

**1.3.4 List of Students undertaken field work/projects/internships/student projects – A.Y.: 2024-25**

<b>Program Name</b>	<b>Program Code</b>	<b>List of Students undertaken field work/projects/internships/student projects</b>
CSE (AI&ML)	42	AGGUNNA BHARGAVI
CSE (AI&ML)	42	ARIKATLA VENKATA SAI NEHA
CSE (AI&ML)	42	AVULA VENKATA RAMYA
CSE (AI&ML)	42	BAVARAJU VENKATA NAGA DURGA VINAY
CSE (AI&ML)	42	BHIMAVARAPU HARSHINI
CSE (AI&ML)	42	BODDAPATI ABHISHEK RATNAM
CSE (AI&ML)	42	BOLLAREDDY KAVYA SAMITHA REDDY
CSE (AI&ML)	42	BOMMINA SURENDRA BABU
CSE (AI&ML)	42	BONU PAVAN KUMAR
CSE (AI&ML)	42	BUDUGULA VENKATA VAMSI
CSE (AI&ML)	42	CHANAMOLU MANOHAR
CSE (AI&ML)	42	CHINTA KARTHIK
CSE (AI&ML)	42	CHINTADA LOKESH BABU
CSE (AI&ML)	42	CHIPPALA PREM CHAND
CSE (AI&ML)	42	CHORAGUDI DANIEL JASON
CSE (AI&ML)	42	CHUNCHU JYOTHIRMAI
CSE (AI&ML)	42	DARELLI KARTHIK
CSE (AI&ML)	42	DIGUMARTHI SRILIKHITHA
CSE (AI&ML)	42	EJJIGANI RAMESH
CSE (AI&ML)	42	GAJULA HEMA NAGA SRI
CSE (AI&ML)	42	GOPIKANTH TIRUMANI
CSE (AI&ML)	42	HARSH J. SHAH
CSE (AI&ML)	42	JADAM HARIKA
CSE (AI&ML)	42	JONNADULA MALLESWARI
CSE (AI&ML)	42	KAKANI VIGNESH CHOWDARY
CSE (AI&ML)	42	KANNEBOINA SAI LAKSHMI
CSE (AI&ML)	42	KANUMARLA MOHITH VIVEKANANDA REDDY
CSE (AI&ML)	42	KARNA BHARGAVA
CSE (AI&ML)	42	KARUKONDA VARUN TEJA
CSE (AI&ML)	42	KETHANABOINA SRINIVASULU
CSE (AI&ML)	42	KOLA ARAVIND
CSE (AI&ML)	42	KOMME TARUN SAI
CSE (AI&ML)	42	KOTAPATI SRAVANTHI
CSE (AI&ML)	42	MADDALA NAVEEN SARKAR
CSE (AI&ML)	42	MANUKONDA DINESH
CSE (AI&ML)	42	MARISSETTI VAGDEVI
CSE (AI&ML)	42	MATTAPALLI GOPI RAJU
CSE (AI&ML)	42	METTU BHARATH KUMAR
CSE (AI&ML)	42	MOHAMMED HIDAYATULLA

CSE (AI&ML)	42	MORLA PRAKASH
CSE (AI&ML)	42	MUNNANGI HARSHA VARDHAN REDDY
CSE (AI&ML)	42	NAGULA RAJESH
CSE (AI&ML)	42	PANDIPATI MOKSHAGNA
CSE (AI&ML)	42	PEKETI SRI SHYAM MANOHAR
CSE (AI&ML)	42	RAAVI PURNA SATYA KUMAR
CSE (AI&ML)	42	RAMALA HARITHA
CSE (AI&ML)	42	SADHULA RANGANATHAN
CSE (AI&ML)	42	SAKALABHAKTHULA KRISHNA BABU
CSE (AI&ML)	42	SANAM ROHITH RAJ
CSE (AI&ML)	42	SEELAM HANEISH KUMAR
CSE (AI&ML)	42	SHAIK FARHAN MAHIDI
CSE (AI&ML)	42	SHAIK AKRAM
CSE (AI&ML)	42	SHAIK RAHIM
CSE (AI&ML)	42	SHAIK RASOOL BASHA
CSE (AI&ML)	42	SHAIK SIRAJUDDIN
CSE (AI&ML)	42	SOMA MANASA
CSE (AI&ML)	42	SOMEPELLI HIMA BINDU
CSE (AI&ML)	42	SOMISETTY POOJITHA
CSE (AI&ML)	42	SYED HUMMERA KAUSAR
CSE (AI&ML)	42	TALLURI SUBRAHMANYAM
CSE (AI&ML)	42	TUMMALA JAYA VARDHAN
CSE (AI&ML)	42	VASIREDDY AARYA CHOWDARY
CSE (AI&ML)	42	VENNA AAKASH REDDY
CSE (AI&ML)	42	YALAMANCHILI JAHNAVI SRI
CSE (AI&ML)	42	YARRAGUNTA TEJA
CSE (AI&ML)	42	YESIREDDY SANDHYA RANI
CSE (AI&ML)	42	BASA BHAVANA DEVI
CSE (AI&ML)	42	DANDUGULA DHANA SEKHAR
CSE (AI&ML)	42	MANGARAJU SURYA ROHITH
CSE (AI&ML)	42	PASUPUREDDY LAXMI PAVAN KUMAR
CSE (AI&ML)	42	SHAIK JANI BASHA
CSE (AI&ML)	42	TANANKI SAMPATH KUMAR



## CERTIFICATE

This is to certify that the project report entitled “**Predicting Sugarcane Yield With Environmental Parameters In Andhra Pradesh Using Machine Learning**” submitted by **Aggunna Bhargavi** in partial fulfillment of the requirements for the award of the degree of **B.Tech** from **Lakireddy Bali Reddy College of Engineering**, is a bonafide record of the work carried out at the **CSIR Fourth Paradigm Institute (CSIR-4PI)**, NAL Belur Campus, Bangalore-37 from 01-05-2024 to 30-09-2024 under my supervision and guidance.

Signature of the Guide  
Name of the Guide  
Designation

Dr. Kantha Rao  
Principal Scientist

Signature of the Convenor, SPARK

National Institute of Technology, Warangal.  
Centre of Excellence  
for

Digital Manufacturing and Automation  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

SIEMENS



3D Engineering

## CERTIFICATE

This is to certify that

**ARIKATLA VENKATA SAI NEHA**

**Roll No. 21761A4202**

(LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING, MYLAVARAM)


has successfully completed Summer Internship Program  
on

**Smart Factory Automation with IoT**

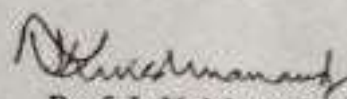
From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-090

Co-Coordinator

  
Prof. S Srinivasa Rao  
CoE for DM & Automation  
NIT, Warangal

Coordinator

  
Prof. L. Krishnanand  
CoE for DM & Automation  
NIT, Warangal



**National Institute of Technology, Warangal.**

**Centre of Excellence**

**for**

**Digital Manufacturing and Automation**

(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

## **CERTIFICATE**

This is to certify that

***AVULA VENKATA RAMYA***

***Roll No. 21761A4203***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-076**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



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**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***B.V.N DURGA VINAY***

***Roll No. 21761A4204***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-081**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





# COURSE CONTENT

## **Automation Laboratory**

- Introduction to Automation & PLC (Programmable Logic Controller).
- Overview of S71200 & TIA (Totally Integrated Automation) Portal.
- Analog value processing using LAD Language.
- Introduction to HMI (Human Machine Interface).

## **Mechatronics Laboratory**

- Introduction to Modular Automation Production Systems, Mechatronics Concept's, Sensor and its types, Motors, Electro Pneumatic, Control panel unit & its elements.
- I/O wiring of PLC S7-1200 and SMPS module, Input/output configuration of MAPS System.
- Blueprint reading of Pneumatic diagram, Electrical diagram of Stations, Creating STEP displacement diagrams of Station.

## **Robotics Laboratory**

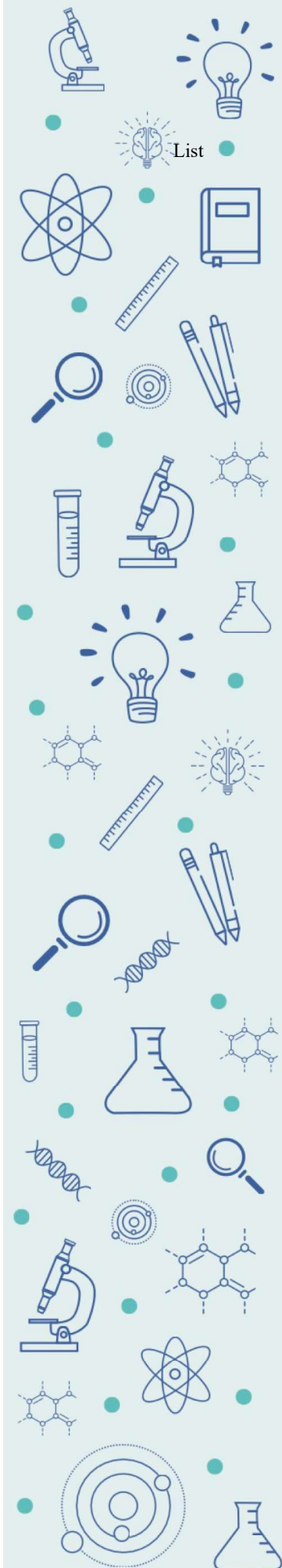
- Robot components with specifications, safety/Precautions, Types of Motion, Coordinate System, Operating Modes & Kinematics.
- Use of Teach pendant, and application of KUKA KR10 & KR210 Robot.

## **Internet of Things Laboratory**

- Introduction to the Internet of Things (IoT), Embedded Systems, Controllers and Processors.
- Introduction to Arduino, Arduino Programming and Tinkercad (Simulator for Arduino) for Hands on Session.
- Introduction to NodeMCU (ESP 8266) and Integration of Sensors and Actuators, Publishing Sensory Data to ThingSpeak.
- AWS – IoT Core Service.
- Introduction to Raspberry Pi, Node-RED, Insights Hub Platform.
- Simulation of various industry cases using Node-RED.
- Overview of Siemens hardware: MindConnect Nano.

## **Smart Factory Laboratory**

- Overview of Smart Factory.
- SCARA and its simulation (DRA Studio).
- Vision & RFID (Inspection), DIR Industrial Robot with hands on experience & its applications.
- Various CNC operations.
- Different communications among stations (PLC Integration), SCADA & HMI.



# Certificate of Participation

This is to certify that

*Bhimavarapu Harshini*

Participated in **6 - Week Internship** in **Artificial Intelligence And Machine Learning Domain** leveraging IBM SkillsBuild platform. The Internship was conducted in collaboration with **Andhra Pradesh State Skill Development Corporation (APSSDC)**, and was implemented by **Edunet Foundation**, from **15<sup>th</sup> May 2024 to 25<sup>th</sup> June 2024**.

Your participation and engagement during the Internship is greatly appreciated.

Nagesh Singh  
Executive Director-  
Edunet Foundation

Sri P. Raja Babu, I.A.S.  
MD & CEO  
APSSDC

Dr. Ravi K. Gujjula  
Chief General Manager  
(Technical) APSSDC

In Collaboration with

**edunet**  
foundation

Implementation Partner



State Partner



## LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

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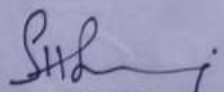
DATE: 15-06-2024

### CERTIFICATE

This is to certify that **Mr. BODDAPATI ABHISHEK RATNAM** S/o **Sri. BODDAPATI RAJA RAO** Regd No: **21761A4206**, Semester III-2 course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled **INTERNET OF THINGS** from **06<sup>TH</sup> MAY '2024** to **15<sup>TH</sup> JUNE '2024**.

We wish him all the best and success.



  
**DIRECTOR**  
**LINEYSHA AND THEVAN**  
**SOFTWARE TECHNOLOGIES**  
**VIJAYAWADA.**



**National Institute of Technology, Warangal.**

**Centre of Excellence**

**for**

**Digital Manufacturing and Automation**

**(A Joint initiative of NIT Warangal and SIEMENS (SISW))**

**SIEMENS**



**3D Engineering**

## **CERTIFICATE**

This is to certify that

***B.KAVYA SAMITHA REDDY***

***Roll No. 21761A4207***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-072**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



**National Institute of Technology, Warangal.**

**Centre of Excellence**

**for**

**Digital Manufacturing and Automation**

(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

## **CERTIFICATE**

This is to certify that

***BOMMINA SURENDRA BABU***

***Roll No. 21761A4208***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

**From 06-05-2024 to 14-06-2024**

**Certificate Number: NITW03201A0524-080**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



#startupindia



**SEGURA INVENDORS Pvt.Ltd**

AICTE ID :CORPORATE646DEE17059311684925975

SI-PTIP-240002

**THIS CERTIFICATE OF APPRECIATION IS AWARDED TO**

**Bonu Pavan Kumar**

**FOR OUTSTANDING CONTRIBUTIONS AS A FULL STACK WEB DEVELOPER DURING  
THEIR PHYSICAL INTERNSHIP AT SEGURA INVENDORS PRIVATE LIMITED FROM  
07/05/2024 TO 20/06/2024.**



**Mr. VENKATA SAI ESHWAR  
MANAGING DIRECTOR  
SEGURA INVENDORS, KAKINADA**



# CERTIFICATE

## OF INTERNSHIP COMPLETION

**This certificate is presented to**

***Budugula Venkata Vamsi***

---

*Successfully Completed INTERNSHIP PROGRAM in “ Artificial Intelligence ”  
from 07 June 2024 TO 07 July 2024.*

A circular purple seal with 'EdVedha Edutech' around the perimeter and a signature in the center.

**Saicharan Morupoju**  
CEO

**CERTIFICATION NUMBER:EMS-214**





# CERTIFICATE OF COMPLETION

**BUDUGULA VENKATA VAMSI**

FOR SUCCESSFULLY COMPLETING 2 MONTHS INTERNSHIP PROGRAM IN  
ARTIFICIAL INTELLIGENCE

FROM 07-05-2024 TO 07-07-2024

THIS PROGRAM WAS CONDUCTED IN COLLABORATION WITH ANDHRA PRADESH STATE  
COUNCIL OF HIGHER AND INTERN STUMP.

EDUCATION (APSCHE) AND MSSQUARE TECHNOLOGIES



SANTOSH  
CEO-MSSQUARE

SARATH  
CEO-INTERN STUMP

Issue Date: 07-07-2024

**National Institute of Technology, Warangal.**

**Centre of Excellence**

**for**

**Digital Manufacturing and Automation**

**(A Joint initiative of NIT Warangal and SIEMENS (SISW))**

**SIEMENS**



**3D Engineering**

## **CERTIFICATE**

This is to certify that

***CHANAMOLU MANOHAR***

***Roll No. 21761A4211***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-089**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





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**for**

**Digital Manufacturing and Automation**  
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**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***CHINTA KARTHIK***

***Roll No. 21761A4212***

*(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)*


has successfully completed Summer Internship Program  
on

***Integration of IIoT in Factory and Process Automation using  
TIA Portal***

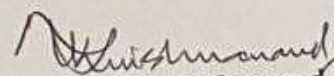
From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-047

Co-Coordinator

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Chintada Lokesh Babu**

has successfully completed internship program offline in **Cyber Security** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4213

Internship ID  
170582204665acc75e1f4da



Academic Head



Director Signature





MINISTRY OF  
CORPORATE  
AFFAIRS  
GOVERNMENT OF INDIA



All India Council for Technical Education  
अभियंता मंत्रालय तकनीकी शिक्षा परिषद

## LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

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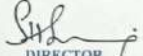
DATE: 15-06-2024

### CERTIFICATE

This is to certify that **Mr. CHIPPALA PREM CHAND S/o Sri. CHIPPALA SRINIVASA RAO** Regd No: 21761A4214, Semester III-2 course **BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled **INTERNET OF THINGS** from 06<sup>TH</sup> MAY '2024 to 15<sup>TH</sup> JUNE '2024.

We wish him all the best and success.



  
DIRECTOR  
LINEYSHA AND THEVAN  
SOFTWARE TECHNOLOGIES  
VIJAYAWADA.



III Floor, Varun Motors Building, Near Benz Circle, Vijayawada - 520010  
Ph. No: 8247252626, 8977144333 email: [itssoftwaretechno2019@gmail.com](mailto:itssoftwaretechno2019@gmail.com) [www.itssoftwaretechnologies.com](http://www.itssoftwaretechnologies.com)



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Ch.Daniel Jason**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4215

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Chunchu Jyothirmai**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4216

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Karthik Darelli**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4217

Internship ID  
171359385766235e016101f



Academic Head



Director Signature

**National Institute of Technology, Warangal.**  
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for

**Digital Manufacturing and Automation**  
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**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***DIGUMARTHI SRILIKHITHA***

***Roll No. 21761A4218***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-092**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





# LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

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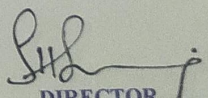
DATE: 15-06-2024

## CERTIFICATE

This is to certify that **Mr. EJJIGANI RAMESH S/o Sri. EJJIGANI HANUMA** Regd No: **21761A4219**, Semester **III-2** course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled **INTERNET OF THINGS** from **06<sup>TH</sup> MAY '2024** to **15<sup>TH</sup> JUNE '2024**.

We wish him all the best and success.



  
**DIRECTOR**  
**LINEYSHA AND THEVAN**  
**SOFTWARE TECHNOLOGIES**  
**VIJAYAWADA.**



## CERTIFICATE

This is to certify that the project report entitled “**Predicting Sugarcane Yield With Environmental Parameters In Andhra Pradesh Using Machine Learning**” submitted by **Gajula Hema Naga Sri** in partial fulfillment of the requirements for the award of the degree of **B.Tech** from **Lakireddy Bali Reddy College of Engineering**, is a bonafide record of the work carried out at the **CSIR Fourth Paradigm Institute (CSIR-4PI)**, NAL Belur Campus, Bangalore-37 from 01-05-2024 to 30-09-2024 under my supervision and guidance.

Signature of the Guide  
Name of the Guide  
Designation

Dr. Kantharao  
Principal Scientist

Signature of the Convenor, SPARK



**National Institute of Technology, Warangal.**  
**Centre of Excellence**  
**for**

**Digital Manufacturing and Automation**  
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**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***GOPIKANTH TIRUMANI***

***Roll No. 21761A4221***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-086**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



**National Institute of Technology, Warangal.**  
Centre of Excellence  
for

**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***HARSH J SHAH***

***Roll No. 21761A4222***

*(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)*

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-075

Co-Coordinator

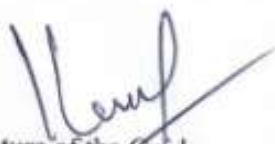
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal

## CERTIFICATE

This is to certify that the project report entitled **"Predicting Sugarcane Yield With Environmental Parameters In Andhra Pradesh Using Machine Learning"** submitted by **Jadam Harika** in partial fulfillment of the requirements for the award of the degree of **B.Tech** From **Lakireddy Bali Reddy College of Engineering**, is a bonafide record of the work carried out at the **CSIR Fourth Paradigm Institute (CSIR-4PI)**, NAL Belur Campus, Bangalore-37 from from 01-05-2024 to 30-09-2024 under my supervision and guidance.



Signature of the Guide  
Name of the Guide  
Designation

Dr. Kantha Rao  
principal scientist



Signature of the Convenor, SPARK



**National Institute of Technology, Warangal.**  
**Centre of Excellence**  
**for**

**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***JONNADULA MALLESWARI***

***Roll No. 21761A4224***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

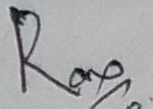
has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

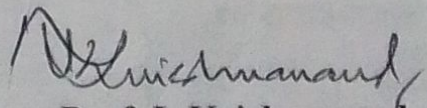
From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-084**

**Co-Coordinator**

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Vignesh Chowdary Kakani**

has successfully completed internship program in **Machine Learning**  
from 01st May, 2024 to 15th Jun, 2024. During the internship, the student  
was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4225

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



#startupindia



**SEGURA INVENDORS Pvt.Ltd**

AICTE ID :CORPORATE646DEE17059311684925975

SI-PTIP-240001

**THIS CERTIFICATE OF COMPLETION IS TO CERTIFY THAT**

**Kanneboina Sai Lakshmi**

**HAS SUCCESSFULLY COMPLETED THE PHYSICAL INTERNSHIP AS A FULL  
STACK WEB DEVELOPER AT SEGURA INVENDORS PRIVATE LIMITED FROM  
07/05/2024 TO 20/06/2024. HE/SHE HAVE DEMONSTRATED EXCEPTIONAL  
DEDICATION AND SKILL IN COMPLETING THEIR ASSIGNED PROJECT.**



**Mr. VENKATA SAI ESHWAR  
MANAGING DIRECTOR  
SEGURA INVENDORS, KAKINADA**



# Certificate of Completion

This is to certify that

*Kanumarla Mohith Vivekananda*

Successfully completed **6 - Week Internship** in **Artificial Intelligence & Machine Learning Domain** leveraging IBM SkillsBuild platform. The Internship was conducted in collaboration with **Andhra Pradesh State Skill Development Corporation (APSSDC)**, and was implemented by **Edunet Foundation**, from **15<sup>th</sup> May 2024 to 25<sup>th</sup> June 2024**.

Your participation and engagement during the Internship is greatly appreciated.



Nagesh Singh  
Executive Director-  
Edunet Foundation



Dr. Ravi K. Gujjula  
CGM -Technical  
APSSDC



Sri P. Raja Babu I.A.S  
MD & CEO  
APSSDC

In Collaboration with

**edunet**  
foundation

Implementation Partner



State Partner



# Certificate of Completion

This is to certify that

*Karna Bhargava*

Successfully completed **6 - Week Internship** in **Artificial Intelligence And Machine Learning** leveraging IBM SkillsBuild platform. The Internship was conducted in collaboration with **Andhra Pradesh State Skill Development Corporation (APSSDC)**, and was implemented by **Edunet Foundation**, from **15<sup>th</sup> May 2024 to 25<sup>th</sup> June 2024**.

Your participation and engagement during the Internship is greatly appreciated.



Nagesh Singh  
Executive Director-  
Edunet Foundation



Sri P. Raja Babu, I.A.S.  
MD & CEO  
APSSDC



Dr. Ravi K. Gujjula  
Chief General Manager  
(Technical) APSSDC

In Collaboration with

**edunet**  
foundation

Implementation Partner



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for  
**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



3D Engineering

## CERTIFICATE

This is to certify that

***KARUKONDA VARUN TEJA***

***Roll No. 21761A4229***

*(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)*

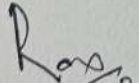
has successfully completed Summer Internship Program  
on

***Integration of IIoT in Factory and Process Automation using  
TIA Portal***

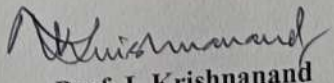
From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-051

Co-Coordinator

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



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Centre of Excellence  
for  
**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**CERTIFICATE**

This is to certify that

***KETHANABOINA SRINIVASULU***

***Roll No. 21761A4230***

*(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)*

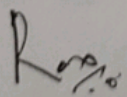
has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

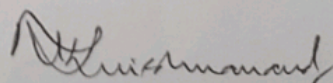
From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-082

Co-Coordinator

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





**M** MINISTRY OF  
**C** CORPORATE  
**A** AFFAIRS  
GOVERNMENT OF INDIA



**MEME**  
Ministry of MEME, Govt. of India



All India Council for Technical Education  
अखिल भारतीय तकनीकी शिक्षा परिषद्

# LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

Registered by Ministry of Corporate Affairs, Govt. Of India

DATE: 15-06-2024

## CERTIFICATE

This is to certify that **Mr. KOLA ARAVIND S/o Sri. KOLA SRINIVASA RAO** Regd No: **21761A4231**, Semester III-2 course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled **INTERNET OF THINGS** from 06<sup>TH</sup> MAY '2024 to 15<sup>TH</sup> JUNE '2024.

We wish him all the best and success.



  
DIRECTOR

LINEYSHA AND THEVAN  
SOFTWARE TECHNOLOGIES  
VIJAYAWADA.



III Floor, Varun Motors Building, Near Benz Circle, Vijayawada – 520010

Ph. No: 8247252626, 8977144333 email: [ltsoftwaretechno2019@gmail.com](mailto:ltsoftwaretechno2019@gmail.com) [www.ltsoftwaretechnologies.com](http://www.ltsoftwaretechnologies.com)





# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Komme Tarun Sai**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4232

Internship ID  
171359385766235e016101f



Academic Head



Director Signature

**National Institute of Technology, Warangal.**  
**Centre of Excellence**  
**for**

**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***KOTAPATI SRAVANTHI***

***Roll No. 21761A4233***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***


has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

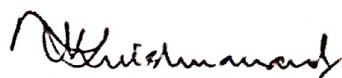
From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-078**

Co-Coordinator

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Maddala. Naveen Sarkar**

has successfully completed internship program in **Machine Learning**  
from 01st May, 2024 to 15th Jun, 2024. During the internship, the student  
was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4234

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



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CORPORATE  
AFFAIRS**  
GOVERNMENT OF INDIA



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Ministry of MSME, Govt. of India



All India Council for Technical Education  
अखिल भारतीय तकनीकी शिक्षा परिषद्

# LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

Registered by Ministry of Corporate Affairs, Govt. Of India

DATE: 15-06-2024

## CERTIFICATE

This is to certify that **Mr. MANUKONDA DINESH S/o Sri. MANUKONDA NARASIMHARAO** Regd No: **21761A4235**, Semester III-2 course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERSHIP (AICTE – ID No: 17188575506673af4ef3432)** titled **INTERNET OF THINGS** from **06<sup>TH</sup> MAY '2024** to **15<sup>TH</sup> JUNE '2024**.

We wish him all the best and success.

**DIRECTOR**



III Floor, Varun Motors Building, Near Benz Circle, Vijayawada – 520010  
Ph. No: 8247252626, 8977144333 email: [ltsoftwaretechno2019@gmail.com](mailto:ltsoftwaretechno2019@gmail.com) [www.ltsoftwaretechnologies.com](http://www.ltsoftwaretechnologies.com)



## CERTIFICATE

This is to certify that the project report entitled **“Predicting Sugarcane Yield With Environmental Parameters In Andhra Pradesh Using Machine Learning”** submitted by **Mariseti Vagdevi** in partial fulfillment of the requirements for the award of the degree of **B.Tech** from **Lakireddy Bali Reddy College of Engineering**, is a bonafide record of the work carried out at the **CSIR Fourth Paradigm Institute (CSIR-4PI)**, NAL Belur Campus, Bangalore-37 from from 01-05-2024 to 30-09-2024 under my supervision and guidance.

Signature of the Guide  
Name of the Guide  
Designation

Dr. Kantha Rao  
Principal Scientist

Signature of the Convenor, SPARK



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Mattapalli Gopiraju**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4237

Internship ID  
171359385766235e016101f



Academic Head



Director Signature





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GOVERNMENT OF INDIA



All India Council for Technical Education  
अखिल भारतीय तकनीकी शिक्षा परिषद्

## LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

Registered by Ministry of Corporate Affairs, Govt. Of India

DATE: 15-06-2024

### CERTIFICATE

This is to certify that Mr. **METTU BHARATH KUMAR** S/o Sri. **METTU SRINIVASA RAO** Regd No: **21761A4238**, Semester III-2 course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled **INTERNET OF THINGS** from **06<sup>TH</sup> MAY '2024** to **15<sup>TH</sup> JUNE '2024**.

We wish him all the best and success.



  
DIRECTOR

LINEYSHA AND THEVAN  
SOFTWARE TECHNOLOGIES  
VIJAYAWADA.



III Floor, Varun Motors Building, Near Benz Circle, Vijayawada – 520010  
Ph. No: 8247252626, 8977144333 email: [ltsoftwaretechno2019@gmail.com](mailto:ltsoftwaretechno2019@gmail.com) [www.ltsoftwaretechnologies.com](http://www.ltsoftwaretechnologies.com)



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Mohammed Hidayatulla**

has successfully completed internship program offline in **Machine Learning** from  
01st May, 2024 to 15th Jun, 2024. During the internship, the student  
was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4239

Internship ID  
171359385766235e016101f



Academic Head



Director Signature





MINISTRY OF  
CORPORATE  
AFFAIRS  
GOVERNMENT OF INDIA



All India Council for Technical Education  
अखिल भारतीय तकनीकी शिक्षा परिषद्

# LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

Registered by Ministry of Corporate Affairs, Govt. Of India

DATE: 15-06-2024

## CERTIFICATE

This is to certify that **Mr. MORLA PRAKASH S/o Sri. MORLA GOPA RAJU** Regd No: **21761A4240**, Semester III-2 course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled **INTERNET OF THINGS** from **06<sup>TH</sup> MAY '2024 to 15<sup>TH</sup> JUNE '2024**.

We wish him all the best and success.



  
DIRECTOR

LINEYSHA AND THEVAN  
SOFTWARE TECHNOLOGIES  
VIJAYAWADA.



III Floor, Varun Motors Building, Near Benz Circle, Vijayawada – 520010

Ph. No: 8247252626, 8977144333 email: [ltsoftwaretechno2019@gmail.com](mailto:ltsoftwaretechno2019@gmail.com) [www.ltsoftwaretechnologies.com](http://www.ltsoftwaretechnologies.com)



# Certificate of Completion

This is to certify that

*Munnangi Harsha Vardhan Reddy*

Successfully completed **6 - Week Internship** in **Artificial Intelligence And Machine Learning** leveraging IBM SkillsBuild platform. The Internship was conducted in collaboration with **Andhra Pradesh State Skill Development Corporation (APSSDC)**, and was implemented by **Edunet Foundation**, from **15<sup>th</sup> May 2024 to 25<sup>th</sup> June 2024**.

Your participation and engagement during the Internship is greatly appreciated.



Nagesh Singh  
Executive Director-  
Edunet Foundation



Sri P. Raja Babu, I.A.S.  
MD & CEO  
APSSDC



Dr. Ravi K. Gujjula  
Chief General Manager  
(Technical) APSSDC

In Collaboration with

**edunet**  
foundation

Implementation Partner



State Partner





# LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

Registered by Ministry of Corporate Affairs, Govt. Of India


DATE: 15-06-2024

## CERTIFICATE

This is to certify that **Mr. NAGULA RAJESH S/o Sri. NAGULA SRINIVASA RAO** Regd No: **21761A4242**, Semester III-2 course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled **INTERNET OF THINGS** from **06<sup>TH</sup> MAY '2024** to **15<sup>TH</sup> JUNE '2024**.

We wish him all the best and success.



  
**DIRECTOR**  
**LINEYSHA AND THEVAN  
SOFTWARE TECHNOLOGIES**  
**VIJAYAWADA.**





# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Mokshagna Pandipati**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4243

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



**National Institute of Technology, Warangal.**  
**Centre of Excellence**

**for**  
**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



## **CERTIFICATE**

This is to certify that

***PEKETI SRI SHYAM MANOHAR***

***Roll No. 21761A4244***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***


has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

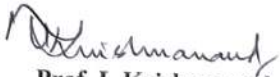
***From 06-05-2024 to 14-06-2024***

**Certificate Number: NITW03201A0524-083**

Co-Coordinator

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



# LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

Registered by Ministry of Corporate Affairs, Govt. Of India

DATE: 15-06-2024

## CERTIFICATE

This is to certify that **Mr. RAAVI PURNA SATYA KUMAR S/o Sri. RAAVI KOTESWARA RAO** Regd No: 21761A4245,  
Semester III-2 course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of  
**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled  
**INTERNET OF THINGS** from 06<sup>TH</sup> MAY '2024 to 15<sup>TH</sup> JUNE '2024.

We wish him all the best and success.



  
DIRECTOR  
LINEYSHA AND THEVAN  
SOFTWARE TECHNOLOGIES  
VIJAYAWADA.



III Floor, Varun Motors Building, Near Benz Circle, Vijayawada – 520010

Ph. No: 8247252626, 8977144333 email: [itssoftwaretechno2019@gmail.com](mailto:itssoftwaretechno2019@gmail.com) [www.itssoftwaretechnologies.com](http://www.itssoftwaretechnologies.com)





**PERSONIFYWY**

# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Ramala Haritha**

has successfully completed internship program offline in **Artificial Intelligence** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.  
College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4246

Internship ID  
1712044237660bb8cd11a01



Academic Head



Director Signature



# CERTIFICATE

## OF INTERNSHIP COMPLETION

**This certificate is presented to**

***Sadhula Ranganathan***

---

*Successfully Completed INTERNSHIP PROGRAM in “Artificial Intelligence”  
from 07 June 2024 TO 07 July 2024.*



**Saicharan Morupoju**  
CEO

**CERTIFICATION NUMBER:EMS-213**



# CERTIFICATE

## OF INTERNSHIP COMPLETION

**This certificate is presented to**

***Sakalabhakthula Krishnababu***

*Successfully Completed INTERNSHIP PROGRAM in “ Artificial Intelligence ”  
from 07 June 2024 TO 07 July 2024.*

A circular purple seal for EdVedha Edutech is positioned above the CEO's name. It contains the text 'EdVedha Edutech' around the top and 'Vedha' in the center, with a stylized signature over it.

**Saicharan Morupoju**  
CEO

**CERTIFICATION NUMBER:EMS-217**



**National Institute of Technology, Warangal.**  
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for

**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**CERTIFICATE**

This is to certify that

***SANAM ROHITH RAJ***

***Roll No. 21761A4249***

*(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)*

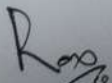
has successfully completed Summer Internship Program  
on

***Integration of IIoT in Factory and Process Automation using  
TIA Portal***

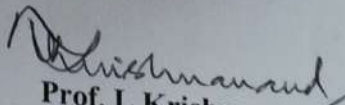
From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-050

Co-Coordinator

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



**National Institute of Technology, Warangal.**

**Centre of Excellence**

**for**

**Digital Manufacturing and Automation**

**(A Joint initiative of NIT Warangal and SIEMENS (SISW))**

**SIEMENS**



**3D Engineering**

## **CERTIFICATE**

This is to certify that

***SEELAM HANEISH KUMAR***

***Roll No. 21761A4250***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Industrial Internet of Things in Automation and Mechatronics***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-096**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Shaik. Farhan Mahidi**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4251

Internship ID  
171359385766235e016101f



Academic Head



Director Signature





**MINISTRY OF  
CORPORATE  
AFFAIRS**  
GOVERNMENT OF INDIA



**MSME**  
Ministry of MSME, Govt. of India



All India Council for Technical Education  
अखिल भारतीय तकनीकी शिक्षा परिषद्

# LINEYSHA AND THEVAN SOFTWARE TECHNOLOGIES

Registered by Ministry of Corporate Affairs, Govt. Of India


DATE: 15-06-2024

## CERTIFICATE

This is to certify that **Mr. SHAIK AKRAM S/o Sri. SHAIK KAREEM** Regd No: **21761A4252**, Semester III-2 course **BACHELOR OF TECHNOLOGY – COMPUTER SCIENCE AND ENGINEERING (AI & ML)**, student of **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM**, has successfully done the **INTERNSHIP** titled **INTERNET OF THINGS** from **06<sup>TH</sup> MAY '2024** to **15<sup>TH</sup> JUNE '2024**.

We wish him all the best and success.



  
**DIRECTOR**  
**LINEYSHA AND THEVAN**  
**SOFTWARE TECHNOLOGIES**  
**VIJAYAWADA.**





**National Institute of Technology, Warangal.**  
**Centre of Excellence**  
**for**

**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***SHAIK RAHIM***

***Roll No. 21761A4253***

*(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)*

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-093

Co-Coordinator

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





# Certificate of Completion

This is to certify that

*Shaik Rasool Basha*

Successfully completed **6 - Week Internship** in **Artificial Intelligence & Machine Learning Domain** leveraging IBM SkillsBuild platform. The Internship was conducted in collaboration with **Andhra Pradesh State Skill Development Corporation (APSSDC)**, and was implemented by **Edunet Foundation**, from **15<sup>th</sup> May 2024 to 25<sup>th</sup> June 2024**.

Your participation and engagement during the Internship is greatly appreciated.



Nagesh Singh  
Executive Director-  
Edunet Foundation



Dr. Ravi K. Gujjula  
CGM -Technical  
APSSDC



Sri P. Raja Babu I.A.S  
MD & CEO  
APSSDC

In Collaboration with

**edunet**  
foundation

Implementation Partner



State Partner



# BIST Technologies Private Limited

Door No:33-21-4, First Floor, Seetharampuram Signals, Eluru Road, Vijayawada-520002

## Certificate Of Internship

This is to Certify that “Sirajuddin Shaik“, Roll Number: 21761A4255, pursuing B.Tech at “Lakireddy Balireddy College of Engineering”, has Successfully Completed the Short-Term Industrial Internship on “Machine Learning” at BIST Technologies Private Limited, from 01/05/2024 to 15/06/2024.

*R Upendar Rao*

R Upendar Rao  
Director

DIN NO:10252403







# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Soma Manasa**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4256

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



**National Institute of Technology, Warangal.**  
Centre of Excellence  
for

**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***SOMEPELLI HIMABINDU***

***Roll No. 21761A4257***

*(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)*

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-074

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Somisetty Poojitha**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4258

Internship ID  
171359385766235e016101f



Academic Head



Director Signature





# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Syed Hummera Kausar**

has successfully completed internship program offline in **Machine Learning**  
from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was  
found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4259

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



**National Institute of Technology, Warangal.**

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**for**

**Digital Manufacturing and Automation**

**(A Joint initiative of NIT Warangal and SIEMENS (SISW))**

**SIEMENS**



**3D Engineering**

## **CERTIFICATE**

This is to certify that

***SUBRAHMANYAM TALLURI***

***Roll No. 21761A4260***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-094**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Tummala Jaya Vardhan**

has successfully completed internship program in **Machine Learning**  
from 01st May, 2024 to 15th Jun, 2024. During the internship, the student  
was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4261

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



**National Institute of Technology, Warangal.**

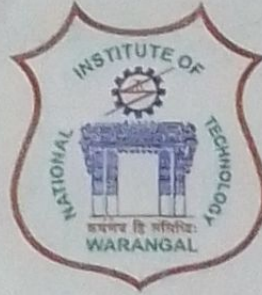
**Centre of Excellence**

**for**

**Digital Manufacturing and Automation**

(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

## **CERTIFICATE**

This is to certify that

***VASIREDDY AARYA CHOWDARY***

***Roll No. 21761A4262***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-085**

**Co-Coordinator**

**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal



**National Institute of Technology, Warangal.**  
Centre of Excellence  
for

**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***VENNA AAKASH REDDY***

***Roll No. 21761A4263***

*(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)*


has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

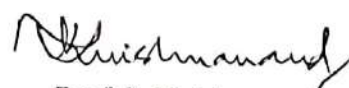
From 06-05-2024 to 14-06-2024

Certificate Number: NITW03201A0524-073

Co-Coordinator

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

Coordinator

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





# COURSE CONTENT

## Automation Laboratory

- Introduction to Automation & PLC (Programmable Logic Controller).
- Overview of S71200 & TIA (Totally Integrated Automation) Portal.
- Analog value processing using LAD Language.
- Introduction to HMI (Human Machine Interface).

## Mechatronics Laboratory

- Introduction to Modular Automation Production Systems, Mechatronics Concept's, Sensor and its types, Motors, Electro Pneumatic, Control panel unit & its elements.
- I/O wiring of PLC S7-1200 and SMPS module, Input/output configuration of MAPS System.
- Blueprint reading of Pneumatic diagram, Electrical diagram of Stations, Creating STEP displacement diagrams of Station.

## Robotics Laboratory

- Robot components with specifications, safety/Precautions, Types of Motion, Coordinate System, Operating Modes & Kinematics.
- Use of Teach pendant, and application of KUKA KR10 & KR210 Robot.

## Internet of Things Laboratory

- Introduction to the Internet of Things (IoT), Embedded Systems, Controllers and Processors.
- Introduction to Arduino, Arduino Programming and Tinkercad (Simulator for Arduino) for Hands on Session.
- Introduction to NodeMCU (ESP 8266) and Integration of Sensors and Actuators, Publishing Sensory Data to ThingSpeak.
- AWS – IoT Core Service.
- Introduction to Raspberry Pi, Node-RED, Insights Hub Platform.
- Simulation of various industry cases using Node-RED.
- Overview of Siemens hardware: MindConnect Nano.

## Smart Factory Laboratory

- Overview of Smart Factory.
- SCARA and its simulation (DRA Studio).
- Vision & RFID (Inspection), DIR Industrial Robot with hands on experience & its applications.
- Various CNC operations.
- Different communications among stations (PLC Integration), SCADA & HMI.



# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Yalamanchili Jahnvi Sri**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
21761A4264

Internship ID  
171359385766235e016101f



Academic Head



Director Signature





# Certificate of Completion

This is to certify that

*Teja Yarragunta*

Successfully completed **6 - Week Internship** in **Artificial Intelligence & Machine Learning Domain** leveraging IBM SkillsBuild platform. The Internship was conducted in collaboration with **Andhra Pradesh State Skill Development Corporation (APSSDC)**, and was implemented by **Edunet Foundation**, from **15<sup>th</sup> May 2024 to 25<sup>th</sup> June 2024**.

Your participation and engagement during the Internship is greatly appreciated.



Nagesh Singh  
Executive Director-  
Edunet Foundation



Dr. Ravi K. Gujjula  
CGM -Technical  
APSSDC



Sri P. Raja Babu I.A.S  
MD & CEO  
APSSDC

In Collaboration with

**edunet**  
foundation

Implementation Partner



State Partner

## Internship Certificate

<b>National Institute of Technology, Warangal.</b> Centre of Excellence for <b>Digital Manufacturing and Automation</b> (A Joint initiative of NIT Warangal and SIEMENS (SISW))		
<b>SIEMENS</b>		 3D Engineering
<b>CERTIFICATE</b>		
This is to certify that		
<b><i>YESIREDDY SANDHYA RANI</i></b>		
<b><i>Roll No. 21761A4266</i></b>		
<i>(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)</i>		
has successfully completed Summer Internship Program on		
<b><i>Smart Factory Automation with IoT</i></b>		
From 06-05-2024 to 14-06-2024		
Certificate Number: NITW03201A0524-077		
<u>Co-Coordinator</u>  <b>Prof. S Srinivasa Rao</b> CoE for DM & Automation NIT, Warangal	<u>Coordinator</u>  <b>Prof. L Krishnanand</b> CoE for DM & Automation NIT, Warangal	P.T.O.





# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Basa Bhavana Devi**

has successfully completed internship program offline in **Machine Learning** from 01st May, 2024 to 15th Jun, 2024. During the internship, the student was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
22765A4201

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



# BIST Technologies Private Limited

Door No:33-21-4, First Floor, Seetharampuram Signals, Eluru Road, Vijayawada-520002

## Certificate Of Internship

This is to Certify that “Dandugula Dhana Sekhar”, Roll Number: 22765A4202, pursing B.Tech at “Lakireddy Balireddy College of Engineering”, has Successfully Completed the Short-Term Industrial Internship on “Machine Learning” at BIST Technologies Private Limited, from 01/05/2024 to 15/06/2024.

  
R Upendar Rao  
Director  
DIN NO:10252403







**NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL**  
**CENTRE FOR TRAINING AND LEARNING**

*established under the Scheme of PMMMNMTT, Min. of Education, Govt. of India*



## *Certificate*

This is to certify that Mangaraju Surya Lohith  
of Lakireddy Balireddy College of Engineering  
has actively participated in the One-month Summer Internship Program on  
"AIoT and its Applications", from 20/05/2024 to 20/06/2024 organized by the  
Centre for Training and Learning, National Institute of Technology Warangal,  
in collaboration with Boeing India Pvt. Ltd. during 20<sup>th</sup> May - 20<sup>th</sup> June, 2024.

Sri Mohemmed Ansari  
Senior Manager  
Boeing India Pvt Ltd

Prof. T. Kishore Kumar  
Head, CTL

Prof. Bidyadhar Subudhi  
Director, NITW

**National Institute of Technology, Warangal.**  
Centre of Excellence  
for

**Digital Manufacturing and Automation**  
(A Joint initiative of NIT Warangal and SIEMENS (SISW))

**SIEMENS**



**3D Engineering**

**CERTIFICATE**

This is to certify that

***P.LAXMI PAVAN KUMAR***

***Roll No. 22765A4204***

***(LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM)***

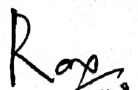
has successfully completed Summer Internship Program  
on

***Smart Factory Automation with IoT***

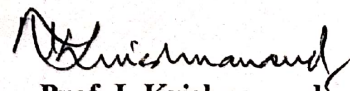
From 06-05-2024 to 14-06-2024

**Certificate Number: NITW03201A0524-091**

**Co-Coordinator**

  
**Prof. S Srinivasa Rao**  
CoE for DM & Automation  
NIT, Warangal

**Coordinator**

  
**Prof. L Krishnanand**  
CoE for DM & Automation  
NIT, Warangal





# INTERNSHIP CERTIFICATE

THIS IS TO CERTIFY THAT

**Shaik Jani Basha**

has successfully completed internship program in **Machine Learning**  
from 01st May, 2024 to 15th Jun, 2024. During the internship, the student  
was found to be dedicated, hardworking and diligent.

College: Lakireddy Balireddy College of Engineering, Mylavaram

Student ID  
22765A4205

Internship ID  
171359385766235e016101f



Academic Head



Director Signature



# BIST Technologies Private Limited

Door No:33-21-4, First Floor, Seetharampuram Signals, Eluru Road, Vijayawada-520002

## Certificate Of Internship

This is to Certify that “Tanaki Sampath Kumar“, Roll Number: 22765A4206, pursuing B.Tech at “Lakireddy Balireddy College of Engineering”, has Successfully Completed the Short-Term Industrial Internship on “Machine Learning” at BIST Technologies Private Limited, from 01/05/2024 to 15/06/2024.

  
R Upendar Rao  
Director  
DIN NO:10252403

