH 2018-22

#### CIRCULAR

Date: 10-05-2022

All students of final year CSE are hereby informed that second project review will be conducted on 20-05-2022 from 10AM onwards as per the schedule attached below. This will be conducted through Google Meet. And the link is provided below. The time allocated for each batch is about 15 minutes and their respective guide must also present at the time of presentation. Send your documents and PPT's to <a href="mailto:sitam4thcse@sitam.co.in">sitam4thcse@sitam.co.in</a>.

I request all faculty to be present at all times of the presentation. Please make them prepared for the review.

In case of any queries please feel free to contact me.

Please join the meeting with the link: http://bit.ly/CSE-04-SITAM

20-05-2022	
TIME	ВАТСН
10:00AM	
10:15AM	Batch 1
10:30AM	Batch 2
	Batch 3
10:45 AM	Batch 4
11:00 AM	
11:15 AM	Batch 5
11:30 AM	Batch 6
	Batch 7
11:45 AM	Ratch 8
12:00 PM	Batch 9

R-Bangari PROJECT COORDINATOR

HEAD OF THE DEPARTMENT

SPOC, LOAC SIT. ... G CLL YS GA VIZIAN-SONOS MAP IILIA

Satya Institute of Technology and Management

Vizianagaram

#### SITAM



#### SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Gajularega, Vizianagaram, Andhra Pradesh, India-535002. Accredited by "NAAC"

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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### THIRD PROJECT REVIEW FOR BATCH 2018-22

#### CIRCULAR

Date: 30-05-2022

All students of final year CSE are hereby informed that third project review will be conducted on 10-06-2022 from 10AM onwards as per the schedule attached below. This will be conducted through Google Meet. And the link is provided below. The time allocated for each batch is about 15 minutes and their respective guide must also present at the time of presentation. Send your documents and PPT's to sitam4thcse@sitam.co.in.

I request all faculty to be present at all times of the presentation. Please make them prepared for the review.

In case of any queries please feel free to contact me.

Please join the meeting with the link: http://bit.ly/CSE-04-SITAM

10-06-2022	
TIME	BATCH
10:00AM	Batch 1
10:15AM	Batch 2
10:30AM	Batch 3
10:45 AM	Batch 4
11:00 AM	Batch 5
11:15 AM	Batch 6
11:30 AM	Batch 7
11:45 AM	Batch 8
12:00 PM	Batch 9

R. Bangari PROJECT COORDINATOR

HEAD OF THE DEPARTMENT

VIZIANAGA AAN ACIDALIA

Principal

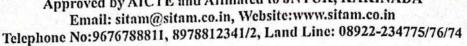
Satya Institute of Technology and Management

#### SITAM



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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### PROJECT VIVA VOCE EXAM FOR BATCH 2018-22

#### CIRCULAR

Date: 20-06-2022

All students of final year CSE are hereby informed that Project Viva Voce Exam will be conducted on 27-06-2022 from 10AM onwards as per the schedule attached below. This will be conducted through Google Meet. And the link is provided below. The time allocated for each batch is about 15 minutes and their respective guide must also present at the time of presentation. Send your documents and PPT's to sitam4thcse@sitam.co.in.

I request all faculty to be present at all times of the presentation. Please make them prepared for the review.

In case of any queries please feel free to contact me.

Please join the meeting with the link: http://bit.ly/CSE-04-SITAM

27-06-2022	
TIME	BATCH
10:00AM	Batch 1
10:15AM	Batch 2
10:30AM	Batch 3
10:45 AM	Batch 4
11:00 AM	Batch 5
11:15 AM	Batch 6
11:30 AM	Batch 7
11:45 AM	Batch 8
12:00 PM	Batch 9

R. Banoperi PROJECT COORDINATOR

Satya Institute of Technology and Management Vizianagaram



#### SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada Gajnlarega, Vizlanagaram, Andhra Pradesh, PIN:535002



#### CERTIFICATE

This is to certify that the project report entitled "HUMAN POSE ESTIMATION USING DNN ALGORITHM" submitted by A. PURNIMA(18B61A0503)[1], A. SRIVANI(18B61A0502)[2], A. BALAMANI(18B61A0501)[3], B.NIKHIL (18B61A0504)[4], in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Science and Engineering from Satya Institute of Technology And Management is a record of bonafide work carried out by them under my guidance and supervision during the year 2021-2022.

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

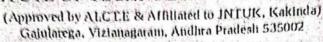
Internal Guide

Mr. M. MADHU BABU(M. Tech) DR.I. S. SIVA RAO (44: Tech, Ph.D)

Assistant Professor

Head of the Department

**Professor** 





# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CERTIFICATE

This is to certify that the project report entitled "MULTI-LESION SEGMENTATION OF DIABETIC RETINOPATHY USING DEEP LEARNING" submitted by N.SAILAJA (18B61A0525) [1], K.SAI DIVYA (18B61A0516)[2], N.VISHAL

(18B61A0526) [3], P.D.MAHESH BABU (18B61A0527) [4], in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Science and Engineering from Satya Institute of Technology And Management is a record of bonafide work carried out by them under my guidance and supervision during the year 2021-2022.

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

Internal Guide

Head of the Department

DR. I.S. SIVA RAO (M. Tech, Ph.D)

MRS. R.SWETHA

Assistant Professor

Professor



Approved by AICTE, New Delhl and Affiliated to JNTUK, Kakinada Gajularega, Vizianagaram, Andhra Pradesh, PIN:535002



#### CERTIFICATE

This is to certify that the project report entitled "MOVIE RECOMMENDATION USING MACHINE LEARNING" submitted by SHIVANI CHOWDHARY (18B61A0537) [1], B. KALYAN (18B61A0507) [2], V. GNANAVATHI (18B61A0542) [3], U. VENKATA RAMBAI (18B61A0541) [4], in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Science and Engineering from Satya Institute of Technology And Management is a record of bonafide work carried out by them under my guidance and supervision during the year 2021-2022.

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

Internal Guide

RS.M.SAI VASANTHI, M.Tech

Assistant Professor

Head of the Department

DR.I.S.SIVA RAO (M.Tech, Ph.D)

Professor



Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada Gajularega, Vizianagaram, Andhra Pradesh, PIN:535002



### CERTIFICATE

This is to certify that the project report entitled "FLASK BASED FACE RECOGNITION SYSTEM FOR ATTENDENCE" submitted by D.SARITHA LAKSHMI (18B61A0512) [1], P.SOMESWARI (18B61A0529) [2], CH.JYOTHSNA (18B61A0509) [3], CH.SIDDHARTHA (18B61A00511) [4], in partial fulfilment for the award of Degree of Bachelor of Technology in Computer Science and Engineering from Satya Institute of Technology And Management is a record of Bonafede work carried out by them under my guidance and supervision during the year 2021-2022.

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

Internal Guide

MR. G. SRIDHAR (M. Tech)

Assistant Professor

Head of the Department

DR.I. S. SIVA RAO (M. Tech, Ph.D.)

Professor

Signature of External Examiner

NNOS



Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakihada Gajularega, Vizlanagaram, Andhra Pradesh, PIN:535002



#### CERTIFICATE

This is to certify that the project report entitled "AN INTERNET OF THINGS (IoT)-BASED AND MACHINE LEARNING-BASED INTRUSION DETECTION SYSTEM" submitted by M. MONIKA (18B61A0523) [1], J. SAI LAKSHVII (18B61A0514) [2], M. PYDI VENKATA SOWMYA (18B61A0524) [3], L. ANIL KUMAR (18B61A0520) [4], in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Science and Engineering from Satya Institute of Technology And Management is a record of bonafide work carried out by them under my guidance and supervision during the year 2021-2022.

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Internal Guide

MR. K. Yashoda Krishna(M. Tech, Ph. D)

Head of the Department

DR. I. S. SIVA RAO (M. Tech, Ph. D)

(Assistant Professor of CSE Dept)

Professor



Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada Gajularega, Vizianagarani, Audhra Pradesh, PIN: 535002



#### CERTIFICATE

This is to certify that the project report entitled "SECURE IMAGE TRANSFER USING SMTP" submitted by S.GOWRI SHANKAR (18B61A0539), S.PRASANTHI (18B61A0536), B.GAYATRI (18B61A0505), S. DIVYA SWAROOPINI (18B65A0501), in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Science and Engineering from Satya Institute of Technology And Management is a record of bonafide work carried out by them under my guidance and supervision during the year 2021-2022.

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

Internal Guide

MR.D.AVINASH BABU, M.Tech

Assistant Professor

Head of the Bepartment

DR. I.S.SIVA RAO (M.Tech, Ph.D.)

Associate Professor

Signature of External Examiner

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TO NOVE



### SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada Gajularega, Vizianagaram, Andhra Pradesh, PIN:535002



### CERTIFICATE

This is to certify that the project report entitled "VEHICLE NUMBER PLATE RECOGNITION AND SEARCH USING OCR" submitted by P. DHEERAJ (18B61A0528) [1], R. SWATHI (17B61A0526) [2], Y. PRAVEEN (18B61A0544) [3] P. GAYATRI (18B61A0532) [4], in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Scihjkence and Engineering from Satya Institute of Technology And Management is a record of bonafide work carried out by them under my guidance and supervision during the year 2021-2022.

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

Internal Guide

Head of the pepartment

MR. Y. DINESH KUMAR

Assistant Professor

DR. I. S. SIVA RAO (M.Tech, Ph.D)

Professor



Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada Gajularega, Vizianagaram, Andhra Pradesh, PIN:535002



## CERTIFICATE

This is to certify that the project report entitled "DETECTING THE COVID-19 FROM X-RAYS BY USING DEEP LEARNING" submitted by M.MANASA (18B61A0522) [1], M.GAYATHRI (18B61A0521) [2], G.DHEERAJ (18B61A0513) [3], K.SAI (18B61A00519) [4], in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Science and Engineering from Satya Institute of Technology And Management is a record of bonafide work carried out by them under my guidance and supervision during the year 2021-2022.

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

Mrs. L. GAYATHRI (M.Tech)

Assistant Professor

Head of the Department

Dr. I. S. SIVA RAO (M. Tech, Ph.D)

Professor



### SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada Gajulavega, Vizlanngaram, Andhra Pradesh, PIN:535002



### CERTIFICATE

This is to certify that the project report entitled "SECURE DATA TRANSMISSION OVER INTERNET USING IMAGE STEGANOGRAPHY" submitted by P. SARANYA (18B61A0531) [1], K. MADHAVI (18B61A0517) [2], K. KUNDANA (18B61A0518) [3], B. MURALI (18B61A0508) [4], S. KARTHEEK (18B61A0538) [5] in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Science and Engineering from Satya Institute of Technology And Management is a record of bonafide work carried out by them under my guidance and supervision during the year 2021-2022.

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

T. Anjstusmon
Internal Guide

Head of the Department

MR. T. ANJI KUMAR(M.Tech)

DR. I. S. SIVA RAO (M. Tech, Ph.D)

Professor

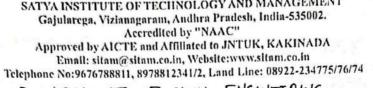
Assistant Professor

Signature of External Examiner

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#### SITAM







#### DEPARTMENT OF CIVIL ENGINEERING IV B.Tech SEMESTER-I (2021-22)

#### INTERNSHIP

S.NO	ROLL NO	STUDENT NAME
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4	18B61A0104	T.VENNELA KIRAN
5	19B65A0101	ATTADA RAMBABU
6	19B65A0102	BAMMIDI SUMANTH
7	19B65A0103	BODDU PRASADU
8	19B65A0104	DASARI NARAYANA RAO
9	19B65A0105	EEGALA REVANTH
10	19B65A0106	GARUGU PURNA CHANDU
11	19B65A0107	GEDELA BHASKARA RAO
12	19B65A0108	JAMPA NARASIMHA MURTHY
13	19B65A0109	KOLLI SOMANADH
14	19B65A0114	REVALLA JITHENDRA KUMAR
15	19B65A0115	SANAPATHI APPALANAIDU
16	19B65A0118	VALLAMSETTY TARUN TEJA SAI
17	19B65A0119	VASUPALLI ANITHA ·
18	19B65A0120	VEMALA HARI KRISHNA
19	19B65A0121	YELURI DHANANJAY RAO

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#### SRI SAI HARSHITHA PLANNERS (Architects & Engineers)

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Date: -22-09-2021.

#### EXPERIENCE CERTIFICATE

This Is to Certify That Ms. BODDU PRASADU, Has been working in our firm as a Site Engineer, from 1<sup>St</sup> September 2021 To 20<sup>Th</sup> September 2021 in my office, His work is satisfactory and conduct is Good.

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(ARCHITECTS & ENGINEERS)

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Date:-22-09-2021.

### EXPERIENCE CERTIFICATE

This Is to Certify That Ms. PENTA MANIKANTA NAIDU. Has been working in our firm as a Site Engineer, from 1<sup>St</sup> September 2021 To 20<sup>Th</sup> September 2021 in my office, His work is satisfactory and conduct is Good.

Sr Sal Harshitha Planners (ARCHITECTS & ENGINEERS) Dians, Estimations, Constructions Variations & Surveying Office Opp. I.D.B.I Bank Padduvari Street, Viziania For Sri Sai Harshitha Constructions

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Date:-22-09-2021

### EXPERIENCE CERTIFICATE

This Is to Certify That Ms. REVALLA JITHENDRA KUMAR. Has been working in our firm as a Site Engineer, from 1st September 2021 10 20th September 2021 in my office, His work is satisfactory and conduct is Good.

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(ARCHITECTS & ENGINEERS)

Valuations & Surveying Office Opp. I.D.B.I Bank

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Date: -22-09-2021.

#### EXPERIENCE CERTIFICATE

This Is to Certify That Ms. BAMMIDI SUMANTH, Has been working in our firm as a Site Engineer, from 1<sup>St</sup> September 2021 To 20<sup>Th</sup> September 2021 in my office, His work is satisfactory and conduct is Good.

ARCHIECTS & ENGMEERS)

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Valuations & Surveying

Office Opp. 1.D.B.I Bank

Induvari Street, VIZIANAGA'

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For SRI SAI HARSHITHA PLANNERS

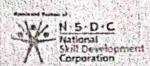
Er. I. Adinarayana, D.C.E. (B. Tech),
(Managing Director)

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Principal
Lutya Institute of Technology and Management
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Computer Education Division
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Visakhapatnam, Andhra Pradesh - 530 016
Ph. 0891-2717916 / 2505653





DI - 12th Aug 2022.

## Certificate of Summer Internship

We certify that Mr. LANDA HARISH student of B.Tech 3<sup>rd</sup> Year. Mechanical Ingineering (MECH), Bearing H.I. No. 20B65A6317 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (Aweeks) as a part of 3<sup>rd</sup> Year. 2<sup>rd</sup> semester.

During the Solidworks Training he learnt the tollowing

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chahansa Boomakanti. (Centre Manager)

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Di = 1214 Aug 2022

### Certificate of Summer Internship

We certify that Mr. MADDU VASU student of B.Tech 3<sup>rd</sup> Year. Mechanical implineering (MECH), Bearing FLT No. 20065A0318 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>rd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
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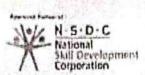
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Computer Education Division

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### Certificate of Summer Internship

We certify that Mr. MAJJI SAI KUMAR student of B. Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0319 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
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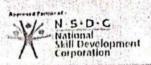
SPOCIOAC SITUATION OF THE STATE Krishna Chatanya Bommalcanti. (Centre Manager)

> Name of Technology and Management Vizignageram

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Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. MATHAM SHANMUKHA RAO student of B. Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0320 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2nd semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

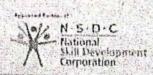
Krishna Challanya Bommakanti. (Centre Manager)

Layo hishtole of Technology and Management

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### Certificate of Summer Internship

We certify that Mr. MEESALA ROHIT KUMAR student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0321 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly +
- 5. Drafting
- 6. Sheet Metal

Krishna Okaitanya Bommakanti. (Centre Manager)

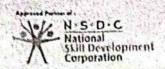
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### Certificate of Summer Internship

We certify that Mr. PADAM ANAND KUMAR student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T.No: 20B65A0322 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chaitanya Bommakanti. (Centre Manager)

A Distriction of Aconholony and Management Vizianagaram

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### Certificate of Summer Internship

We certify that Mr. PODILAPU HARISH student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T.No: 20B65A0324 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

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Krishna Chaitanya Bommakanti.
(Centre-Manager)

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### Certificate of Summer Internship

We certify that Mr. PRAGADA SURYA PRAKASH student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0326 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishita Chaitanya Bommakanti.

Cates Inchitate of Technology and Management

Corporate Office: 9-14-1, Flat No.: 301 & 302, 2nd Floor, Kotu Empire, VIP Road, CBM Compound, Stripuram, Visakhapatnam - 530 003, Andhra Pradesh, India. Ph.: 0891-2507227, 2707227

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DI - 12 Aug 2022,

### Certificate of Summer Internship

We certify that Mr. REDDI RAMANA BABU student of B.Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No. 20B65A0327 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2nd semester,

During the Solidworks Training he learnt the following:

- I. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chudunya, Bemmakanti, (Centre Manager)

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### Certificate of Summer Internship

We certify that Mr. REDDY KIRAN KUMAR student of B.Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No: 201365A0328 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2rd semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Kriftha Chatailya Bommakanti. (Centre Manager)

Carra Institute of Lacinglant and Managamen Vizienagaram

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Di - 12 h Aug 2022.

### Certificate of Summer Internship

We certify that Mr. VADDADI KRISHNA CHAITANYA student of B. Tech 3td Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0329 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2nd semester.

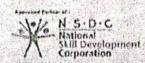
During the Solidworks Training he learnt the following:

- 1. Sketcher
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Krishna Chaitanya Bommakanti. (Centre Manager)

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### Certificate of Summer Internship

We certify that Mr. VAVILAPALLI HEMA SUNDAR student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T.No: 20B65A0330 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
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- 3. Surface Design
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- 5. Drafting
- 6. Sheet Metal

Krishna Chaitañya Bommakanti. (Contre Manager)

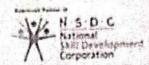
i Vizianagaram

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Dt = 126 Aug 2022.

### Certificate of Summer Internship

We certify that Mr. YAMALA VAMSEE KRISHNA student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T.No. 20B65A0331 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>rd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
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- 6. Sheet Metal

Krishua Challanya Hommakanti. (Centre Manager)

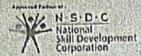
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Vizianagaram

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Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. PALLA BHIMA RAJU student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T.No. 20B65A0332 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chartanya Dommakanti. (Centre Manager)

O) Modern Monagement Vizjanagaram

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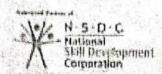
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Next Diamond Park, 3° Lane, Dwarskanager,
Visakhapatosm, Anulica Predesh - 530 016

Ph. 0891-2717916 / 2505853





DI - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. BARRI KARTHIK student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 19B61A0301 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>rd</sup> semester.

During the Solidworks Training he learnt the following:

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- I. Sketcher
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- 6. Sheet Metal

Krishna Chalishya Bommakanti. (Centre Manager)

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Corporate Office: 9-14-1, Flat No.: 301 & 302, 2nd Floor, Kolu Empire. VIP Road, CBM Compound. Sinpuram, Visakhapainam - 530,003, Andhra Pradesh, India: Ph.: 0891-2507227, 2707227. E-max. Info@datapro.in Wabsile: www.datapro.in

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Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. CH DURGA PRASAD student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 19B61A0303 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chatanya Bommakanti. (Centre Manager)

Vizianagaram

Computer Education Division

#47-9-10, 2nd Floor, Subhadra Complex, Near Diamond Park, 3" Lane, Dwarakanagar, Visakhapatnam, Andhra Pradesh - 530 016 Ph. 0891-2717918 / 2505653





Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. DASARI VEMAKUMAR student of B.Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No: 19B61A0304 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2nd semester.

During the Solidworks Training he learnt the following:

- I. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chairanya Bommakanti. (Centre Ma

> Sarya Institute of Technology and Management Vizianagaram

Corporate Office : 9-14-1, Flat No.: 301 & 302, 2nd Floor, Kotu Empire, VIP Road, CBM Compound, orate Office , 5-19.

Siripuram, Visakhapainam - 530 003, Andhra Pradesh, Indja, Ph.: 0891-2507227, 2707227 E-mail : info@datapro.in Website : www.datapro.in

Computer Education Division Wishkhapatnam, Andhra Pradesh - 530 016 Fh. 0891-2717918 / 2505653





Dt - 12th Ang 2022.

### Certificate of Summer Internship

We certify that Mr. GOLLORI HEMANTH TEJA student of B.Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No: 19B61A0306 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2nd semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design.
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

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Computer Education Division #47-9-10, 2 Floor, Subhadra Complex. Near Diamond Park, 3rd Lane, Dwarakanagar, Visakhapatnam, Andhra Pradesh - 530 016 Ph: 0891-2717918 / 2505653





Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. MEESALA RAJESH KUMAR student of B.Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No: 19B61A0308 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2rd semester.

During the Solidworks Training he learnt the following:

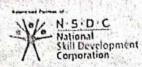
- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishn) Bommakanti. entre Manager)

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Vizianagaram

Computer Education Division #47.9.10, 25t Floor, Subhadia Complex, Near Diankand Park, 3rd Lane, Dwarakanagar, Visakhapatnam, Andhra Pradesh - 530 016 Ph. 0891-2717918 / 2505653





Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. MEESALA SUNIL student of B.Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No: 19B61A0309 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2nd semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna (Krishna Bommakanti. (Centre Manager)

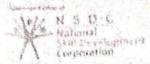
Satya Institute of Technology and Management

Vizianagaram

Corporate Office: 9-14-1, Flat No.: 301 & 302, 2nd Floor, Kolu Empire, VIP Road, CBM Compound, Sinpuram, Visakhapatnam - 530 003, Andhra Pradesh, India, Ph.: 0891-2507227, 2707227. E-mail: info@datapro.in Website: www.datapro.in

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Dr. 12" Any 2022.

### Certificate of Summer Internship

We certify that Mr. REDDI PRAVEEN KUMAR student of B. Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No; 19B61A0311 successfully completed the summer internship training on Solidworks, from H<sup>th</sup> July 2022 to H<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>rd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
  - 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chaithnya Bommakanti. (Centre Manager)

Principal
Serva Institute of Technology and Management
Vizianagaram

Corporate Office: 9-14-1, Flat No.: 301 & 302, 2nd Floor, Kotu Empire, VIP Road, CBM Compound Sinpuram, Visakhapatnam - 530 003, Andhra Pradesh, India. Ph.: 0891-2507227, 2707227 E-mail: info@datapro in Website: www.datapro.in

Computer Education Division \$47.9.10 PT FROM SUPPLES CONTROL Now Chanceld Dark you Land, Descriptions, Visakhapatnam, Andhra Pradesh - 830 616

PM 0891-2717918/2505853



Dt - 12" Aug 2022.

### Certificate of Summer Internship

We certify that Mr. S VENKATA RAMANA student of B.Tech 3rd Year Mechanical Engineering (MECH). Bearing H.T No: 19B61A0312 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3<sup>nd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chricanya Commakanti. (Centre Manager)

Principal

\$31va histitute of Technology and Management Vizianagaram

Corporate Office : 9-14-1, Flat No. 301 & 302, 2nd Floor, Kotu Empire, VIP Road, CBM Compound. Sinpuram, Visakhapatnam - 530 003, Andhra Pradesh, India, Ph., 089 L 2507227, 2707227 E-mail ; imp@datapro in Website www.datapro in

Composer Education Unision

est & to 2" Ploor, Subhedra Company

World Subscript Park, 37 Lane, Dwarakanager,

Visselbapetnem, Andhra Pradesh - 630 016 FE CESSLO7 STOLE / 2505653





1x-17" Aug 2022.

### Certificate of Summer Internship

We centify that Mr. ADDEPALLI SHIVA PAVAN KUMAR student of H. Leen 3" Year Mechanical Engineering (MECH), Bearing LT No. 20065A0301 accessfully completed the summer telescable framing on Solidworks, from 11" July 2022 to 11th Aug 2072 (sweeks) as a part of 3rd Year The somewher,

therey the Solidworks Training he lesewish following

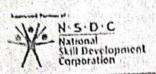
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- L. Pair Design
- 1. Surface Besign
- 4 Assembly
- 5. Drafner
- h. Sheet Metal

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Principal Galva Institute of Technology and Management Vizianagaram.

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Computer Education Dhision \$47-9-10, 2" Floor, Subhadia Complex. New Distanced Park, 3rd Lane, Dwarakanagar, Visakhapatnam, Andhra Pradesh - 530 016 Ph. 0891-2717918/2505653





Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. ALLAM SIVA KUMAR student of B.Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No. 20B65A0302 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3th Year 2nd semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design ...
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

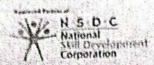
Krishna Chajtanya Bommakanti.

Salva Institute of Technology and Maragement

Corporate Office: 9-14-1, Flat No.: 301 & 302, 2nd Floor, Kotu Empire, VIP Road, CBM Compound, Sinpuram, Visakhapatnam - 530 003, Andhra Pradesh, India. Ph : 0891-2507227, 2707227 E-mail: info@datapro.ln Website; www.datapro.in

Computer Education Division

947-9-10, 27 Floor, Subhadra Complex, Near Diamond Park, 3" Lane, Dwarakanagar, Visakhapatnam, Andhra Pradesh - 530 016 Ph. 0391-2717918 / 2505653





Dr - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr, CHALLA KARTHEEK student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0305 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chattanya Bommakanti, (Centre Manager)

8 Al Va Institute of Technology and Managemon

Corporate Office: 9-14-1, Flat No. 1301 & 302, 2nd Floor, Kotu Empire, VIP Road, CBM Compound, Sinpuram, Visakhapalnam - 530 003, Andhra Pradesh, India, Ph. 0891-2507227, 2707227

E-mail: into@dalapro.in Website: www.dalapro.in

Computer Education Division
#47-9-10, 2<sup>rd</sup> Floor, Subhadra Complex,
Near Diamond Park, 3<sup>rd</sup> Lane, Dwarakanagar,
Visakhapatnam, Andhra Pradesh - 530 016
Ph. 0891-2717918 / 2505653





Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. GOTTAPU SAI CHARAN student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0309 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>nd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

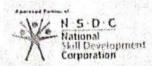
Krishna Ghaitan a Bommakanti. (Cenfre Manager) Di M

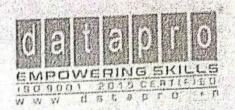
Satya Institute of Technology and Management
Vizianageram

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Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. KANDEPALLI PAVAN KALYAN student of B. Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No. 20B65A0310 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>rd</sup> semester.

During the Solidworks Training he learnt the following:

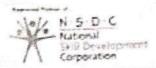
- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chhitaiya Bommakanti. (Centre Manager)

Unitya Institute of Technology and Managemer

Vizianagaram.

Computer Education Division 847.9-10, 2<sup>rd</sup> Filson, Subhadra Complex New Distrand Park, 3" Lane, Dwarskanager, Visakhapatnam, Andhra Pradesh - 530 016 Ph 0891-2717918 / 2505053





Dr - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. KARRI APPALA RAJU student of Il. Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No. 20165A6312 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4meeks) as a part of 3rd Year 2rd semester.

During the Solldworks Training he learnt the following:

- I. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chaffanya Bammakansi. (Centre Manager)

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Corporate Office: 9-14-1, Flat No.: 301 & 302, 2nd Floor Kotu Empire, VIP Road, CBM Compound Septram, Visal hapatham - 530 003, Andrea Pradesh, India, Ph. (0891-2507227, 2787227 Earns, modications in Website, wave catagories

Computer Libration Designs
44.235-30, per Pleon Sobblevia Callegnos
Near Diamone Park, 57 Lano, Divarationages,
Visakhapatoum, Andhra Pradesh, 550 pre
Ph. 1601-127 17946 / 2505455





Di - 12" Aug 2022.

### Certificate of Summer Internship

We certify that Mr. KASIREDDY GANESH student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0313 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rt</sup> Year 2<sup>rd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting
- 6. Sheet Metal

Krishna Chattanya Bammakanti. (Centre Manager)

Principal

Satva Institute of Technology and Management Victoria decam

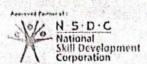
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**Computer Education Division** 

#47-9-10, 2nd Floor, Subhadra Complex, Near Diamond Park, 3rd Lane, Dwarakanagar, Visakhapatnam, Andhra Pradesh - 530 016

Ph: 0891-2717918 / 2505653





Dt-12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. KONDRU LAXMANA RAO student of B.Tech 3rd Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0314 successfully completed the summer internship training on Solidworks, from 11th July 2022 to 11th Aug 2022 (4weeks) as a part of 3rd Year 2nd semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly
- 5. Drafting

6. Sheet Metal

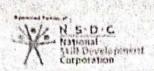
Krishna Chaitan ar Bommakanti. (Centre Manager)

Ballya Institute of Technology and Management

Vizianagaram

Corporate Office: 9-14-1, Flat No.: 301 & 302, 2nd Floor, Kotu Empire, VIP Road, CBM Compound, Siripuram, Visakhapatnam - 530 003, Andhra Pradesh, India. Ph.: 0891-2507227, 2707227 E-mail: info@datapro.in Website: www.datapro.in

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#47-9-10, 2\*\* Flook, Subhadra Complex
Near Dismoval Plant, 3\*\* Larie, Dwarskanapar,
Visakhapatham, Andhra Pradesh - 530 016
Pti. 0891-27179187-2505653





Dt - 12th Aug 2022.

### Certificate of Summer Internship

We certify that Mr. LAKKOJU HARINADH student of B.Tech 3<sup>rd</sup> Year Mechanical Engineering (MECH), Bearing H.T No: 20B65A0316 successfully completed the summer internship training on Solidworks, from 11<sup>th</sup> July 2022 to 11<sup>th</sup> Aug 2022 (4weeks) as a part of 3<sup>rd</sup> Year 2<sup>rd</sup> semester.

During the Solidworks Training he learnt the following:

- 1. Sketcher
- 2. Part Design
- 3. Surface Design
- 4. Assembly.
- 5. Drafting
- 6. Sheet Metal

Krishing Chaitages Rommakanti. (Centre Manager)

Principal

Sultya Institute of Technology and Monagement

Vizionagaram

SPOCIOAC SITE VIZIANO CONTRACTOR

### ELECTRIC TECHNOLOGIES PRIVATE LIMITED

This is to certify that KOMMURU SIRI CHANDANA, III-ECE, student of SATVA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, has successfully completed her internebin unit. her internship with AGRAYANA ELECTRIC TECHNOLOGIES PRIVATE LIMITED during the November 1. during the beriod 16th - 30th September, 2020 held at TESLA INNOVATION CENTRE, SATYA INSTITUTE TO SEPTEMBER, 2020 held at TESLA INNOVATION CENTRE, SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, VIZIANAGARAM.

During the period, she handled RETROFITTING OF DIESEL AND PETROL AUTO WITH ELECTRIC MOTOR AND BATTERY SYSTEM.

During the course of internship, KOMMURU SIRI CHANDANA has shown great amount of responsibility, sincerity and a genuine willingness to learn and zeal to take on new assignments & challenges. In particular, her coordination skills and communication skills are par excellence and her attention to details is impressive.

We wish him all the very best for his future.

With regards,

For Agrayana Electric Technologies Pvt. Ltd.

Director

Ger Managonies Vizianagaram

- 17. Maruti Nagar, Ayannapeta, Vizianagaram, Andhra Pradesh - 585003 Ph No : 9441956143







OF ACHIEVEMENT

Congratulations,

### R. Lakshmu Naidu

on successfully completing the course,

## PROGRAMMING FOUNDATIONS WITH PYTHON



Python

NASSCOM

October 28, 2022.

Issue Date:

Member of

Stanford Google (2) ITBombay amazon (3) ITDown Res Microsoft Perhapings and Management

CEO, NxtWave Rahul A

Alah

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SPOCTION at https://certificates.ccbp.in/intensive/programming-foundations?id=BFEPUTQXJD







# BHARAT RATNA BHIMRAO AMBEDKAR INSTITUTE OF TELECOM TRAINING

(An International Level Apex Training Center of BSNL) (A 100% Govt of India Enterprise)

### CERTIFICATE

This is to Certify that Mr./Ms.

### Potnuru Tarum

has successfully completed Online Vocational / Industrial Training of

ELECTRONICS AND TELECOMMUNICATION

with effect from 01/06/2020 TO 12/06/2020 12/06/2020

at BRBRAITT, JABALPUR

We wish him/her all the best for a bright future.

Dy General Manager(TM) D. WERBRAITT, Jabalpur

Savia institute of Tecanology and Managed sant

SITABar Code: Illuminalight millimin VIZIANAGANAM, A.P., ILLDIA

12/06/2020-

Date /

Visianagaram

### Certificate of Training

### **Gunjan Solanki**

Database, AWS Advanced Services, AWS Security & Management Services, AWS Billing and Pricing, and Training has successfully completed a 6-week online training on Cloud computing with AWS. The training consisted of Introduction to Cloud Computing, Getting Started with AWS, AWS Identity & Access Management, Simple Storage Service (S3), Virtual Private Cloud (VPC), Elastic Compute Cloud (EC2), High-Level Architecture, Conclusion and Final Project modules.

We wish Gunjan all the best for future endeavours. In the final assessment, Gunjan scored 63% marks.

FOUNDER & CEO, INTERNSHALA Sarvesh Agarwal

Certificate no.: AE738D49-D2D3-E7D9-C81E-6422DD93711B

For certificate authentication, please visit https://trainings.internshala.com/verify\_certificate Date of certification: 2022-08-28

Sarya Institute of Technology and Managerial Vizianagaram





### CERTIFICATE

OF ACHIEVEMENT



### R. Lakshmu Naidu

on successfully completing the course,

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OF ACHIEVEMENT



Congratulations,

### R. Lakshmu Naidu

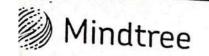
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August 17, 2022 Issue Date:

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Registered Office Address: Mindtree Ltd,
Global Village, RVCE Post, Mysore Road,
Bengaluru-560059, Karnataka, India.
Corporate Identity Number (CIN): L72200KA1939PLC025564
E-mail: Info@mindtree.com

5 Aug 2022

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that DASARI SARITHA LAKSHMI from GVP SITAM has successfully completed her Mindtree's internship on MERN from 14\March\2022 to 12\June\2022.

During the internship, her performance was Good .

We take this opportunity to thank and wish her the best for future endeavors.

Thanking You,

For Mindtree Limited,

Majorath scorn

Shalini Macaden Vice President – People Function

Please Note: All source code and documents generated as part of the project work are confidential and must not be shared outside of Mindtree, as these are the Intellectual Property of Mindtree Limited.

Mindtree Ltd

T +91 80 6706 4000

RVCE Post, Mysore Road

F +91 80 6706 4100

Bangalore 560 059

W www.mindtree.com

Satya Institute of Technology and Management Vizianogoram

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31st May 2022

# PROJECT COMPLETION CERTIFICATE

This is to certify that Ms Salapaka Prasanthi Trainee ID 40113722 student of "Satya Institute of Technology and Management, Vizianagaram" has completed the project entitled "JAVA/ J2EE" under the guidance of "Sureka Rajeshwari" from 10th Mar 2022 to 31st May 2022 at Bangalore for the academic requirements of her graduation.

We have observed that your work was excellent and we appreciate your sincere learning. You have performed the project with energy and enthusiasm.

This letter is issued based on your request.

We wish you all the very best in your career ahead!

Yours sincerely, For Wipro Limited,

Aparna Shailen

General Manager - Human Resources

SPOC, IOAC

Principal
Satya Institute of Technology and Management

Vizianagaram

Registered Office:

Wipro Limited
Doddakannelli
Sarjapur Road
Bengaturu 560 035

T :+91 (80) 2844 0011 F :+91 (80) 2844 0054

E : Info@wipro.com W : wipro.com

C : L32102KA1945PLC020800

5. Sarya Institute of Foulfolding and Westagomora
With the Institute

Vizianajaram。 。 40113722



31st May 2022

## PROJECT COMPLETION CERTIFICATE

This is to certify that Mr Gowri Shankar Singamsetty Trainee ID 40119758 student of "Satya Institute of Technology and Management, Vizianagaram" has completed the project entitled "JAVA/ J2EE" under the guidance of "Sureka Rajeshwari" from 10th Mar 2022 to 31st May 2022 at Bangalore for the academic requirements of his graduation.

We have observed that your work was excellent and we appreciate your sincere learning. You have performed the project with energy and enthusiasm.

This letter is issued based on your request.

We wish you all the very best in your career ahead!

Yours sincerely, For Wipro Limited,

Aparna Shailen

General Manager - Human Resources

glatered Office:

ipro Umited oddakannelii arjapur Road

engaluru 560 035

T:+91 (80) 2844 0011 F:+91 (80) 2844 0054

E :Info@wlpro.com W:wipro.com

C : L32102KA1945PLC020800

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40119758

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Bring everything.



Know-how.





Building on belief

# Internship Certificate

# Saranya P

Course: BTech in Computer Science and Engineering Institute: Satya Institute of Technology and Management, Vizianagaram

From 16-Feb-2022 to 18-May-2022

Mentor Name: Suparna Chatterjee

Project: OFEX-00262: CIA Finance implementation

SPOC, IOAC Salia freshute of

Charles Kalum

Chandra Koduru

Head - Academic Interface Programme

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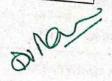
### II B. Tech SEMESTER-II

70 0	FIELD VISIT		
S.NO	ROLL NO	STUDENT NAME	
1	20B61A0101	AGURUPA JYOSNACHANDRIKA	
2	20B61A0102	AVALA SRI HARSHA	
3	20B61A0103	BATTANA AYUSH	
4	20B61A0104	BODDANA DEEKSHITHA	
5	20B61A0105	BOGUROTHU GAYATRI	
6	20B61A0106	CHILAKALAPALLI TULASI RAM KEDHARISH	
7	20B61A0107	DASU YASWANTH KUMAR	
8	20B61A0108	DEVADA TIRUPATHI RAO	
9	20B61A0109	DODDI SAI NAGESH	
10	20B61A0110	GANTALAPU RAKESH KUMAR	
11	20B61A0111	GELLANKI SADVIKA	
12	20B61A0112	GOLLAPALLI UMAMAHESWAR	
13	20B61A0113	KALYANAM KISHORE	
14	20B61A0114	KARIMAJJI VINAY KUMAR	
15	20B61A0115	KARROTHU DILEEP	
16	20B61A0117	KASIPURAM KUMAR RAJA	
17	20B61A0118	KINTHALI SARANKUMAR	
18	20B61A0119	KOLAGATLA VENKATA PRAVEEN SAI	
19	20B61A0120	KOSETTI NAVEEN	
20	20B61A0121	LADE REVANTH	
21	20B61A0122	LENKA HARIPRASAD	

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VIZIANAGAMANANILIDIA

S.NO	ROLL NO	STUDENT NAME
22	20B61A0126	NULAKALA DHANUNJAYA
23	20B61A0127	
24	20B61A0128	
25	20B61A0130	
26	20B61A0131	REDDI YOGEESWARI DEVI
27	20B61A0133	SUNKARA RAMALAKSHMI
28	20B61A0134	SUNKARI ROHIT KUMAR
29	20B61A0135	TALE PYDIRAJU
30	20B61A0136	THADDI ATCHUTA RAO
31	20B61A0137	THOTTADI MADHAVI
32	20B61A0139	YENNI AVINASH NAIDU
33	21B65A0101	. CHEPENA BHANU PRAKASH
34	21B65A0102	CHIPPADA PRASAD
35	21B65A0103	DASARI NAGASIVA TEJA
36	21B65A0104	DUMPA PRASAD
37	21B65A0105	ENUMULA BHASKAR
38	21B65A0106	GEDDA GANESH
39	21B65A0107	GUNTA PRAVEEN KUMAR
40	21B65A0109	KOTHAPETA SINDHUJA
41	21B65A0111	SRIKAKULAPU ARUNA
12	21B65A0112	S VENKATA LAKSIIMI NAIDU
	21B65A0113	TADDI SAI SARATII KUMAR
L'al Clark	21B65A0114	VAJJI HARISH
5	21B65A0115	YAPPARIKA SRAVANI





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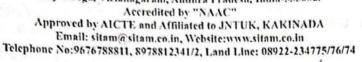
### FIELD VISIT

### III BTECH SEMESTER-I

S.NO	ROLL NO	STUDENT NAME
1	19B61A0101	ALTHI CHANDAN
2	19B61A0102	B CHANDRAMOULI
3	19B61A0103	CHEPPALA NEERAJAKSHI
4	19B61A0104	KARADA TARUN TEJA
5	19B61A0105	KARNI ANITHA
6	20B65A0101	AKKINAPALLI NAGARAJU
7	20B65A0102	INAPAKURTHI RUSHEE
8	20B65A0104	MAJJI DHARANI
9	20B65A0105	NADIPILLI SURYA KUMARI
10	20B65A0106	PALLI KALYANI
11	20B65A0109	POTHUREDDI ESWARA RAO
12	20B65A0114	PILLA SATEESH KUMAR

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# IV B.Tech SEMESTER-I (2021-22) FIELD VISIT

S.NO	ROLL NO	STUDENT NAME
1	18B61A0101	A.MOHAN
2	18B61A0102	N.ANUSHA
3	18B61A0103	P.MANIKANTA NAIDU
4	18B61A0104	T.VENNELA KIRAN
5	19B65A0101	ATTADA RAMBABU
6	19B65A0102	BAMMIDI SUMANTH
7	19B65A0103	BODDU PRASADU .
8	19B65A0104	DASARI NARAYANA RAO
9	19B65A0105	EEGALA REVANTH
10	19B65A0106	GARUGU PURNA CHANDU
11	19B65A0107	GEDELA BHASKARA RAO
12	19B65A0108	JAMPA NARASIMHA MURTHY
13	19B65A0109	KOLLI SOMANADH
14	19B65A0114	REVALLA JITHENDRA KUMAR
15	19B65A0115	SANAPATHI APPALANAIDU
16	19B65A0118	VALLAMSETTY TARUN TEJA SAI
17	19B65A0119	VASUPALLI ANITHA
18	19B65A0120	VEMALA HARI KRISHNA
19	19B65A0121	YELURI DHANANJAY RAO

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FIELD VISIT





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# FIELD VISIT TO MEDIUM IRRIGATION PROJECT







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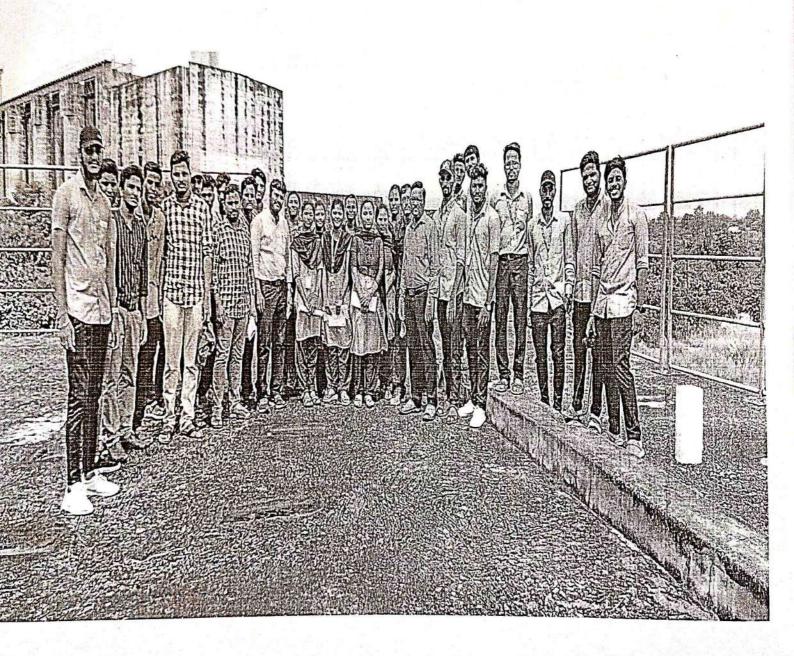
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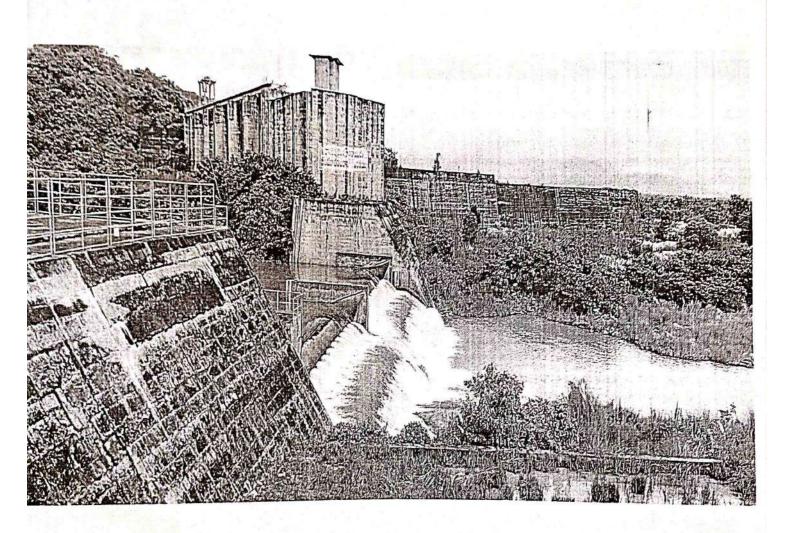
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SPOC, IOAC SPOC, IOAC SITALIANAMAN SIDA

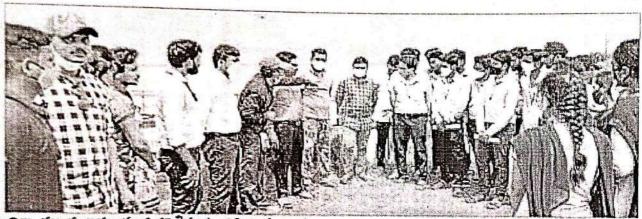
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# సివిల్ ఇంజినీరింగ్లో అపార అవకాశాలు



విద్యార్థులకు అవగాహన కరిగిస్తున్న శశిభూషణరావు

మెంటార: సివిల్ ఇంజినీరింగ్ బ్రాంచ్లో ఉద్యోగ, ఉపాధి అవకాశాలు అపారంగా ఉంటాయని సీతం కళాశాల డైరెక్టర్ మజ్జి శశిభూషణరావు తెలిపారు. గురువారం ఆండ్ర ప్రాజెక్టును విద్యార్థులతో సం దర్శించారు. తరగతి గదుల్లో నేర్చుకోవడంతో పాటు ఆయా శాఖలమైన క్షేతస్థాయిలో పరిశీలన ఎంతో అవసరమని ఆయన పేర్కొన్నారు. ఆండ్ర, జంఝావతి, తోటపల్లి, తాటిపూడి వంటి ప్రాజెక్టు లను ఎన్నోయేళ్ల క్రితం నిర్మించారన్నారు. వీటిపై విద్యార్థులు అడిగిన పలు సందేహాలను నివృత్తి చేశారు. నీటిపారుదల శాఖ దేఈ సంతోష్, కళాశాల సిబ్బంది పాల్గొన్నారు

Fri, 24 September 2021 https://epaper.sakshi.com/c/63319127

> STOREGA SIZIALIZATION

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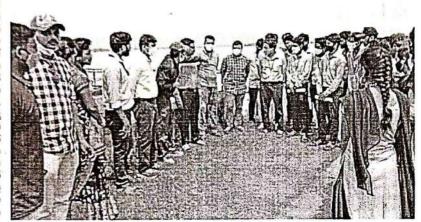
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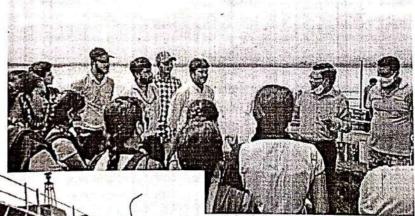


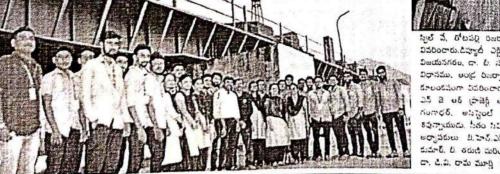
# එඔල් **පටස**නුවරද්දා ම්ලාද් මදිපැලෝ

సాగునీటి ప్రాజెక్టుల సందర్శనలో సీతం విద్యార్థులు

చిందునగరం, స్టార్జుల్ 23(అక్షరకరలం) సాంసీటి ప్రైవేక్టులు అమనిక దేవాలయాలన్న పండిలే నిర్ణూ మృత్తిన విర్మార్థులలో పెంపించించేందుకు క్షేణ స్థాయి అవగాపానగోనే భవిష్టుశ్ నవార్తను ఎదుర్భానగలరని పీతం ఇంజనీరింగ్ కలాగాల రైరెక్టర్ మళ్ల శశీరూపడ్ అన్నారు. గురువారం సవిత ఇండిసింగ్ నిరాగం నిర్మార్థుల ఉద్దారని పాగునీటి ప్రాథిస్తుం సందర్భన సందర్భంగా అయన మాట్లాడుతూ . అంజనీరింగ్ విద్యార్థులు తరగతి గడులో నేర్చుకోవరంలో పాటు డ్లేత స్థాయి పరిశీలన ఎక్కువ ఉదకరిస్తుంచన్నారు. రోటపల్లి రిజర్వాయర్. జంయానని రద్దాన్ ర్మామ్. అండ రిజర్వాయిన్లలో నీది నిర్వ పాడుర్భం, మ్మాయిన్ను, విర్మాణ తీరుతెన్నులు , సాగు నీడ ללמסם בפושות פיבה שיש לבועם בשבישם సంగోప్ కుమార్ విర్మార్థులకు వివరించారు. 3.7 టీ ఎం సి ల హర్రి నీది చిల్ప సామర్వంలో ఛన్న లోటవర్లి (పాజెక్ట్ నిర్మహం మ విర్మార్థులుఎంతో అసక్షితో తెలుసుకున్నారు.అసియా లోనే కొలి ర్వార్ కాం అయిన కాంటువరి స్టాజెక్ట్ పనితీరు పై ఆమాపాన కర్తించడం జరిగిందన్నారు.10 మేం ఎకరాంట సాగు సీరిని పారించే అండ్ అలాశయాన్ని విద్యార్తులు పరిశీవించారు. సీతం కళాశాల వైస్ రూమ్ బోధనరో పాటు వారిలో స్టాక్ట్రికల్ అహిచ్ పై అధికంగా దృష్టి సారిన్నందన్నారు.ప్రాకెట్టల సందర్శన, నిర్మాణ మరియు విర్వహణలపై అవగాహన కర్పించడం వృదు భ్రయాసలతో కాడివదైనప్పటికి సివిల్ అంటనీరింగ్ లో భ్రస్తురం వస్తాన్న అవరాగాలను సీతం విద్భార్తులు అందుకోవరం లో క్షేత సందర్భవలు ఉపయోగ పదరాయాన్నారు. ఇంజనీరింగ్ బ్రాంచ్ లలో మర్పీ సివిల్ ఇంజనీరింగ్ కు దేవాండ్ పెరిగిందన్నారు. డరుత్వార. డైవేటు సెక్టార్ లలో కారీ స్టాయి కట్టడార నిర్మాణలు రోజురోజుకు అధిక మవురున్నాయాన్నారు.సీఎల్ బంజనీరింగ్ ఔర్నహల్ప్ కొరత అండలాన్ని గమనించే చిప్పేకులయిన విద్యార్భులను అందిందాలని గీతం ఇంజనీరింగ్ కళాశాల జైరెక్టర్ కెబిపారు. ఈ పర్యటన లో ధాగంగా ఏ కె ఎమ్ ఎన్ జె ఆర్ స్టాజెక్ట్ డిఫ్యాట్ ఎక్టిక్యూడిస్ బంజనీర్ కి. (రీసు హెడ్ రాగ్యులేటర్ ను ఆవరేట్ లేయు వర్గర్.







న్నిల్ చే, రోటపల్లి రిజర్వామర్ గేట్స్ గూర్చి మాలంకేషంగా వివరించారు.డిప్పూడీ ఎగ్లిక్స్టూడీప్ ఇంఆసీర్. ఇరిగిషన్ శాఖ. విజయనగరం, డా. ట్. సంచేష్ కుమార్ స్టాల్ వే ఎని చేయు విధానము. అంటే రిజర్వాయర్ కుడి ఎడ్డమ చాలువల గుంద్రి మాలంకేషంగా వివరించారు ఈ శ్రీత ఎర్వటన లో ఎ గి ఎమ్ ఎస్ జె ఆర్ ప్రాజెగ్గి అస్స్టింల్ ఎర్జిక్స్టూడిప్ ఇంఆసీర్ పి చిన జి ఆర్ ప్రాజెగ్గి అస్స్టింల్ ఎర్జిక్స్టూడిప్ ఇంఆసీర్ పి. చిష్మ కాష్యాయుడు. సీతం సివిల్ విభాగారిపతి లా జి ఈ విశార్య అర్భావకులు టి.హెళ్ళిఎస్. సాయి ప్రశారంక్, జి గాతమ కుమార్, టి తరుణి మరియు పి. సరీష్ పార్చన్నారు ప్రస్తిపాల్ డా. డి.వి, రామ మూర్తి అన్నారు.

SPO GITTANIA

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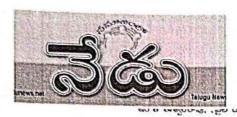
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שים הפיםם בים מש

# පැංසතිපංලිණි මෙකිර් මක්පෘතාමා

నీతం కళాశాల దైరెక్టర్ దాక్టర్ శశిభూష్ట్

ఏదార్మల సాగునీటి ప్రాజెక్నుల సందర్భన

(ವೆರು -ರಿಕ್ಲಯವಗರಂ)

పాగునీది ప్రాజెక్టులు అధునిక దవాలయాలన్న వండిలో న్న తోటవర్లి ప్రాజెక్ట నిర్రా సూక్తిని విద్యార్మలంతా మ్నార్షిగా రీసుకుని నిర్వహణను విద్యాన్నులు పెంటాందించుకోవాలని నగరంలోని సీతం ర్ములు ఎంకో అనక్షిక ఇంజనీరింగ్ కళాతాల డైరెక్టర్ మల్ల శశభావడ్ తెలునుకు న్నారు. అన్నారు. గురువారం సెవిల్ ఇంజనీరింగ్ విభాగం అసియా లోనే కౌరి రబ్బర్ దాం అయిన జాంరువరి విర్మార్థులు ఉల్లాలోని సాగునీది ప్రాజెక్టుల నందర్శన ప్రాజెక్ట్ పనికీరు పై అవగాహన కర్సించారు. 10 వేల పందర్భంగా అయన మాట్లాడుతూ.. ఇంజనీరింగ్ ఎకరాలకు సాగు నీటిని అందించే ఆంగ్ర జలాశయాన్ని విద్యార్థులు తరగతి గడుల్లో నేర్చుకోవడంతో పాటు క్షేత పిర్యార్థులు పరిశీరించారు. నీతం కథాశాల క్లాస్ రూమ్ స్థాయి పరిశీలన ఎక్కువ ఉపకరిస్తుందన్నారు. తోటపర్లి దోధనలో పాటు రిజర్వాయిక్, జంఝావత్ రద్చిల్ ద్యామ్, అండ్ర రిజ్జ్ అధికంగా రృష్ట్రి సారిస్తుండన్నా రు. ప్రాకెక్యల నం హెడ్ రిగ్యు లేటర్ ను అవరట్ విధానం, నృట్ వే.

రాముత్త ఎగ్రామాన్రం ಕ್ಷಂಜನಿಕ 20012 కుమార్ విద్యార్శలకు వివరం రారు. 3.7 దీఎం స్థ ల పార్తి నీది నిల్ప సామర్జ్మంతో ఫ 2003

వారలో ప్రాక్టికల్ అస్టోచ్ పై

ద్యార్తులు నైపుణ్యం అం ದರ್ಭನಲು ಕಿವರ್ಯಗವರ ಕಾಲು ವಲ ಶ್ರಿ ಕೊಲಂತವುಂಗ್ ವಿವರಿಂದಾರು. రాయన్నారు. ದಾಲ ನಿರ್ವಾಣಾಲು ರ್ಮ రోజుకు అధిక మవురు పాల్గొన్నారు.

న్నాయాన్నారు. సవిల్ ఇంజనీరింగ్ టెక్స్ నిష్ఠాశులయిన విద్యార్థులను అందిందాలని సీశం ఇంజ నీరింగ్ కళాశాల డైరెక్టర్ శెరిపారు. ఈ పర్యటన లో భాగంగా వి కి ఎమ్ ఎస్ జె ఆర్ ప్రాజెక్ట్ డిప్పూలీ ఎక్టిక్యూటివ్ ఇంజనీర్ కె. (జీను బాబు విద్యార్భులకు ర్వాయర్లో పీడి నిల్వ సామర్థ్యం, స్వాయిన్లు, నిర్మాణ బీ దర్శన, నిర్మాణ, నిర్వహ జలపై అవగా హన కర్పిం తోటపల్లై రిజ ర్వాయర్ గేట్స్లోల పనిశీరు కూలంకషంగా రుశెమ్మలు, సాగు నీది కల్పవలపై ఇరిగేషన్ శాఖ దరం వృయ భయా నలకో కూడినలైనా, సీతం వి వివరించారు. డిప్పూటీ ఎగ్జిక్యూరిన్ ఇంజనీర్, ఇరిగేషన్ రాఖ, విజ యనగరం, డా. బి. నంతోష్ కుమార్ న్నిల్ దుకోవడంలో క్షేణ్ నం వే పని చేయు విధాన, అండ్ర రజర్వాయర్ కుడ్ ఎడమ

> ఇంజనీ ఈ క్షేత పర్యటనలో ఏ రె ఎమ్ ఎన్ జె ఆర్ ప్రాజెక్ట్ రింగ్ బ్రాం వలలో మక్కి అనిస్టెంట్ ఎగ్జిక్యూటివ్ ఇంజనీర్ కె. గంగాధర్. సివిల్ ఇం జనీరింగ్ ఓ అనిస్టెంట్ ఎక్జిక్యూటివ్ ఇంజనీర్ ఏ చిన్న మాండ్ పెరిగిండన్నారు. శివున్నాయుడు, సీరం సివి లే విభాగాధిపతి డా. ఉ డ్రాలు ర్వాల, టైవేటు సె రవి రిషోర్, ఆధ్యావకులు బి.హె కే.ఎస్. సాయి క్రార్ రాల్ ఛార్స్తాయి కట్ట డ్రూలంకే, జి. గౌరమ్ కుమార్, బి. శరుణి పి. నరిష పాల్గొన్నారు (పిన్సిపాల్ డా. డి.వి. రామ మూర్తి





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# DEPARTMENT OF MECHANICAL ENGINEERING

# INDUSTRIAL VISIT REPORT

Industry visited: KIA INDIA PVT. LTD, PENUGONDA, ANANTHAPUR DIST.

Date of visit: 19-04-2022

Department of Mechanical Engineering has organised an industrial visit to KIA INDIA PVT. LTD, PENUGONDA, ANANTHAPUR DIST, for final year mechanical students on 19-04-2022.

Kia India Private Limited is a subsidiary of Kia for its operations in India. The company was founded on 19 May 2017 following an announcement of the construction of a new 536-acre manufacturing facility in Anantapur District, Andhra Pradesh. The plant started its trial production in January 2019 and the mass production of its first product, the Kia Seltos started on 31 July 2019. The US\$2 billion manufacturing plant is capable of producing 300,000 vehicles annually

### PRODUCTS

Kia India is producing several models that was developed specifically for the Indian market, namely the SP2i version of the Seltos and the sub-4 metre SUV Sonet. The plant also manufactures the Kia Carnival exclusively for the domestic market. Within nine months of operations, in July 2020 the company announced that it has achieved a milestone of 100,000 vehicle sales.

Personally, we feel very excited while watching the entire job facilities are there in the KIA manufacturing facility. Production is carried out with full of automation upto 90% of Robotic systems are working out there for the continuous production.

We were received by the personnel of company in the conference hall. Two students received surprise gifts for their answers to the questions asked by the general manager, engineering department of the company.

We started our visit through the company bus which was arranged by them. We were taken to the Stamping Station where the outer body of various models are being stamped with the help of Robitic Systems continuously. Later, we went to the Chassis shop where the Chasses of models are being produced.

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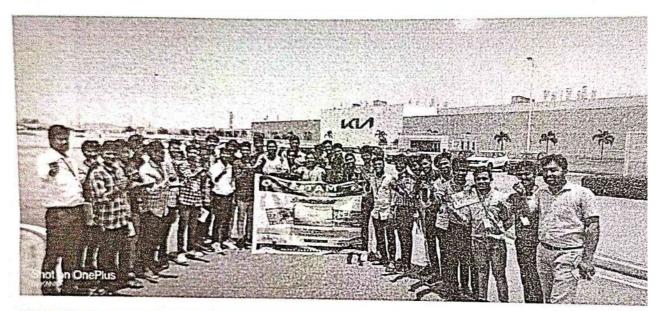
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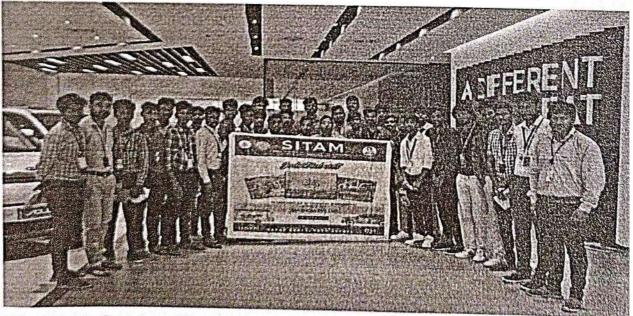
SPOC, IOAC SITAM GALLEREGA SITAM GALLER HELA We could not enter the Paint job shop as it require some extra care protectors. But we were seen hat Painting job through the Simulation systems over there. Later, we visited the assembly shop where the assembly of entire auto-mobile takes place.

Finally we entered the checking point where the manufactured cars are being checked by the professional engineers to check the condition of vehicles at different speeds and different conditions of the weather and ways of driving.

We felt very happy to the see manufacturing facility which is very vast and having fully advanced technologies in every Job Shop.

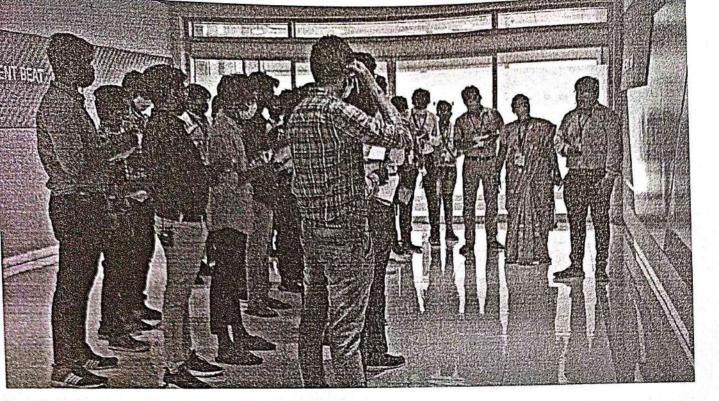
We got the knowledge on different types of machines and job facilities used in manufacturing facility of Kia India Private Limited and had an opportunity to see them in live.





SPOC, IQAC SITAM, GAJULAREGA VIZIANAGARAMAR, INCIA

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# సీతం విద్యార్థుల కియా మోటార్స్ సందర్శన

విజయనగరం అర్బన్: వైజ్ఞానిక సందర్శనలో భాగంగా స్థానిక సీతం ఇంజీనీరింగ్ కళాశాల వి ద్యార్ధులు అనంతపురంలోని కియా మో టార్స్ ఆటోమోటిప్ మాన్యుఫేక్చరింగ్ కంటే నీని గురువారం నందర్శించారు. ఈ సంద ర్భంగా కార్ల తయారీలో బాడీ స్టాంపింగ్, బాడీ టెన్స్, పెయింట్ యూనిట్, అసెంట్లింగ్ ఉండ్ ప్రొడక్షన్ యూనిట్, కార్ల ఉత్పత్తిలో ఉపయోగించే రెండు చందల రోటోల పనితనం గురించి కంటెనీ పీఆర్హాస్ శ్రీరాజ శేఖర్ విద్యార్ధులకు విచరించారు. కంటెనీ పాటించే టెక్నికల్ పద్ధతులు, సేఫ్టీ రూల్స్ అనుసరించి యూనిటీను నందర్శించామని మెకానికల్ ఇంజీనీరింగ్ విభాగాధిపతి సీహెచ్ వెంకటలక్ష్మి తెలియజేశారు.

ਜਾਰ Fri. 22 April 2022 https://epaper.saksh

> SPOC, IOAC SITAM. GAJULAREGA VIZIANAGARAM, A.P., INDIA

**ආ**ජුකාරං, බිහුරි 22 - 2022

පීරා කිසාට් හි නිමර කිස්තුර් වූ ව සට සිදු සට සිපාර් වූ ව



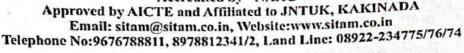
Dackstroo, ఏడ్రిల్ 21 (శ్రిశూలో న్యూప్): సభ్య ఇస్పెట్కాట్ ఆఫ్ లెక్కాండ అంద్ మేనేజ్మెంటి ఇంకటేరింగ్ కళాశాలలో మెకానికల్ ఇంకటేరింగ్ కరువుతన్న విద్యార్థులని ఏక్పాన యాత్ర సందర్శనలో భాగంగా అనంకషరంలో ఉన్నటువంటి భముఖ కియా హెకార్స్ అటోమోదీన్ మాన్విఫేక్సరింగ్ కంపెనీని సందర్శించిన అన్న అనిగి ఉన్న అనే ప్రాంతం కరగిన సిద్ధాన సందర్శనలో భాగంగా ఇళ్ల తయారీలో రలిగి ఉన్న లాడీ శ్రీందింగ్ ,దాడీ (ఇప్పై పెయింట్ యూనిట్ ,ధార్ల డాడీ అనింట్లే యూనిట్ అండ్ భూడిక్స్ యూనిట్లేందు, కియా కాళ్ల ఉత్పత్తిలో ఉపయోగిందే రెండు పండల రోజోలడు వాది పనికనాన్ని గురింటి కేజర్ హెట్ రాజకేఖర్ విద్యాప్తులను సంవీ పాటించే టెక్నికల్ పడ్డకులను పేశ్రీ రూట్స్ పలుకుల్లునే పాటించే విధ్యాలను మండల కాటును కళ్ళింగాగా. కియా మాటాన్న ఇంజరీల్లునే పాటాను విధ్యాలను పరిస్తాన్నలు కూడి కాగంగా రాజకేఖర్ కియా టర్మ అవిర్యానం నుంచి భుప్తత విధానాలను విధ్యార్థులకు వివరిన్ను ఇటువంది అమాళంతో కాలేజీలో చదివే పార్యాంతాలను నేరుగా చాని విధ్యానానీ అందుష్టవర్ను చటువంది అమాళంతో కాలేజీలో చదివే పార్యాంతాలను నేరుగా చూసి విధ్యానానీ అందుష్టవర్ను కాటువంది అమానంది అయ్యవైనే లమరాశును అందిస్తున్న సీతం రాలేజీ యాజమాన్యంకు విద్యాస్థాపులు కృత్యత్వలు తెలువునా అననందాన్ని, వ్యక్తం చేశారు, అలాగే సీరం పాలేజీ యాజమాన్యంకు విద్యాస్థాపులు కృత్యత్వరు తెలువునా అననందాన్ని, వ్యక్తం చేశారు, అలాగే కుందర్సనలో మానికల్ ఇంజనీరింగ్ విధాగ ఆధిపరి క్రీమరి సీహిడినింకట లక్ష్మీ, వరంకర మాదిపరల్ విధాగ అధ్యాస్థాటుల, ఏర్యాస్థారులు పాల్గొన్నారు.



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# DEPARTMENT OF MECHANICAL ENGINEERING

# INDUSTRIAL VISIT REPORT

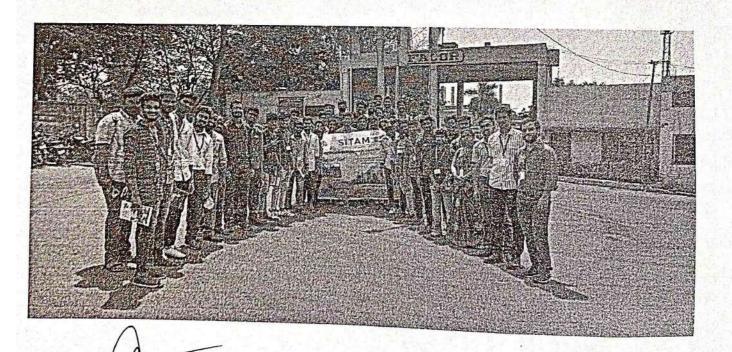
Industry visited: FACOR ALLOYS LIMITED, SHREERAMNAGAR, GARIVIDI

Date of visit: 05-04-2022

Department of Mechanical Engineering has organised an industrial visit to FACOR ALLOYS, GARIVIDI, for second year mechanical students on 05-04-2022.

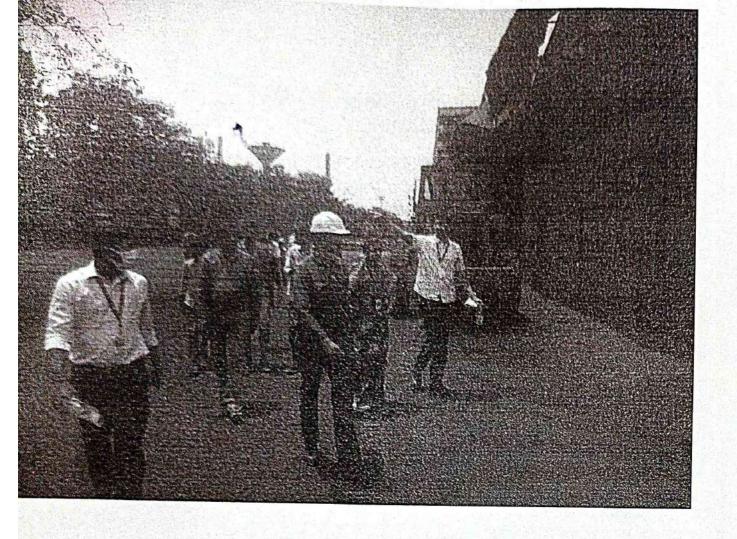
Facor Alloys was established in year 1956 with 3 submerged electric arc furnaces of 7.5 MVA. To cope up with increasing demand the company has set up a sixth submerged electric arc furnace of 16MVA transformer rating for production of high carbon ferro chrome. Full fledged facilitites for raw material handling metal and slag casting, crushing sizing and other ancillaries apart from furnaces for smelting of ferro alloys are made available. The furnaces are equipped with individual bag filter type pollution control systems in order to maintain a clean environment in and around the industry.

Currently engaged in production of high carbon Ferro chrome and silico manganese with 50.5 MVA on a capacity of 90345 mega ton per annum. The company has supporting facilities such as 132/11KV main receiving substation for distribution of power to the furnaces and receives electric power from APEPDCL.



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