2.3.1 - Student-centric methods such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences:

Certainly. "Indeed, the institution employs a student-centered teaching and learning approach to enhance the overall learning experience, fostering the development of self-reliant learners as they progress through their academic journey. The curriculum incorporates various pedagogical strategies, such as autonomous learning, project-based learning, and experiential learning, as previously outlined in the AQAR report for 2020-2021, across multiple courses. In the academic year 2022-2023, notable strides have been made in advancing the student-centered learning ecosystem on campus with the following strategies."

To realize these educational methodologies, the institution has established numerous Memoranda of Understanding (MoUs) with companies such as Demy Software Solutions, Clicks Campus, CEMS, Vihaan Electrix, and others. These partnerships promote experiential learning, offering learners opportunities to engage in projects and receive training within industries. This practical exposure has visibly enhanced their problem-solving abilities

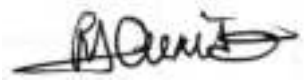
Enhanced self-directed learning outcomes are achieved through the inclusion of online certification courses in the curriculum, which are credited toward the program. Furthermore, students have the option of transferring credits from NPTEL certification courses

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
2.3.LIST OF ONLINE CERTIFICATIONS (AY 2022-2023)

Roll No.	Name of the Student	Name of the Course	Duration (Hours)	Learning Platform
19NU1A0201	BOBBILI VARSHINI SIVA SANTHOSHI	Data Science	30	Board Infinity
19NU1A0202	CHELLUBOINA HARI SATYA TEJA	Data Science	30	Board Infinity
19NU1A0203	JONNADA SATYA	Data Science	30	Board Infinity
19NU1A0204	KALLA HARSHAVARDHAN	Data Science	30	Board Infinity
19NU1A0205	KANCHIPATI PRASAD	Data Science	30	Board Infinity
19NU1A0207	KOPPOJU SAI BRAHMAJI	Data Science	30	Board Infinity
19NU1A0208	LENKA DINESH MANIKANTA	Data Science	30	Board Infinity
19NU1A0210	PAVADA ANIL KUMAR	Data Science	30	Board Infinity
19NU1A0211	REDDIPALLI HIMANSHU	Data Science	30	Board Infinity
19NU1A0213	SRIKAKULAPU CHINNI HARISH	Data Science	30	Board Infinity
20NU5A0201	ADARI VARAHA VENKATA JAGADEESWARAMMA	Data Science	30	Board Infinity
20NU5A0202	AINAMPUDI NARENDRA VARMA	Data Science	30	Board Infinity
20NU5A0203	BALIBANI PAVAN KUMAR	Data Science	30	Board Infinity
20NU5A0204	BODIREDDY CHANDRA SEKHAR REDDY	Data Science	30	Board Infinity
20NU5A0205	BOIDA VIJAYA KUMAR	Data Science	30	Board Infinity
20NU5A0206	CHODIPILLI VENKATA SATYA MADHU	Data Science	30	Board Infinity
20NU5A0207	CHUKKALA SRINU	Data Science	30	Board Infinity
20NU5A0208	DARIMISETTI MOULI	Data Science	30	Board Infinity
20NU5A0209	KAMPARA VENI SRI	Data Science	30	Board Infinity
20NU5A0210	KANDREGULA JAYANTH	Data Science	30	Board Infinity
20NU5A0211	KATIPALLI AJAY KUMAR	Data Science	30	Board Infinity
20NU5A0212	KUNDRAPU ANUSHA	Data Science	30	Board Infinity
20NU5A0213	MIRTHIPATI GANESH KUMAR	Data Science	30	Board Infinity
20NU5A0214	MYLAPALLI RAMESH	Data Science	30	Board Infinity
20NU5A0215	PATIBANDLA BOAZ RAJU	Data Science	30	Board Infinity
20NU5A0216	SATYAVARAPU DURGA TARUN	Data Science	30	Board Infinity

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Sl.No	Name of the Student	Name of the Course	Duration (Hours)	Learning Platform
1	DIVYA ADAPUREDDI	CORE JAVA	42 hours	INTERNSHALA
2	A.BHAGAT	CORE JAVA	42 hours	INTERNSHALA
3	ALLA POLI VINAY	CORE JAVA	42 hours	INTERNSHALA
4	APPIKONDA ASWINI	CORE JAVA	42 hours	INTERNSHALA
5	CHAPPA CHUDAMANI	CORE JAVA	42 hours	INTERNSHALA
6	CHINTHALA JANANI	CORE JAVA	42 hours	INTERNSHALA
7	DHAMMU DINESH	CORE JAVA	42 hours	INTERNSHALA
8	GOLLAVILLI MANI DEEPAK	CORE JAVA	42 hours	INTERNSHALA
9	G.SRINIVAS	CORE JAVA	42 hours	INTERNSHALA
10	G.DIVYA	CORE JAVA	42 hours	INTERNSHALA
11	ITHAMSETTY JANARDHAN KUMAR	CORE JAVA	42 hours	INTERNSHALA
12	JAKKANA ASHOK	CORE JAVA	42 hours	INTERNSHALA
13	K VAMSI KRISHNA	CORE JAVA	42 hours	INTERNSHALA
14	KARAKA REVATHI	CORE JAVA	42 hours	INTERNSHALA
15	K. D. SAI CHARAN	CORE JAVA	42 hours	INTERNSHALA
16	KENGUVA UMA MAHESWAR	CORE JAVA	42 hours	INTERNSHALA
17	MIRTHIPATI LOKESH	CORE JAVA	42 hours	INTERNSHALA
18	NAKKELLA DIVYA	CORE JAVA	42 hours	INTERNSHALA
19	NIRUJOGI RAMESH	CORE JAVA	42 hours	INTERNSHALA
20	PEMMADI UDAY SRININVAS	CORE JAVA	42 hours	INTERNSHALA
21	P YERNI BABY	CORE JAVA	42 hours	INTERNSHALA
22	SALAPU VASANTHI	CORE JAVA	42 hours	INTERNSHALA
23	SIMMA YUGANDHAR	CORE JAVA	42 hours	INTERNSHALA
24	Y.NAGA SOWMYA SREE	CORE JAVA	42 hours	INTERNSHALA
25	B PRIYANKA	CORE JAVA	42 hours	INTERNSHALA
26	B RAKESH	CORE JAVA	42 hours	INTERNSHALA
27	DHARMANA VENKATA SAI RAKESH	CORE JAVA	42 hours	INTERNSHALA
28	D. SINDHUSHA	CORE JAVA	42 hours	INTERNSHALA
29	G NISHANK BABA	CORE JAVA	42 hours	INTERNSHALA
30	K. N J LOKESH VARMA	CORE JAVA	42 hours	INTERNSHALA
31	NEELAPU. CHARANKUMAR REDDY	CORE JAVA	42 hours	INTERNSHALA
32	P.SAI VENKATA TEJA	CORE JAVA	42 hours	INTERNSHALA



HOD

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MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

VARSHINI BOBBILI

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1427695

07/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard Included

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Certificate Details

Candidate Name	Varshini Bobbili
Assessment/Course Name	Data science for the Beginners
Date of Issue	07/03/2023
Certification ID	FSP/2023/3/1427695
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1427695

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

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GOLD

CERTIFICATE

This is to certify that

HARI SATYA TEJA CHELLUBOINA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1426743

07/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard Included

futureskills prime

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Certificate Details

Candidate Name	Hari Satya Teja Chelluboina
Assessment/Course Name	Data science for the Beginners
Date of Issue	07/03/2023
Certification ID	FSP/2023/3/1426743
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1426743

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	80.00	80.00
Total		100.00	80.00	80.00

GOLD

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GOLD

CERTIFICATE

This is to certify that

JONNADA SATYA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1424039

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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Certificate Details

Candidate Name	Jonnada Satya
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1424039
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1424039

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	80.00	80.00
Total		100.00	80.00	80.00

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GOLD

CERTIFICATE

This is to certify that

HARSHA VARDHAN KALLA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1417024

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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Certificate Details

Candidate Name	Harsha Vardhan Kalla
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1417024
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1417024

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

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CERTIFICATE

This is to certify that

KANCHIPATI PRASAD

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

PSP/2023/3/1413477

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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Certificate Details

Candidate Name	Kanchipati Prasad
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1413477
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1413477

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

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CERTIFICATE

This is to certify that

KOPPOJU SAI BRAHMAJI

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1417161

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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Certificate Details

Candidate Name	Koppoju Sai Brahmaji
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1417161
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1417161

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

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GOLD

CERTIFICATE

This is to certify that

DINESHMANIKANTA LENKA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1417406

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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Certificate Details

Candidate Name	Dineshmanikanta Lenka
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1417406
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1417406

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	80.00	80.00
Total		100.00	80.00	80.00

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GOLD

CERTIFICATE

This is to certify that

ANIL PAVADA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1428204

07/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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A MeitY - NASSCOM Digital Skilling Initiative

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Certificate Details

Candidate Name	Anil Pavada
Assessment/Course Name	Data science for the Beginners
Date of Issue	07/03/2023
Certification ID	FSP/2023/3/1428204
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1428204

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

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GOLD

CERTIFICATE

This is to certify that

HIMANSHU REDDIPALLI

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1413481

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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Certificate Details

Candidate Name	Himanshu Reddipalli
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1413481
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1413481

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

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GOLD

CERTIFICATE

This is to certify that

SRIKAKULAPU CHINNI HARISH

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1417556

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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Certificate Details

Candidate Name	Srikakulapu Chinni Harish
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1417556
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1417556

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	78.00	78.00
Total		100.00	78.00	78.00

GOLD

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MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

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GOLD

CERTIFICATE

This is to certify that

JAGADI NISHA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1431939

07/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

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MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

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Certificate Details

Candidate Name	Jagadi Nisha
Assessment/Course Name	Data science for the Beginners
Date of Issue	07/03/2023
Certification ID	FSP/2023/3/1431939
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1431939

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

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MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

NARENDRA VARMA AINAMPUDI

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1418699

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Narendra Varma Ainampudi
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1418699
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1418699

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	80.00	80.00
Total		100.00	80.00	80.00

GOLD

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MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

BALIBANI PAVAN KUMAR

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1488526

10/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Balibani Pavan Kumar
Assessment/Course Name	Data science for the Beginners
Date of Issue	10/03/2023
Certification ID	FSP/2023/3/1488526
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1488526

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

CHANDRA SEKHAR REDDY BODIREDDY

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1469225

09/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Chandra Sekhar Reddy Bodireddy
Assessment/Course Name	Data science for the Beginners
Date of Issue	09/03/2023
Certification ID	FSP/2023/3/1469225
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1469225

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

VIJAYKUMAR BOIDA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1421159

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Vijaykumar Boida
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1421159
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1421159

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	81.00	81.00
Total		100.00	81.00	81.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

CHODIPILLI VENKATA SATYA MADHU

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1417648

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Chodipilli Venkata Satya Madhu
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1417648
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1417648

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

CH. SRINU

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1424539

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Ch. Srinu
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1424539
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1424539

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

DARIMISETTI MOULI

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1425672

07/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Darimisetti Mouli
Assessment/Course Name	Data science for the Beginners
Date of Issue	07/03/2023
Certification ID	FSP/2023/3/1425672
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1425672

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	74.00	74.00
Total		100.00	74.00	74.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

KAMPARA VENISRI

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1423323

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Kampara Venisri
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1423323
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1423323

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

JAYANTH KANDREGULA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1417253

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Jayanth Kandregula
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1417253
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1417253

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	80.00	80.00
Total		100.00	80.00	80.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

KATIPALLI AJAY KUMAR

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1470134

09/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Katipalli Ajay Kumar
Assessment/Course Name	Data science for the Beginners
Date of Issue	09/03/2023
Certification ID	FSP/2023/3/1470134
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1470134

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

GOLD

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

KUNDRAPU ANUSHA

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1474220

09/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Kundrapu Anusha
Assessment/Course Name	Data science for the Beginners
Date of Issue	09/03/2023
Certification ID	FSP/2023/3/1474220
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1474220

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	77.00	77.00
Total		100.00	77.00	77.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

GANESH KUMAR MIRTHIPATI

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1422490

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Ganesh Kumar Mirthipati
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1422490
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1422490

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	85.00	85.00
Total		100.00	85.00	85.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

RAMESH MYLAPALLI

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1469988

09/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Ramesh Mylapalli
Assessment/Course Name	Data science for the Beginners
Date of Issue	09/03/2023
Certification ID	FSP/2023/3/1469988
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1469988

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

PATIBANDLA BOAZ RAJU

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1440411

07/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Patibandla Boaz Raju
Assessment/Course Name	Data science for the Beginners
Date of Issue	07/03/2023
Certification ID	FSP/2023/3/1440411
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1440411

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	83.00	83.00
Total		100.00	83.00	83.00

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

GOLD

CERTIFICATE

This is to certify that

SATYAVARAPU DURGA TARUN

has successfully cleared the assessment on

Data science for the Beginners

Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government.

FSP/2023/3/1423163

06/03/2023
Date of issue

CEO, IT- ITeS Sector Skills Council
NASSCOM

Gold Category: 70% and above score.

Detailed Scorecard included

futureskills prime
A MeitY - NASSCOM Digital Skilling Initiative

MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY GOVERNMENT OF INDIA

IT - ITeS SSC NASSCOM

Certificate Details

Candidate Name	Satyavarapu Durga Tarun
Assessment/Course Name	Data science for the Beginners
Date of Issue	06/03/2023
Certification ID	FSP/2023/3/1423163
Category **Gold** >=70% / **Silver** 60%-69% / **Bronze** 50%-59%	Gold

FSP/2023/3/1423163

Assessment Score

Module Name/NOS ID	NSQF Level	Maximum Marks	Marks Obtained	Percentage
N8102	6	100.00	86.00	86.00
Total		100.00	86.00	86.00

GOLD

1

INTERNSHALA TRAININGS

Certificate of Training

DIVYA ADAPUREDDI

from Nadempalli Satyanarayan Raju Institute Of Technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
DIVYA scored 100% marks in the final assessment and is a top performer in the training.
We wish DIVYA all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Adimulam Bhagat

from Nadimpalli Sathyanarayana Raju Institute Of Technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
Adimulam scored 96% marks in the final assessment and is a top performer in the training.
We wish Adimulam all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

ALLA POLI VINAY

from NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

ALLA scored 95% marks in the final assessment and is a top performer in the training.

We wish ALLA all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2023-10-30 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Appikonda Aswini

from Nadimpalli Satyanarayana Raju Institute Of Technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Appikonda scored 95% marks in the final assessment and is a top performer in the training.

We wish Appikonda all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: [illegible] Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Chappa Chudamani

from Nadimpalli satyanarayan raju institute of technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Chappa scored 100% marks in the final assessment and is a top performer in the training.

We wish Chappa all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Chinthala Janani

from NSRIT has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Chinthala scored 91% marks in the final assessment and is a top performer in the training.

We wish Chinthala all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Dhammu Dinesh

from Nadimpalli Satyanarayana Raju institute of technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Dhammu scored 100% marks in the final assessment and is a top performer in the training.

We wish Dhammu all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2023-11-09 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Gollavilli Mani Deepak

from NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Gollavilli scored 100% marks in the final assessment and is a top performer in the training.

We wish Gollavilli all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2023-11-09 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Srinivas Gorle

from NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Srinivas scored 100% marks in the final assessment and is a top performer in the training.

We wish Srinivas all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-08 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Gottapu Divya

from Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Gottapu scored 99% marks in the final assessment and is a top performer in the training.

We wish Gottapu all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

ITHAMSETTY JANARDHAN KUMAR

from NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
ITHAMSETTY scored 98% marks in the final assessment and is a top performer in the training.
We wish ITHAMSETTY all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-10 Certificate no.: 0674B485-2586-3651-2263-170E6B6346A

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Jakkana Ashok

from Nadimpalli Satyanarayana Raju institute of technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
Jakkana scored 98% marks in the final assessment and is a top performer in the training.
We wish Jakkana all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-08 Certificate no.: AD4788A2-A31E-0714-089A-5AAD7825BFA5

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

KALLA VAMSI KRISHNA

from Nadimpalli Satyanarayana Raju institute of technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
KALLA scored 91% marks in the final assessment and is a top performer in the training.
We wish KALLA all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

KARAKA REVATHI

from NSRIT has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
KARAKA scored 98% marks in the final assessment and is a top performer in the training.
We wish KARAKA all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2023-11-09 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Sai Charan

from Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
Sai scored 91% marks in the final assessment and is a top performer in the training.
We wish Sai all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-10-26 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Uma Maheswar Kenguva

from NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
Uma Maheswar scored 98% marks in the final assessment and is a top performer in the training.
We wish Uma Maheswar all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-10-30 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

LOKESH MIRTHIPATI

from Nadimapalli stayanarayana Raju institute of technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

LOKESH scored 98% marks in the final assessment and is a top performer in the training.

We wish LOKESH all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-10-29 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

NAKKELLA DIVYA

from NSRIT has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

NAKKELLA scored 98% marks in the final assessment and is a top performer in the training.

We wish NAKKELLA all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-08 Certificate no.: [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

RAMESH NIRUJOGI

from NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
RAMESH scored 95% marks in the final assessment and is a top performer in the training.
We wish RAMESH all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no.: FE113C08-8A2D-FDDD-F864-1DD8A64FD611

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INTERNSHALA TRAININGS

Certificate of Training

PEMMADI UDAY SRINIVAS

from NADIMPALLI SATYARANAYANA RAJU INSTITUTE OF TECHNOLOGY has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
In the final assessment, PEMMADI scored 80% marks.
We wish PEMMADI all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-03 Certificate no.: 3D73E4F7-7617-5A8E-3E08-2CC31CF1E9DA

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INTERNSHALA TRAININGS

Certificate of Training

YERNI BABY PINISETTI

from NSRIT has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

YERNI BABY scored 100% marks in the final assessment and is a top performer in the training.

We wish YERNI BABY all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no. : [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Salapu Vasanthi

from Nadimpalli satyanarayana Raju institute of technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Salapu scored 95% marks in the final assessment and is a top performer in the training.

We wish Salapu all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no. : [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

YUGANDHAR SIMMA

from Nadimpalli Satyanarayana Raju Institute of Technology College has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

In the final assessment, YUGANDHAR scored 89% marks.

We wish YUGANDHAR all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no. : 820F1047-3720-8F8A-9933-63ACA9353801

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Yellapu Naga Sowmya Sree

from NSRIT has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Yellapu scored 99% marks in the final assessment and is a top performer in the training.

We wish Yellapu all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no. : [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Bevara Priyanka Priyanka

from Nadimpalli Satyanarayana Raju institute of technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Bevara Priyanka scored 100% marks in the final assessment and is a top performer in the training.

We wish Bevara Priyanka all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no. : [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

RAKESH BUDDHA

from Nadimpalli Satyanarayana Raju Institute of Technology(NSRIT) has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

RAKESH scored 93% marks in the final assessment and is a top performer in the training.

We wish RAKESH all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-10-27 Certificate no. : [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

DHARMANA VENKATA SAI RAKESH

from Nadimpalli Satyanarayana Raju Institute of Technology(NSRIT) has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
DHARMANA scored 96% marks in the final assessment and is a top performer in the training.
We wish DHARMANA all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-09 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Sindhusha Doddi

from Nadimpalli Satyanarayana Raju Institute of technology has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
Sindhusha scored 90% marks in the final assessment and is a top performer in the training.
We wish Sindhusha all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-10-29 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

GAJULA NISHANK BABA

from NSRIT college has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
GAJULA scored 98% marks in the final assessment and is a top performer in the training.
We wish GAJULA all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-05 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Lokesh VARMA

from Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.
Lokesh scored 98% marks in the final assessment and is a top performer in the training.
We wish Lokesh all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-05 Certificate no.: [illegible]
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Paluri Sai Venkata Teja

from Nadimpalli Satyanarayana Raju Institute of Technology(NSRIT) has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Paluri scored 94% marks in the final assessment and is a top performer in the training.

We wish Paluri all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-05 Certificate no. : [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

INTERNSHALA TRAININGS

Certificate of Training

Neelapu Charan kumar Reddy

from Nadimpalli Satyanarayana Raju Institute of Technology(NSRIT) has successfully completed a 6-week online training on **Core Java**. The training consisted of Getting Started with Java, Leveraging Basic Concepts, Object Oriented Programming, and Java App Development modules.

Neelapu scored 94% marks in the final assessment and is a top performer in the training.

We wish Neelapu all the best for future endeavours.

Sarvesh Agarwal

FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-11-05 Certificate no. : [illegible]

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

NSRIT NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)
(Approved by AICTE,New Delhi & Permanently Affiliated to JNTUK, Kakinada)
Recognised under Section 2(f) & 12(B) of the UGC Act, 1956| Accredited by NAAC with 'A' Grade

Department of Electrical and Electronics Engineering
List of Projects and Outcomes Addressed (POs)
AY 2022-2023

No.	Name of the Students	Name of the Guide	POs Addressed
1	Ch.Hari Satya Teja, L.D.Manikanta, A.V.V. Jagadeeswaramma, Ch.Srinu, P. Boaz Raju	**Mr.A.Bala Raja Ram**	PO#1, PO#2, PO#3, PO#5, PO#6, PO#7, PO#8, PO#9, PO#10, PO#11, PO#12
	Publication: Solar Panel Cleaning System		
2	K. Prasad, B. V. S. Santhoshi, S. Chinni Harish, B. Vijay Kumar, K. Veni Sri	**Mrs. V. Usha Rani**	PO#1, PO#2, PO#3, PO#5, PO#6, PO#7, PO#8, PO#9, PO#10, PO#11, PO#12
	Publication: DESIGN AND DEVELOPMENT OF WIRELESS CHARGING SYSTEM		
3	Sai Brahmaji K, Narendra Varma A, Venkata Satya Madhu Ch,, Chandra Sekhar Reddy B, Ganesh Kumar M	**Mr.P.Mahesh**	PO#1, PO#2, PO#3, PO#5, PO#6, PO#7, PO#8, PO#9, PO#10, PO#11, PO#12
	Publication: Design And Modelling of Electric Wheel Chair		
4	J.Satya,K.Harsha Vardhan,B.Pavan Kumar,K.Ajay KUMAR,K.Anusha	**Mr.K.M.M.Tarakesh**	PO#1, PO#2, PO#3, PO#5, PO#6, PO#7, PO#8, PO#9, PO#10, PO#11, PO#12
	Publication: Electrical power generation by treadmill bicycle		
5	P.Anil Kumar, R.Himanshu, D. Mouli, K. Jayanth,M.Ramesh, S.Durga Tarun	**Dr. R. S.R. Krishnam Naidu**	PO#1, PO#2, PO#3, PO#5, PO#6, PO#7, PO#8, PO#9, PO#10, PO#11, PO#12
	Publication: Design and Fabrication of Solenoid Engine		

HOD

SOLAR PANEL CLEANING SYSTEM

A Thesis
Submitted in the partial fulfillment of the requirements for the award of the degree of

Bachelor of Technology

In

Electrical and Electronics Engineering

BY

CH. HARI SATYA TEJA	-	**(19NU1A0202)**
L.DINESH MANIKANTA	-	**(19NU1A0208)**
A.V.V. JAGADEESWARAMMA	-	**(20NU5A0201)**
CH. SRINU	-	**(20NU5A0207)**
P. BOAZ RAJU	-	**(20NU5A0215)**

Under the supervision of

Mr. A. BALA RAJA RAM (Ph. D)

Assistant Professor

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY
(Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi)

SONTYAM, VISAKHAPATNAM, 531173

APRIL 2023

Declaration

The Thesis entitled "**SOLAR PANEL CLEANING SYSTEM**" is a record of bonafide work carried out by me, submitted in partial fulfillment for the award of B.Tech in Electrical and Electronics Engineering to the Jawaharlal Nehru Technological University Kakinada. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of the Candidates

Ch. Hanif.

L.D. Manikota

A. Jagadeesh

Ch. Srinu

P. Boaz Raju

Certificate

This is to certify that the thesis entitled "**SOLAR PANEL CLEANING SYSTEM**" is being submitted by **CH. HARI SATYA TEJA, L. DINESH MANIKANTA, A.V.V. JAGADEESWARAMMA, CH. SRINU, P. BOAZ RAJU** in partial fulfillment for the award of **B.Tech in Electrical and Electronics Engineering** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by his under our guidance and supervision.

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

Signature of Supervisor
Mr.A.BALA RAJA RAM (Ph.D)
Assistant Professor

15/4/23
Signature of Head of Department
Dr. R.S.R KRISHNAM NAIDU
Associate Professor

15/4/23.
Signature of project coordinator
Dr. R.S.R KRISHNAM NAIDU
Associate Professor

Signature of External examiner

ACKNOWLEDGEMENT

We would like to take this opportunity to express our deepest gratitude to our project supervisor, **Mr. A. BALA RAJA RAM,** Asst. Professor, EEE, **N S Raju Institute of Technology (A)**, Visakhapatnam, who has persistently and determinedly guided us during the whole course of this project. It would have been very difficult to complete this project without his enthusiastic support, insight and advice.

We are extremely thankful to project co-coordinator **Dr. R.S.R. KRISHNAM NAIDU,** Associate Professor & Head of EEE Department for providing excellent coordination among all the project batches and encouraging with novel projects.

We are extremely thankful to **Dr. R.S.R. KRISHNAM NAIDU,** Associate Professor & **Head of EEE Department** for providing excellent lab facilities which were helpful in successful completion of our project.

Our utmost thanks also go to all the **FACULTY MEMBERS** and **NON-TEACHING STAFF** of the Department of EEE for their support throughout our project work.

Our FAMILY MEMBERS and FRIENDS receive our deepest gratitude and love for their support throughout our academic years.

We take immense pleasure in thanking **Dr. J. RAJA MURUGADOSS,** Director N S Raju Institute of Technology (A) for having permitted us to carry out this project work.

We thank the **MANAGEMENT** of **N S Raju Institute of Technology (A),** Sontyam, Visakhapatnam, for providing the various resources to complete this project success fully.

We are thankful to one and all who contributed to our work directly or indirectly.

PROJECT MEMBERS

CH. HARI SATYA TEJA	-	19NU1A0202
L. DINESH MANIKANTA	-	19NU1A0208
A.V.V. JAGADEESWARAMMA	-	20NU5A0201
CH. SRINU	-	20NU5A0207
P. BOAZ RAJU	-	20NU5A0215

ABSTRACT

The project is about to design and development of a solar panel cleaning system. The main objective of this design prototype is to clean the solar panel using an electrical mechanism such that efficiency or quality of solar is not compromised. As a matter of fact, gulf regions especially in pollution areas are facing a lot of dust storms & the solar panels need to be cleaned frequency. If the task is performed manually, it will be very costly and time-consuming. Water sprinkles and a special wiping material shall be used in the conceived mechanism design to insure quality of cleaning.

ELECTRIACL POWER GENERATION BY TREADMILL BICYCLE

A Report
Submitted in the partial fulfillment of the requirements for the award of the degree of

Bachelor of Technology

in

Electrical And
Electronics Engineering

BY

J. SATYA	-	**(19NU1A0203)**
K. HARSHA VARDHAN	-	**(19NU1A0204)**
B. PAVAN KUMAR	-	**(20NU5A0203)**
K. AJAY KUMAR	-	**(20NU5A0211)**
K. ANUSHA	-	**(20NU5A0212)**

Under the supervision of

Mr. K.M.M. TARAKESH, M.E
Assistant Professor

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY
(Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi)
SONTYAM, VISAKHAPATNAM, 531173

April - 2023

DECLERATION

The report entitled **"ELECTRICAL POWER GENERATION TREADMILL BICYCLE** "is a record of bonafide work carried out by me, submitted in partial fulfillment for the award of B. Tech in Electrical and Electronics Engineering to the Jawaharlal Nehru Technological University Kakinada. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of the Candidates

J. Satya

Anusha

B. Pavankumar

K. Ajaykumar

K. Anusha

CERTIFICATE

This is to certify that the thesis/dissertation entitled **"ELECTRICAL POWER GENERATION TREADMILL BICYCLE"** is being submitted by **J.SATYA (19NU1A0203),K.HARSHAVARDHAN(19NU1A0204),B.PAVANKUMAR(20NU5A0203), K.AJAYKUAMR(20NU5A0211),K.ANUSHA(20NU5A0212)** in partial fulfillment for the award of B.Tech in Electrical and Electronics Engineering to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under our guidance and supervision.

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

15/4/23

Signature of supervisor
Mr. K.M.M. TARAKESH, M.E.
Assistant Professor
EEE

15/4/23.

Signature of head of the department
Dr. R.S.R. KRISHNAM NAIDU, Ph.D.
Associate Professor, HOD,

15/4/23

Signature of Project Co-Ordinator
Dr. R.S.R. KRISHNAM NAIDU, Ph.D.
Associate Professor, HOD
EEE.

15/4/23

Signature of external examiner

ACKNOWLEDGEMENT

We would like to take this opportunity to express my deepest gratitude to our project supervisor, **Mr. K.M.M. TARAKESH,** Asst. Professor, EEE, N S Raju Institute of Technology (A), Visakhapatnam, who has persistently and determinedly guided me during the whole course of this project. It would have been very difficult to complete this project without his enthusiastic support, insight and advice.

We are extremely thankful to project co-coordinator **Dr. R.S.R. KRISHNAM NAIDU,** Associate Professor & Head of EEE Department for providing excellent coordination among all the project batches and encouraging with novel projects.

We are extremely thankful to **Dr. R.S.R. KRISHNAM NAIDU,** Associate Professor& Head of EEE Department for providing excellent lab facilities which were helpful in successful completion of our project.

Our utmost thanks also go to all the **FACULTY MEMBERS** and **NON- TEACHING STAFF** of the Department of EEE for their support throughout our project work.

Our FAMILY MEMBERS and FRIENDS receive my deepest gratitude and love for their support throughout our academic years.

We take immense pleasure in thanking **Dr. M.A. KHADAR BABA,** Principal **Dr. J. RAJA MURUGADOSS,** Director N S Raju Institute of Technology (A), Sontyam, Visakhapatnam, for having permitted me to carry out this project work.

We thank the MANAGEMENT of N S Raju Institute of Technology (A), Sontyam, Visakhapatnam, for providing the various resources to complete this project success fully.

We are thankful to one and all who contributed to my work directly or indirectly.

	With Graduate
1.J. Satya	19NU1A0203
2. K. Harsha Vardhan	19NU1A0204
3.B. Pavan Kumar	20NU5A0203
4. K. Ajay Kumar	20NU5A0211
5.K. Anusha	20NU5A0212

ABSTRACT

Now a day's exercises play an important role in human life. As we know the exercising will reduce the amount of excess calorie of the body and annihilates the metabolic activities of the body. When doing exercise, a large amount of human energy is get wasted. Our project is mainly aim to convert this energy into sufficient form and for making the exercise more convenient by a new design. For that we designed a bicycle where the pedal of the cycle is fully replaced by a treadmill. The treadmill will drive the rear wheels of the cycle via a chain drive, so that its need only the effort of exercising in treadmill to travel a short distance conveniently. A stand is provided to make the bicycle inclined at stationery state and can be use the bicycle as a perfect treadmill. A powerful dynamo and a battery are provided to the rotating parts of the bicycle so that it can produce and store electrical energy during exercising or travelling. We can use this electrical energy when it is required.

Key Words: Treadmill, chain drive, dynamo, bicycle.

DESIGN AND MODELING OF ELECTRIC WHEEL CHAIR

15

A Thesis

Submitted in the partial fulfillment of the requirements for the award of the degree of

Bachelor of Technology

In

Electrical and Electronics Engineering

BY

K. SAI BRAHMAJI	-	**(19NU1A0207)**
A. NARENDRA VARMA	-	**(20NU5A0202)**
B. CHANDRA SHEAKAR REDDY	-	**(20NU5A0204)**
CH. V S MADHU	-	**(20NU5A0206)**
M. GANESH KUMAR	-	**(20NU5A0213)**

Under the supervision of

Mr. P. MAHESH, M.E.(Ph.D.)

Assistant Professor

NSRIT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY

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

SONTYAM, VISAKHAPATNAM, 531173

Certificate

This is to certify that the thesis entitled "**Design and modeling of Electric wheel chair**" is being submitted by **K. SAI BRAHMAJI, A. NARENDRA VARMA, B. CHANDRA SHEAKAR REDDY, CH. V S MADHU, M. GANESH KUMAR** in partial fulfillment for the award of **B.Tech in Electrical and Electronics Engineering** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by his under our guidance and supervision.

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

P. Mahesh
Signature of Supervisor
Mr. P.MAHESH , M.E.(Ph.D.)
Assistant Professor

RSCoordinator 15/4/23
Signature of Head of Department
Dr. R.S.R KRISHNAM NAIDU
Associate Professor

RSCoordinator 15/4/23.
Signature of project coordinator
Dr. R.S.R KRISHNAM NAIDU
Associate Professor

Signature of External examiner 15/04/23

Declaration

The Thesis entitled "**Design and modeling of Electric wheel chair**" is a record of bonafide work carried out by me, submitted in partial fulfillment for the award of **B.Tech** in **Electrical and Electronics Engineering** to the **Jawaharlal Nehru Technological University Kakinada**. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of the Candidate

K. Sai Brambaji

A. V. Varma

B. Chandra sekhar

Ch. V.S madhu

M. ganesh kumar

Certificate

This is to certify that the thesis entitled "**Design and modeling of Electric wheel chair**" is being submitted by **K. SAI BRAHMAJI, A. NARENDRA VARMA, B. CHANDRA SHEAKAR REDDY, CH. V S MADHU, M. GANESH KUMAR** in partial fulfillment for the award of **B.Tech in Electrical and Electronics Engineering** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him at our Institution.

Signature of Head of the department

Dr. R.S.R KRISHNAM NAIDU,
Associate Professor,
HOD of EEE Dept

ABSTRACT

Wheel Chair is a mobility device designed for shifting patients, moving physically challenged people from one place to another with the help of attendee or by means of self-propelling. The wheel chair is divided into two different types based on the power used for mobility:

1. Manually powered wheelchairs.

2. Electric powered wheelchairs.

Manual powered wheelchairs are driven by manual power which is again classified into foldable and non-foldable with or without commode design. Electrically powered wheel chairs run with electric power however manual operation is required to operate the joystick for the movement of the chair. The redesign of manual wheel chair was considered for this project. The design of wheel chair started by means of literature review to know its evaluation from earlier to the present generation. Market study was carried out to know the present competitors available in the market with cost analysis of the existing product. Ethnography study was done to observe the need, the importance of the existing product and to address the design gap in the existing product to the user need through questionnaires. The feedback was taken from different users and attendees, concept generation and design execution was done by the implementation of design methodologies like Quality Function Deployment, Mind mapping, Product Design Specification. The final output is a wheel chair which gives multiple options to the user and attendee by providing ease of defecation, cleaning and changing of clothes. Adjustable back rest, arm rest, leg rest provides comfort for the patient while resting. The adjustable arm rest provide ease of shifting the patient from chair to the bed or to the vehicle. Facility provided for keeping plate while having food, reading and keeping water bottle. Additional to this alarm facility is provided to inform the attendee that there is a need of his / her presence to the patient. Validation of the prototype is done and usage is found satisfactory. Wheel chair is controlled by hands, lags, head.

DESIGN AND FABRICATION OF SOLENOID ENGINE

A project reports

submitted in the partial fulfillment of the requirements for award of the degree of

Bachelor of Technology

In

Electrical and Electronics Engineering

BY

P. ANIL KUMAR	-	**(19NU1A0210)**
R. HIMANSHU	-	**(19NU1A0211)**
D. MOULI	-	**(20NU5A0208)**
K. JAYANTH	-	**(20NU5A0210)**
M. RAMESH	-	**(20NU5A0214)**
S. DURGA TARUN	-	**(20NU5A0216)**

Under the supervision of

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY

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

SONTYAM, VISAKHAPATNAM - 531173

APRIL – 2023

DECLARATION

The thesis entitled "**DESIGN AND FABRICATION OF SOLENOID ENGINE**" is a record of bonafide work carried out by me, submitted in partial fulfillment for the award of **Bachelors of Technology** in **Electrical and Electronics Engineering** to the **Jawaharlal Nehru Technological University, Kakinada**. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of the Candidates

R. Himanshu

D. Mouli

K. Jayanth

M. Ramesh

CERTIFICATE

This is to certify that the thesis entitled "**DESIGN AND FABRICATION OF SOLENOID ENGINE**" is being submitted **Mr. P. ANIL KUMAR, Mr. R. HIMANSHU, Mr. D. MOULI, Mr. K. JAYANTH, Mr. M .RAMESH, Mr .S. DURGA TARUN** in partial fulfillment for the award of **B.Tech in Electrical and Electronics Engineering** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under our guidance and supervision. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree.

15/4/23

Signature of Supervisor

Dr. R. S. R. Krishnam Naidu

Associate Professor

15/4/23

Signature of Head of the Department

Dr. R. S. R. Krishnam Naidu

Associate Professor

15/4/23.

Signature of Project Coordinator

Dr. R. S. R. Krishnam Naidu

Associate Professor

Signature of External Examiner

ACKNOWLEDGEMENT

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We are extremely thankful to **Dr. R.S.R. KRISHNAM NAIDU,** Associate Professor & **Head of EEE Department** for providing excellent lab facilities which were helpful in successful completion of my project.

Our utmost thanks also go to all the **FACULTY MEMBERS** and **NON-TEACHING STAFF** of the Department of EEE for their support throughout our project work.

Our FAMILY MEMBERS and FRIENDS receive my deepest gratitude and love for their support throughout our academic years.

We take immense pleasure in thanking **Dr. J. RAJA MURUGADOSS,** Director N S Raju Institute of Technology (A), Sontyam, Visakhapatnam, for providing facilities to carry out this project work.

We thank the **MANAGEMENT** of **N S Raju Institute of Technology (A),** for providing the various resources to complete this project success fully.

We are thankful to one and all who contributed to our work directly or indirectly.

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ABSTRACT

In an automobile, engine is the main power source and today, majority of the engines are Internal Combustion (IC) Engines which use either Petrol or Diesel as the main fuel source. The combustion of these fuels in the piston releases heat energy which is converted into mechanical Energy. These fuels release harmful gases after combustion and hence pollute the environment as well as have adverse effects on the living beings. Electric Vehicle are becoming attractive alternative to the vehicles with combustion engine, considering the effect on the environment as well as economic factors such as gradual increasing price of fluid fossil fuels, maintenance and others. Due to the fact that these vehicles are widely known for their zero emission and powered by renewable energy sources.

The idea of the project is to take another alternative design of EV prime mover to replace existing electric motor. In general, EV are driven and controlled by the integration of electrical, electronics and also mechanical components but the main component that actually moves these vehicles is the electric motor. Electric motor works on principles of the electromagnetic induction by converting electrical energy to kinetic energy. This energy conversion is the main purpose of an electric motor and this actuator are highly popularized in most EV's designs.

So, a solenoid will be used to replace the electric motor as a prime mover. For this, a prototype of a solenoid is designed, built, and tested. The solenoid will be used as kicking device. In one study the solenoid is investigated as most suitable kicking device. The other study designed and optimized a solenoid. The objective of this project is to design a solenoid engine which works on the principle of electromagnetism, is used to convert electrical energy into mechanical energy and the power generated is used to drive the vehicle.

DESIGN AND DEVLOPMENT OF WIRELESS CHARGING SYSTEM

A Thesis

Submitted in the partial fulfillment of the requirements for the award of the degree of

17

Bachelor of Technology In

Electrical and Electronics Engineering

BY

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APRIL-2023

Certificate

This is to certify that the thesis entitled "**DESIGN AND DEVLOPMENT OF WIRELESS CHARGING SYSTEM**" is being submitted by **Ms. B.V.S. SANTHOSHI, K. PRASAD, S. CHINNI HARISH, B. VIJAY KUMAR, K. VENI SRI** in partial fulfillment for the award of **B.Tech in Electrical and Electronics Engineering** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by her under our guidance and supervision.

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

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We would like to take this opportunity to express my deepest gratitude to our project supervisor, **Mrs.V.Usha Rani,** Asst. Professor, EEE, **Nadimpalli Satyanarayana Raju Institute of Technology (A)**, Visakhapatnam, who has persistently and determinedly guided me during the whole course of this project. It would have been very difficult to complete this project without her enthusiastic support, insight and advice.

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We are extremely thankful to **Dr. R.S.R.KRISHNAM NAIDU,** Associate Professor **& Head of EEE Department** for providing excellent lab facilities which were helpful in successful completion of my project.

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We thank the **MANAGEMENT** of **N S Raju Institute of Technology (A),** for providing the various resources to complete this project success fully.

We are thankful to one and all who contributed to our work directly or indirectly.

With Gratitude

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ABSTRACT

Day by day new technologies are making our life simpler. Wireless charging through inductive coupling could be done one of the next technologies that bring the future nearer. In this project it has been shown that it is possible to charge low power devices wirelessly via inductive coupling. The wireless power transmitter and receiver have been designed with ultra-low-power and high-efficiency electronic components, thereby maximizing the overall power transfer efficiency. It minimizes the complexity that arises for the use of conventional wire system. In addition, the project also opens up new possibilities of wireless systems in our other daily life uses.

Department of Mechanical Engineering

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

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Design and Fabrication of Multipurpose Rugged Cutting Machine for Agriculture

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Abstract

As agriculture is one of the main occupations in India, it is very essential to discover and implementnew ideas in this field, although a lot of work has been done in this area. It is a pity that these ideasare not properly implemented in the real field. This is due to the high cost and difficult for the rural population. Multi-purpose agricultural cutting equipment is the basic and main equipment involved inagriculture for maximum performance. The conventional method of planting and growing crops is alaborious process, and therefore there is a shortage of manpower, resulting in a delay in agriculture to overcome these difficulties. Multi-purpose agricultural equipment is designed. Agriculture plays a vital role in the Indian economy. Over 70% of rural households depend on agriculture. Agriculture is an important sector of the Indian economy, contributing approximately 8.4% to the total GDP and providing employment for over 60% of the population. Indian agriculture has experienced impressive growth over the past few decades.

Keywords: Agriculture, cutting equipment

Conclusions

The rugged multipurpose cutting machine combines four individual operations, reducing the need formanual labor and increasing efficiency. Our design focuses on minimizing costs and ensuring ease of operation for small farm units. By performing multiple operations, the machine saves processing timeand reduces waste. For example, in sugarcane seed cutting, the machine allows for easy control of sugarcane wastage and produces cut seeds that are suitable for sowing. In groundnut stripping, twolaborers can replace the work of 10-20 when using the machine. Similarly, in paddy stripping, the machine reduces wastage and can replace the work of 5-6 labourers with only two. Widespread adoption of this machine by farmers can alleviate the labour crisis and improve efficiency. The machine's ability to perform multiple operations with flexibility and a balanced mechanism represents a significant technological improvement in the agricultural sector and will motivate farmers to adopt it.

Publication

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Fabrication and Experimental Investigation of Compressed Air Engine

Pittala Sai Radha Krishna[1] , D. Naveen Kumar[2] , G. Dinesh[3] , G. Uday Kiran[4] , K. Sai Sumanth[5] , K. Varun Kumar[6] , K. Vamsi Krishna[7] A. Durga Dalinaidu[8] , J. Lakshman[9]

Abstract

This study presents an experimental investigation of a piston engine driven by compressed air. The compressed air engine was a modified 100 cm3 internal combustion engine obtained from a motorcycle manufacturer. The experiments in this study used a test bench to examine the power performance and pressure/temperature variations of the compressed air engine at pressures ranging from 5 to 9 bar (absolute pressure). The engine was modified from a 4-stroke to a 2- stroke engine using a cam system driven by a crankshaft and the intake and exhaust valves have a small lift due to this modification. Similar situations occurred during the exhaust process, restricting the power output of the compressed air engine. The pressure and temperature variation of the air at engine inlet and outlet were recordedduring the experiment. The outlet pressure increased from 1.5 bar at 500 rpm to 2.25 bar at 2000 rpm, showing the potential of recycling the compressed air energy by attaching additional cylinders (split- cycle engine). A temperature decrease (from room temperature to 17 °C) inside the cylinder was observed. It should be noted that pressures higher than that currently employed can result in lower temperatures and this can cause poor lubrication and sealing issues. The current design of a compressed air engine, which uses a conventional cam mechanism for intake and exhaust, has limited lift movement during operation, and has a restricted flow rate and power output. Fast valve actuationand a large lift are essential for improving the performance of the current compressed air engine. This study presents a power output examination with the pressure and temperature measurements of a piston type compressed air engine to be installed in compact vehicles as the main or auxiliary power system

Keywords: Compressed Air Engine, Power Performance, Indicated Power, Brake Power, Mechanicalefficiency

Conclusions

CAE was introduced, and thermodynamic characteristics and efficiency analysis were studied. To obtain the performances of CAE, a prototype of CAE was designed and adopted in test bench. The output power, torque and efficiency were obtained through experimental study. The conclusion is summarized as follows: 1. The performance of the CAE is mainly influenced by the rotation speed and supply pressure. 2. In the first instance, the output power ascends sharply with the increasing rotation speed and reaches maximum value. After this peak, the output power drops sharply. 3. The prototype of CAE has a good economic performance under low speed. 4. When the supply pressure is 2 MPa,the maximum output power is 1.92 kW; the maximum output torque is 56.55 Nm.; and the maximumefficiency is 25%

Publications

1. Pittala Sai Radha Krishna1 , D. Naveen Kumar2 , G. Dinesh3 , G. Uday Kiran4 , K. Sai Sumanth5 , K. Varun Kumar6 , K. Vamsi Krishna7 A. Durga Dalinaidu8 , J. Lakshman9 of Fabrication and Experimental Investigation of Compressed Air Engine, International Journal of All Research Education and Scientific Methods, Volume 10, Issue 6 , pp. 1274 -1280 ,2022

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No.	Name of the Course	POs Addressed
1	Data Science	PO #1, PO #2, PO #3, PO #4, PO #5, PO #9, PO #10, PO#12, PSO #02
2	Program Essentials in Python	PO #1, PO #2, PO #3, PO #4, PO #5, PO #9, PO #10, PO#12, PSO #02
3	CATIA v5	PO #1, PO #2, PO #3, PO #4, PO #5, PO #9, PO #10, PO#12, PSO#01, PSO #02
4	CAM and Mechanical Design	PO #1, PO #2, PO #3, PO #4, PO #5, PO #9, PO #10, PO#12, PSO#01, PSO #02
5	Databases and SQL	PO #1, PO #2, PO #3, PO #4, PO #5, PO #9, PO #10, PO#12, PSO #02
6	Programming with Python	PO #1, PO #2, PO #3, PO #4, PO #5, PO #9, PO #10, PO#12, PSO #02
7	Introduction to electric Vehicles	PO #1, PO #2, PO #3, PO #4, PO #5, PO #9, PO #10, PO#12

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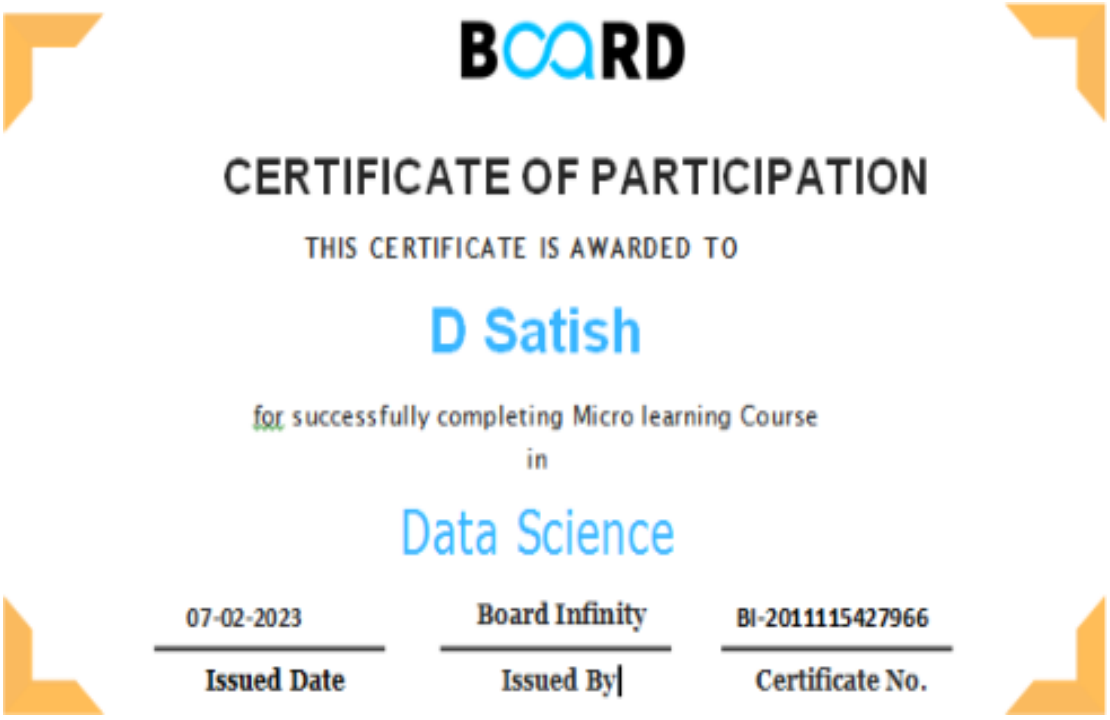
73	MADISA CHAITANYA	Data Science	30	Board Infinity (APSCHE)
74	MAJJI JAGADEESH	Data Science	30	Board Infinity (APSCHE)
75	MATCHA SANYASI DHANUSH KUMAR	Data Science	30	Board Infinity (APSCHE)
76	MEESALA VYKUNTESWARA RAO	Data Science	30	Board Infinity (APSCHE)
77	MIRTHIPATI SUDHEER	Data Science	30	Board Infinity (APSCHE)
78	MOLLETI MANOJ KUMAR	Data Science	30	Board Infinity (APSCHE)
79	MUDUNURI CHIRANJEEVI VARMA	Data Science	30	Board Infinity (APSCHE)
80	MUPPINA PRAVEEN KUMAR	Data Science	30	Board Infinity (APSCHE)
81	NAKKA LAKSHMAN REDDY	Data Science	30	Board Infinity (APSCHE)
82	NASRAT BHANU	Data Science	30	Board Infinity (APSCHE)
83	NEELAPU VENKATA SURYA TEJA	Data Science	30	Board Infinity (APSCHE)
84	PAILA CHARAN TEJA	Data Science	30	Board Infinity (APSCHE)
85	PASALA SHYAM	Data Science	30	Board Infinity (APSCHE)

86	PATCHIKORA YERRI NAIDU	Data Science	30	Board Infinity (APSCHE)
87	PATNANA VAMSHI	Data Science	30	Board Infinity (APSCHE)
88	PEELA MAHALAXMINAIDU`	Data Science	30	Board Infinity (APSCHE)
89	PILLI HARISH	Data Science	30	Board Infinity (APSCHE)
90	POLIDASU NAGARAJU	Data Science	30	Board Infinity (APSCHE)
91	RAJANA VINAY KUMAR	Data Science	30	Board Infinity (APSCHE)
92	RAVADA REVATHI NANDU KUMAR	Data Science	30	Board Infinity (APSCHE)
93	RAVUPALLI VISWA TEJA	Data Science	30	Board Infinity (APSCHE)
94	SAI SEETHA	Data Science	30	Board Infinity (APSCHE)
95	SARAGADAM DINAKARA SURYA PRAKASH	Data Science	30	Board Infinity (APSCHE)
96	SARAGADAM JASWANTH	Data Science	30	Board Infinity (APSCHE)
97	SEKHARAMAHANTI BHARATH KUMAR	Data Science	30	Board Infinity (APSCHE)
98	SIMHADRI BHASKAR RAO	Data Science	30	Board Infinity (APSCHE)
99	SINGAMPALLI LOKESH	Data Science	30	Board Infinity (APSCHE)
100	SUGGI SURESH KUMAR	Data Science	30	Board Infinity (APSCHE)
101	TUMARADA SAI SANDEEP	Data Science	30	Board Infinity (APSCHE)
102	UPPULURI PAVAN KUMAR	Data Science	30	Board Infinity (APSCHE)
103	VANAM DINESH	Data Science	30	Board Infinity (APSCHE)
104	VANAPALLI YAGNESWARA SWAMY	Data Science	30	Board Infinity (APSCHE)
105	VANUMU GUNASEKHAR	Data Science	30	Board Infinity (APSCHE)
106	VARANASI MAHESH	Data Science	30	Board Infinity (APSCHE)
107	VEGI MOULI	Data Science	30	Board Infinity (APSCHE)
108	BELLAMKONDA UDAY SAI	Data Science	30	Board Infinity (APSCHE)
109	GOLLAPALLI DILEEP KUMAR	Data Science	30	Board Infinity (APSCHE)
110	KOMARAVOLU HARI VENKATA MANIKANTA	Data Science	30	Board Infinity (APSCHE)
111	LANKALAPALLI KEERTHI	Data Science	30	Board Infinity (APSCHE)
112	AYENAMPUDI NITHIN VARMA	CATIA v5	42	Infosys Springboard
113	BANDARU SAGAR	CATIA v5	42	Infosys Springboard
114	CHANDA JAGADEESH KUMAR	CAM and Mechanical Design	40	Coursera
115	DAKETI LEELA SAI KIRAN	CATIA v5	42	Infosys Springboard
116	DARA VIVEK	CATIA v5	42	Infosys Springboard
117	DASARI KARTHIK	CATIA v5	42	Infosys Springboard
118	DASARI SRAVANA LAKSHMI	CATIA v5	42	Infosys Springboard
119	DIVYA PRAKASH KUMAR	CATIA v5	42	Infosys Springboard

120	DOKKARI MOHAN	CATIA v5	42	Infosys Springboard
121	DOPPA ROSHAN SOWRI	CATIA v5	42	Infosys Springboard
122	DUVVI PRANEETH VARDHAN	CATIA v5	42	Infosys Springboard
123	D.V. VENKATA SAI ABHISHEK	CATIA v5	42	Infosys Springboard
124	GONTHINA BHASKAR	CATIA v5	42	Infosys Springboard
125	GORLE JAYA KRISHNA	CATIA v5	42	Infosys Springboard
126	GORLE KUSHAL	CATIA v5	42	Infosys Springboard
127	GORRIPOTU ANIL KUMAR	CATIA v5	42	Infosys Springboard
128	JEERLA LINKHIN KUMAR	CATIA v5	42	Infosys Springboard
129	KOVELAPALLI AJAY KUMAR	CATIA v5	42	Infosys Springboard
130	KILARI JAGAN JEEVAN KUMAR	CATIA v5	42	Infosys Springboard
131	KINCHA SHYAM KRISHNA	CATIA v5	42	Infosys Springboard
132	KODI PRUDHVI RAJ	CATIA v5	42	Infosys Springboard
133	KOKKERLAPATI SUDHEEP VARMA	CATIA v5	42	Infosys Springboard
134	KOLA VENKATA RAO	CATIA v5	42	Infosys Springboard
135	KORADA SAI PRASAD	CATIA v5	42	Infosys Springboard
136	KUTCHARLAPATI CHANDRAMOULI VARMA	Programming with Python	42	Internshala
137	M GEETA SAI PRASAD	CAM and Mechanical Design	40	Coursera
138	MAJJI JOGESH	CATIA v5	42	Infosys Springboard
139	MASADA DIVAKAR	CATIA v5	42	Infosys Springboard
140	MUMMANA DINESH	CATIA v5	42	Infosys Springboard
141	M. YOGENDRA	CATIA v5	42	Infosys Springboard
142	NAKKA NAVEEN	CATIA v5	42	Infosys Springboard
143	NERELLA DURGA PRASAD	CATIA v5	42	Infosys Springboard
144	PALAKOLLU DILLESWARA RAO	CATIA v5	42	Infosys Springboard
145	PENTAKOTA DEVI SIVA PRASAD	CATIA v5	42	Infosys Springboard
146	PILLA NAVEEN	CATIA v5	42	Infosys Springboard
147	PITLA NAVEEN	CATIA v5	42	Infosys Springboard
148	PONTHAPALLI YAJNESWAR	CATIA v5	42	Infosys Springboard
149	RAYAVARAPU SAI KIRAN	Databases and SQL	6 weeks	Coursera
150	RANGASALA ARUNKUMAR	CATIA v5	42	Infosys Springboard
151	SEELA LAKSHMI CHANDRA EKANTH	CATIA v5	42	Infosys Springboard
152	SIMMA MOHAN KUMAR	CATIA v5	42	Infosys Springboard
153	SIRIPURAPU MANOJ KUMAR	Python for beginners	40	Simplilearn
154	SOURASISH TALUKDER	CATIA v5	42	Infosys Springboard
155	TEDLAPU LIKHITH V S G B SARAN	Programming with Python & Introduction to electric Vehicles	38 & 32	Internshala & Skill-Lync
156	TEEGALA PRUDHVI GUPTA	CATIA v5	42	Infosys Springboard
157	TIRUMAREDDY RAJESH	Programming with Python	42	Internshala
158	VIJANAGIRI MANI VARA PRASAD	CATIA v5	42	Infosys Springboard
159	YALLA ROHITH	CATIA v5	42	Infosys Springboard
160	YANDRAPU JAGADEESH	CATIA v5	42	Infosys Springboard
161	YEDURU SAMPATH SAI	CATIA v5	42	Infosys Springboard
162	BAKI SANKAR RAO	CATIA v5	42	Infosys Springboard

163	BONELA GANESH	CATIA v5	42	Infosys Springboard
164	BONULA PRABHU PAVAN	CATIA v5	42	Infosys Springboard
165	DODDI UDAY BHASKAR	CATIA v5	42	Infosys Springboard
166	GANAGALLA VEERANAND	CATIA v5	42	Infosys Springboard
167	GANTLA ATCHUTH	CATIA v5	42	Infosys Springboard
168	GOLAGANI BHANU PRASAD SAI	CATIA v5	42	Infosys Springboard
169	GUGGILAM RAKESH	CATIA v5	42	Infosys Springboard
170	JAGARAPU RAKESH	CATIA v5	42	Infosys Springboard
171	KARRI SAI TEJA	CATIA v5	42	Infosys Springboard
172	KORADA VENKATESH	CATIA v5	42	Infosys Springboard
173	MOHAMMED BASHEERUDDIN	CATIA v5	42	Infosys Springboard
174	PASANABILLI MOHAN	CATIA v5	42	Infosys Springboard
175	PENTAKOTA VAYUNANDA SAI KUMAR	CATIA v5	42	Infosys Springboard
176	PULAMARASETTI GIRIDHAR	CATIA v5	42	Infosys Springboard
177	SARVASUDDI LOKESH	CATIA v5	42	Infosys Springboard
178	SOURAV DAS	CATIA v5	42	Infosys Springboard



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Date of Issue : 10 October 2022

SARANGARAJAN V
Co-Founder, Skill-Lync

INTERNSHALA TRAININGS

Certificate of Training

Tirumareddy Rajesh Rajesh

has successfully completed a 6-week online training on **Programming with Python**. The training consisted of Introduction to Python, Using Variables in Python, Basics of Programming in Python, Principles of Object-oriented Programming (OOP), Connecting to SQLite Database, Developing a GUI with PyQT, Application of Python in Various Disciplines, and The Final Project modules.

We wish Tirumareddy Rajesh all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-10-07 Certificate no.: [illegible]

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by Simplilearn
Declaration of Completion
SIRIPURAPU MANOJ KUMAR
has successfully completed the online course:
Python for Beginners
This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!
11th Oct 2022
Certificate code : 3845211
Krishna Kumar
CEO

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Department of Civil Engineering

List of Publications, Projectsand Outcomes Addressed (POs)(2022-2023)

No.	Name of the Students	Name of the Guide	POs Addressed
1	B. V. R. Murthy, M. Sai Ram, P. Chandra, S. Anand, S. Lokesh, S. Teja	Mr. D.V. Shanmukesh	PO #1, PO #2, PO #3, PO #5, PO#6, PO#7, PO#8, PO #9, PO #10, PO #11, PO#12, PSO #1
	Publication: An Experimental Approach to Strength Assessment of Concrete By Fractional Substitution Of The Fine Aggregate With Expanded Polystyrene Beads, Vol. 11, April 2023 ISSN (Print): 2321-9652, IC Value: 45.98, IF: 7.538, Page No.: 819-823		
2	K. Murali, M. Ananta Rao, D. Vamsi Krishna, K. Bhaskara Rao, S. Durga Prasad	Mr. T. Naidu	PO #1, PO #2, PO #3, PO #4, PO #5, PO #6, PO #7, PO #8, PO #9, PO #10, PO #11, PO #12, PSO #1,
	Publication: An Experimental Approach for The Study on Mechanical Properties of M30 Grade Concrete When The Steel Fibres Are Induced, Vol. 11, April 2023 ISSN (Print): 2321-9652, IC Value: 45.98, IF: 7.538, Page No.: 815-818		
3	D. Mouli, K. Bhaskar Rao, K. Sunil, M. Raj, P. Sowmya	Mr. P. Haragopal	PO #1, PO #2, PO #3, PO #4, PO #5, PO #6, PO #7, PO #8, PO #9, PO #10, PO #11, PO #12, PSO #1
	Publication: An Experimental Approach to Study the Properties of Self-Healing Concrete by Replacing Fine Aggregate with Glass Powder and Demolished Waste, Vol. 11, April 2023 ISSN (Print): 2321-9652, IC Value: 45.98, IF: 7.538, Page No.: 805-809		
4	Ch. Babji, K. Bhaskara Rao, M. Anil Ganesh, P. Sai Venkatesh, K. Viswanath	Mr. G. Chanikya	PO #1, PO #2, PO #3, PO #4, PO #5, PO #6, PO #7, PO #8, PO #9, PO #10, PO #11, PO #12, PSO #1
5	V. Durga Prasad, B. Sai Bhargav, G. Sai Kumar, M. Ganesh Reddy, P. Ramesh, U. Purushotham Reddy	Mr. S. Lovaraju	PO#1, PO#2, PO#3, PO#4, PO#5, PO#6, PO#12
	Publication: An Experimental Research on Partial Replacement of Fine Aggregate with Granite Powder, Vol. 11, April 2023 ISSN (Print): 2321-9653, IC Value: 45.98, IF: 7.429, Page No.: 1229-1232		

Head of the Department

Head of the Department
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ISSN No. : 2321-9653

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Certificate

It is here by certified that the paper ID : IJRASET50216, entitled

An Experimental Approach for the Study on Mechanical Properties of M30 Grade Concrete when the Steel Fibers are Induced

by

T. Naidu

after review is found suitable and has been published in Volume 11, Issue IV, April 2023

in

International Journal for Research in Applied Science & Engineering Technology

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It is here by certified that the paper ID : IJRASET50213, entitled

An Experimental Approach to Study the Properties of Self Healing Concrete by Replacing Fine Aggregate with Glass Powder and Demolished Waste

by

P. Hara Gopal

after review is found suitable and has been published in Volume 11, Issue IV, April 2023

in

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(International Peer Reviewed and Refereed Journal)

Good luck for your future endeavors

By

Editor in Chief, IJRASET

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
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Volume 11 Issue IV Apr 2023- Available at www.ijraset.com

An Experimental Approach to Strength Assessment of Concrete by Fractional Substitution of the Fine Aggregate with Expanded Polystyrene Beads

D. V. Shanmukesh[1], B. V. Ramana Murty[2], M. Sai Ram[3], P. Chandra[4], S. Anand[5], S. Lokesh kumar[6], S. Teja[7]
[1]M.E. (Ph. D) Sr. Professor NSRIT (A) (Guide), [2, 3, 4, 5, 6, 7]B.Tech, Department of Civil Engineering, JNTU-GV ,

Abstract: *Constructions are two types RCC and Steel Structures. In our Country most of the constructions are of RCC. Not only in our country but also in the world most constructions are of RCC type in which Concrete is been used. Even though Cost of concrete is comparatively less than steel, but is somewhat costlier. Ingredients of concrete are water, cement, coarse, sand. But Concrete is Heavier in weight. And when considered for precast structures those might fail at lifting due to mismatch of eccentricity by its own weight. So, in this project Sand in concrete is been partially replaced with Expanded polystyrene (EPS) beads, of 10 to 50 of intermediate percentages and it's compressive strength and Split Tensile Strength are been checked. Because, to reduce cost parameter and also to check the increase of strength parameter which might be an hope. EPS Beads is been considered because it is cheap and abandoned.*

Keywords: *EPS Beads , M20Concrete, etc.*

I. INTRODUCTION

A composite material that consists essentially of a binding medium, such as a mixture of portland cement and water, within which are embedded particles or fragments of aggregate, usually a combination of fine and coarse aggregate. Concrete is by far the most versatile and most widely used construction material worldwide. It can be engineered to satisfy a wide range of performance specifications, unlike other building materials, such as natural stone or steel, which generally have to be used as they are. Because the tensile strength of concrete is much lower than its compressive strength, it is typically reinforced with steel bars, in which case it is known as reinforced concrete.

A. EPS Beads

EPS, or expanded polystyrene, is a rigid cellular plastic originally invented in Germany by BASF in 1950. It has been used in packaging solutions since 1958. It is 98% air but the rest is made from tiny, spherical EPS beads - themselves made only of carbon and hydrogen. EPS structures are produced through a 3 part process called steam moulding that expands these tiny beads to more than 40 times their original size. This expanding process is precisely timed to determine the size the beads will finally reach. It is this final density of the expanded beads that determines the strength of the structure. After the first stage the beads are left to absorb air for between 24 and 48 hours. In the final stage the freshly expanded beads are poured into individually manufactured moulds where steam and pressure are applied to compress and bond the beads into a final structure of the required strength and density.

B. Composition

There are two principal components of EPS: solid styrenic polymer (polystyrene beads) and a blowing agent. The information below will detail the technical information on the components of EPS

II. APPLICATION

A. Construction

1) Floor, Ceiling and Wall Insulation
2) Structural Insulated Panels (SIPs)
3) Sheathing
4) Geofoam
5) Door Cores
6) Insulating Concrete Forms (ICFs)

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An Experimental Approach to Study the Properties of Self-Healing Concrete by Replacing Fine Aggregate with Glass Powder and Demolished Waste

P. Hara Gopal[1], D. Mouli[2], K. Bhaskara rao[3], K. Sunil kumar[4], M. Raj[5], P. P. S. Sowmya[6]
[1]Asst. Professor NSRIT (A) (Guide), [2,3,4,5,6]B.Tech, Department of Civil Engineering, JNTU-GV

Abstract: Bacterial concrete is a material, which can successfully remediate cracks in concrete. This technique is highly desirable because the mineral precipitation induced as a result of microbial activities is pollution free and natural. To repair the cracks in concrete is a tedious job and in turn is expensive. So to avoid these, a special bacteria is induced in the concrete which reacts with calcium to form calcium carbonate crystals which blocks the cracks formed in the concrete. To make the Bacterial Concrete more affective in crack reduction, we used glass powder as partial replacement for fine aggregate of about 15 percentage. And construction waste is completely replaced in place of coarse aggregate.
Keywords: Bacterial Concrete, Calcium carbonate crystals, Glass Powder, Construction debris, Workability, etc.

I. INTRODUCTION

To overcome this problem (crack failures) the concrete is prepared with the addition of bacteria which tends to heal (block the cracks) the concrete by itself. A bacteria known as Bacillus Bacteria. Bacillus bacteria is a group of different Bacterial family which contains Bacillus Megaterium, Bacillus pseudofirmus, Bacillus subtillis, Bacillus pasteurii, Sporosarcina pasteurii, etc.,. The Bacillus Megaterium is the bacteria used in this experimental approach. Bacillus Megaterium reacts with calcium and forms precipitation of calcium carbonate crystals, which usually blocks the cracks. In addition to bacterial concrete, we use glass powder as partial replacement to fine aggregate (sand) of about 15 percentage. Glass powder gives shining appearance to the concrete, it is also act as a water resistant material. The course aggregate was fully replaced by the demolished waste (construction waste) which improves strength of concrete. These are some of the major waste materials produced from the community. So by implementing this technique we can reuse some amount of industrial & constructional waste in construction work.

II. OBJECTIVE OF THE STUDY

1) To develop and observe the strength comparison of self-healing concrete with normal concrete.
2) To Develop efficient self-healing techniques for the cracks developed by creep of concrete.
3) To observe the healing of cracks by bacterial precipitation.
4) To investigate the effect of bacillus megaterium bacteria in gaining strength.
5) To observe the effect of demolished waste and glass powder in concrete before and after mixing.

III. BACTERIA

Bacillus megaterium is a soil-dwelling bacteria that is commonly used in agriculture as a bio-fertilizer. It can fix atmospheric nitrogen in the soil, making it available to plants, and can also produce plant growth-promoting compounds such as indole acetic acid and gibberellins. Additionally, B. megaterium can also act as a bio-pesticide by producing compounds that inhibit the growth of plant pathogens. It can also be used to ferment organic waste and produce organic acids and enzymes which can be used as a soil conditioner. Bacillus megaterium is a motile rod-like, Gram-positive, mainly aerobic and spore forming bacterium ubiquitous in the environment. Bacillus megaterium bacteria is mixed in liquid form to concrete.

Properties of Bacillus Megaterium bacteria
Scientific Name = Priestia Megaterium
Size of Bacteria = 4*1.5 microns

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Student Online certification Courses

VIII Semester (2022-2023)

S. No	Name of the Student	Name of the course	Duration	Learning Platform
1	Bagana Venkata Ramana Murty	Computer networks	12 Weeks	NPTEL
2	Bonda Sai Bhargav	AUTO CAD 3D	30	Itronix solution
3	Kadamati Viswanath	Cyber security	30	ISEA
4	Kakkala Murali	IOT	12 Weeks	NPTEL
5	Modi Anata Rao	Cyber security	30	ISEA
6	ChelluriBabji	Cyber security	30	ISEA
7	Dharmana Mouli	Data Science	30	Board Infinity
8	Doddi Vamsi Krishna	Data Science	30	Board Infinity
9	Gadili Sai Kumar	Cyber security	30	ISEA
10	Kanakam Bhaskara Rao	Cyber security	30	ISEA
11	KanisettyBhaskararao	Cyber security	30	ISEA
12	KasireddiBaskhar Rao	Data Science	30	Board Infinity
13	Kuppili Sunil Kumar	Big Data Analytics with Python	12 Weeks	NPTEL
14	Mahanti Anil Ganesh	Cyber security	30	ISEA
15	Majji Ganesh Reddy	Data Science	30	Board Infinity
16	Meragana Sai Ram	Python Programming	30	ETS Knowledge Transformation
17	Muvvala Raj	Cyber security	30	ISEA
18	Pachikoru Ramesh	Python Programming	30	ETS Knowledge Transformation
19	Pasupuleti Padma Sri Sowmya	Cyber security	30	ISEA
20	Peela Chandra	Data Science	30	Board Infinity
21	Pentapati Sai Venkatesh	Python Programming	30	ETS Knowledge Transformation
22	Salapu Anand	Python Programming	30	ETS Knowledge Transformation
23	Seera Lokesh Kumar	Data Science	30	Board Infinity
24	Singampalli Teja	Python Programming	30	ETS Knowledge Transformation
25	SurapuDurgaprasad	Data Science	30	Board Infinity
26	UppadaPurushotham Reddy	python programming	30	ETS Knowledge Transformation
27	Vemala Durgaprasad	Data Science	30	Board Infinity

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V Semester (2022-2023)

S. No	Name of the Student	Name of the course	Duration	Learning Platform
1	AyiladaBalaraja Narendra Shankar	Building a road using civil 3D	42 hours	Infosys Springboard
2	Baltanki Manasa	Building a road using civil 3D	42 hours	Infosys Springboard
3	Kunuku Kusuma Kumari	Building a road using civil 3D	42 hours	Infosys Springboard
4	Madhupada Hema	Building a road using civil 3D	42 hours	Infosys Springboard
5	Majji Vinay Purusholtam	Building a road using civil 3D	42 hours	Infosys Springboard
6	Malla Tejasai	Building a road usingcivil 3D	42 hours	Infosys Springboard
7	Medisetti Ajay Ram	Building a road using civil 3D	42 hours	Infosys Springboard
8	MutchakarlaLakshmanudu	Building a road usingcivil 3D	42 hours	Infosys Springboard
9	Nanireddi Bharath Kumar	Building a road using civil 3D	42 hours	Infosys Springboard
10	Pudi Tharun Kumar	Building a road using civil 3D	42 hours	Infosys Springboard
11	Pyla Dhanush Kumar	Building a road using civil 3D	42 hours	Infosys Springboard
12	Randhi Manisha	Building a road usingcivil 3D	42 hours	Infosys Springboard
13	Rokkam Viswas	Building a road using civil 3D	42 hours	Infosys Springboard
14	Rongali Mani Shankar	Building a road using civil 3D	42 hours	Infosys Springboard
15	Salla Kalyan Kumar	Building a road using civil 3D	42 hours	Infosys Springboard
16	Tamatapu Tarun	Building a road using civil 3D	42 hours	Infosys Springboard
17	Uppuluri Sathwik Raju	Building a road using civil 3D	42 hours	Infosys Springboard
18	Vasireddi Anusha	Building a road using civil 3D	42 hours	Infosys Springboard
19	G. Manohar	Building a road using civil 3D	42 hours	Infosys Springboard
20	K.L.P. Devi	Building a road using civil 3D	42 hours	Infosys Springboard
21	K. Upendra	Building a road using civil 3D	42 hours	Infosys Springboard
22	K.V.N.S.S. Ajay Sri Ram	Building a road using civil 3D	42 hours	Infosys Springboard
23	M. Siva	Building a road using civil 3D	42 hours	Infosys Springboard
24	P. Durga Prasad	Building a road usingcivil 3D	42 hours	Infosys Springboard
25	S. Rakesh	Building a road using civil 3D	42 hours	Infosys Springboard
26	T. Sai Kumr	Building a road using civil 3D	42 hours	Infosys Springboard
27	V. Lokesh	Building a road usingcivil 3D	42 hours	Infosys Springboard
28	V. Anil	Building a road using civil 3D	42 hours	Infosys Springboard
29	K. Venu	Building a road using civil 3D	42 hours	Infosys Springboard

Head of the Department

Head of the Department
Dept. of Civil Engineering
K.S. Raju Institute of Technology(A)
Sontyam, Visakhapatnam-531173.

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

KUPPILI SUNIL KUMAR

for successfully completing the course

Big Data Analytics with Python

with a consolidated score of 60 %

Online Assignments	23.69/25	Proctored Exam	36.21/75

Total number of candidates certified in this course: 6573

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No:NPTEL22CS53S24421829

To validate and check scores: https://nptel.ac.in/noc

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

B V RAMANA MURTY

for successfully completing the course

Introduction to Computer Networks

with a consolidated score of **60** %

Online Assignments	23.69/25	Proctored Exam	36.21/75

Total number of candidates certified in this course: 6573

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL22CS53S24421821

To validate and check scores: https://nptel.ac.in/noc

COURSE COMPLETION

El-Shaddai
Training Solution

Certificate

Non Stop Enlightenment

This is to certify that PACHIKORU RAMESH

has attended the webinar on Python, conducted by El-Shaddai Training Solution in association with Non Stop Enlightenment and competed the course

Authorized Signatory

www.samueledison.com | training@samueledison.com | www.ets-india.in

Channel : https://YouTube.com/NonStopEnlightenment

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

KAKKALA MURALI

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of 60 %

Online Assignments	23.69/25	Proctored Exam	36.21/75

Total number of candidates certified in this course: 6573

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL22CS53S24421821

To validate and check scores: https://nptel.ac.in/noc

BOARD

CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS AWARDED TO

Bhaskar Kasireddi

for successfully completing Microlearning Course in

Data Science

11-01-2023	Board Infinity	BI-2011115421178
Issued Date	**Issued By**	**Certificate No.**

www.isea.gov.in

Ministry of Electronics & Information Technology,
Government of India

Cyber Security Pledge

Certificate

Certificate No : ISEA/PDG/STUDENT/051352

This is to certify that ***Modi Anatarao*** has taken the

Cyber Security Pledge for Students

and will remain committed to be cyber aware and alert in safeguarding self and others against possible cyber crimes or frauds in the digital space, by following secured and hygienic online practices.

Shri . Ch A S Murty.
Coordinator, ISEA PMU
Information Security Education and Awareness Phase - II

Issued Date : 12-04-2023

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COURSE COMPLETION CERTIFICATE

The certificate is awarded to

LAKSHMANUDU MUTCHAKARLA

for successfully completing the course

Building a Road using Civil 3D

on Friday, October 28th 2022

Infosys | Springboard

Congratulations! You make us proud!

Thirumala Anjhi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Wednesday, November 2nd 2022
This certificate can be verified by scanning the QR code at https://verify.onwingspan.com

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The certificate is awarded to

BHARATH KUMAR NANIREDDI

for successfully completing the course

Building a Road using Civil 3D

on Thursday, October 27th 2022

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Senior Vice President and Head
Education, Training and Assessment (ETA)
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COURSE COMPLETION CERTIFICATE

The certificate is awarded to

TEJASAI MALLA

for successfully completing the course

Building a Road using Civil 3D

on Monday, November 28th 2022

Infosys | Springboard

Congratulations! You make us proud!

Thirumala Anshi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Tuesday, November 29th 2022
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COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Ajay Ram

for successfully completing the course

Building a Road using Civil 3D

on Thursday, October 27th 2022

Infosys | Springboard

Congratulations! You make us proud!

Thirumala Anshi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Monday, November 28th 2022
This certificate can be verified by scanning the QR code at https://verify.onwingspan.com

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COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Ballanki Manasa

for successfully completing the course

Building a Road using Civil 3D

on Thursday, October 27th 2022

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Congratulations! You make us proud!

Thirumala Arshi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Monday, October 31st 2022
This certificate can be verified by scanning the QR code at https://verify.onwingspan.com

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COURSE COMPLETION CERTIFICATE

The certificate is awarded to

kunuku kusumakumari

for successfully completing the course

Building a Road using Civil 3D

on Thursday, October 27th 2022

Infosys | Springboard

Congratulations! You make us proud!

Thirumala Arshi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Friday, October 28th 2022
This certificate can be verified by scanning the QR code at https://verify.onwingspan.com

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COURSE COMPLETION CERTIFICATE

The certificate is awarded to

madhupada hema

for successfully completing the course

Building a Road using Civil 3D

on Wednesday, October 26th 2022

Infosys | Springboard

Congratulations! You make us proud!

Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)

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COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Vinay Majji

for successfully completing the course

Building a Road using Civil 3D

on Thursday, October 27th 2022

Infosys | Springboard

Congratulations! You make us proud!

Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Friday, October 28th 2022

NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)

(Approved by AICTE, New Delhi | Affiliated to JNTUK, Kakinada | An ISO 9001, ISO 14001 & ISO 45001 Certified Institution)
Recognized under 2(f) of the UGC Act 1956 | Accredited by NAAC with 'A' Grade (3.10/4.00)
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of Online Certification Courses

IV-I ODD SEM				
No.	Name of the Student	Name of the Course	Duration (WEEKS)	Learning Platform
1	JAYANTH PRAJAPATHI	INTRODUCTION OF INTERNET OF THE THINGS	12 WEEKS	NPTEL
2	SADARAM JAYASRI	INTRODUCTION OF INTERNET OF THE THINGS	12 WEEKS	NPTEL
3	PREETHI DAS	INTRODUCTION OF INTERNET OF THE THINGS	12 WEEKS	NPTEL
4	PANAUT ROHIT NAIR	INTRODUCTION OF INTERNET OF THE THINGS	12 WEEKS	NPTEL
5	SANDEEP PIDUGU	PROBLEM SOLVING THROUGH PROGRAM IN C	12 WEEKS	NPTEL
6	JANAPAREDDI MOUNIKA	PROBLEM SOLVING THROUGH PROGRAM IN C	12 WEEKS	NPTEL
7	SOMAVARAPUPETA GOWTHAM	PROBLEM SOLVING THROUGH PROGRAM IN C	12 WEEKS	NPTEL
8	VISHAL SANTHARAM JADAV	PROBLEM SOLVING THROUGH PROGRAM IN C	12 WEEKS	NPTEL
9	SHAIK NAWAZ SHAREEF	PROBLEM SOLVING THROUGH PROGRAM IN C	12 WEEKS	NPTEL
10	PAVANI PRATHYUSHA DANGETI	PROBLEM SOLVING THROUGH PROGRAM IN C	12 WEEKS	NPTEL
11	PATNALA SRI VEERA VENKATA MANIKANTA	SYSTEM DESIGN THROUGH VERILOG	8 WEEKS	NPTEL
12	KALYAN NEMANI	INTRODUCTION TO MACHINE LEARNING	8 WEEKS	NPTEL
13	PALLA HEMANTH	INTRODUCTION TO INDUSTRY 4.0 AND IOT	12 WEEKS	NPTEL
14	BHAGI THANVI TRILOCHANA	INTRODUCTION TO INDUSTRY 4.0 AND IOT	12 WEEKS	NPTEL
15	SRAVAN KUMAR TUMALA	VLSI SYSTEM ON CHIP DESIGN	24 HOURS	MAVEN SILICON
16	ALLANKI BHANU PRAKASH	VLSI SYSTEM ON CHIP DESIGN	24 HOURS	MAVEN SILICON
17	KM. SAIDURGA	VLSI SYSTEM ON CHIP DESIGN	24 HOURS	MAVEN SILICON
18	SIGADAM PRAVALLIKA	VLSI SYSTEM ON CHIP DESIGN	24 HOURS	MAVEN SILICON
19	LAKKARAJU PAVAN KUMAR	VLSI SYSTEM ON CHIP DESIGN	24 HOURS	MAVEN SILICON
20	POTHARAJU SANJU VARA PRASAD	VLSI SYSTEM ON CHIP DESIGN	24 HOURS	MAVEN SILICON
21	RATNALA SOWJANYA	VLSI SYSTEM ON CHIP DESIGN	24 HOURS	MAVEN SILICON
22	TURANGI ROHIT KUMAR	TECHNICAL SUPPORT FUNDAMENTALS	24 HOURS	COURSERA
23	MADHUKAR ACHARYA	JAVA PROGRAMMING MASTERCLASS UPDATED TO JAVA 17	101 HOURS	UDEMY
24	SIRIPURAPU MYTHREE	PYTHON FUNDAMENTALS FOR BEGINNERS	24 HOURS	GREAT LEARNING

25	YARRA BHASKARA RAO	PYTHON FOR BEGINNERS	24 HOURS	SKILLUP
26	ALLANKI BHANU PRAKASH	DATASCIENCE2.0 MASTERCLASS	30 DAYS	PANTECH SOLUTIONS
27	JAYANTH PRAJAPATHI	JAVA FULL STACK MASTER CLASS	30 DAYS	PANTECH SOLUTIONS
28	KALISETTI MANISH	DATASCIENCE2.0 MASTERCLASS	30 DAYS	PANTECH SOLUTIONS
29	MAJJI AKSHAYA	DATASCIENCE2.0 MASTERCLASS	30 DAYS	PANTECH SOLUTIONS
30	VINOD KUMAR AGURU	BASICS OF PYTHON	24 HOURS	INFOSYS
31	HEMANTH PATNAIK KARAKAVALASA	CSS EXERCISES	3 HOURS	IBM SKILLS BUILD
32	MADHU SAI VEMPALLI	CYBERSECURITY VIRTUAL INTERNSHIP	10 WEEKS	EDU SKILLS
33	DEVI VARAPRASAD GUMPINA	VLSI DESIGN	6 WEEKS	INTERNSHALA TRAININGS

	IV II EVEN SEM			
No.	**Name of the Student**	**Name of the Course**	**Duration (WEEKS)**	**Learning Platform**
1	PATNALA SRI VEERA VENKATA MANIKANTA	ANALOG CIRCUITS	8 WEEKS	NPTEL
2	MOUNIKA VANGALA	ANALOG CIRCUITS	8 WEEKS	NPTEL
3	PERI VENKATA PAVAN SAKETH	INTRODUCTION TO WEB DEVELOPMENT WITH HTML, CSS, JAVASCRIPT	24 HOURS	COURSERA
4	PERI VENKATA PAVAN SAKETH	CRASH COURSE ON PYTHON	24 HOURS	COURSERA
5	PERI VENKATA PAVAN SAKETH	GET STARTED WITH FIGMA	24 HOURS	COURSERA
6	SAI TEJA PONNADA	MACHINE LEARNING FOUNDATIONS: A CASE STUDY APPROACH	24 HOURS	COURSERA
7	SANJU VARAPRASAD POTHARAJU	PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON)	24 HOURS	COURSERA
8	TURANGI ROHIT KUMAR	THE BITS AND BYTES OF COMPUTER NETWORKING	24 HOURS	COURSERA
9	GIDUTHURI SURYA VENKATA DURGESH	THE PYTHON MEGA COURSE: LEARN PYTHON IN 50 DAYS WITH 20 APPS	47.5 HOURS	UDEMY
10	SOMAVARAPUPETA GOWTHAM	THE COMPLETE 2023 WEB DEVELOPMENT BOOTCAMP	65.5 HOURS	UDEMY
11	YERRAMSETTI JAGADI NAGESWARARAO	PYTHON FOR DATA ANALYSIS	24 HOURS	GREAT LEARNING
12	SHARATH CHANDRA	PROGRAMMING BASICS	24 HOURS	GREAT LEARNING

13	YERNAIDU PARRI	FRONT END DEVELOPMENT	24 HOURS	GREAT LEARNING
14	LATHA VISANAGIRI	CLOUD FOUNDATIONS- ADVANCED	24 HOURS	GREAT LEARNING
15	LATHA VISANAGIRI	DATA SCIENCE FOUNDATIONS	24 HOURS	GREAT LEARNING
16	LATHA VISANAGIRI	MARKETING &RETAIL ANALYTICS-ADVANCED	24 HOURS	GREAT LEARNING
17	BALLANKI DURGA PRASAD	PROGRAMMING BASICS	24 HOURS	GREAT LEARNING
18	SARANYA YALLA	CYBER FORENSICS	24 HOURS	GREAT LEARNING
19	MANISH KALISETTI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
20	DOGGA MANASA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
21	DODDI MEGHANASANDHYA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
22	GAVARA SAILENDRA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
23	ALLANKI BHANUPRAKASH	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
24	PERI VENKATAPAVANSAKETH	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
25	RAGHUPATRUNI MEGHANA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
26	PALLA HEMANTH	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
27	PULAKALA GANESH	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
28	ANUPOJU NAGENDRA KUMAR	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
29	KALYAN NEMANI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
30	YEDDIBILLI SURYA VAMSI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
31	KATTA BALA VEERA SWAMY	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
32	THANVI TRILOCHANABHAGI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
33	NUNELA SAI KUMAR	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
34	NEKKANTI SAI NAGA BHARGAV	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
35	MANDALA DURGA SRI PRASAD	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION

36	BANKA NARESH	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
37	CHENNAPURAM PAVANI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
38	MOKARA VARSHINI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
39	GALLA REVATHI DEVI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
40	CHEBROLU SATHWIKA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
41	LALAM VASANTHA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
42	JANAPAREDDI MOUNIKA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
43	YARRA BHASKARA RAO	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
44	SEELA SHARMILA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
45	SIGADAM PRAVALLIKA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
46	RAI ASHADEEPIKA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
47	MAJHI LIKHITHA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
48	KOLLA MOUNIKA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
49	JEEVAN KUMAR KEELU	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
50	TAMMINANA AVINASH	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
51	CHANDRA SHEKHAR NAGIREDDI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
52	GULIVINDALA KHUSHBU	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
53	JANYALA VENKAT AKASH	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
54	KALISETTY SAI GANESH MANIKANTA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
55	KARTHIKTEJA SUNKARI	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION

56	BUDITI APARNA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
57	ANIL SENA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
58	PIDUGU SANDEEP	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	35 DAYS	NIIT FOUNDATION
59	MOUNIKA MOPADA	PROGRAM IN GLOBAL DESK SUPPORT (FASTRACK)	60 DAYS	NIIT FOUNDATION
60	TIRLANGI UDAY KIRAN	DATA SCIENCE	24 HOURS	BOARD
61	YANNAMREDDY NARASIMHA REDDY	DATA SCIENCE	24 HOURS	BOARD
62	PAVAN KALYAN KUPPALA	DATA SCIENCE	24 HOURS	BOARD
63	SANJAY MANTHA	DATA SCIENCE	24 HOURS	BOARD
64	KANCHARIMESTHRI SAIDURGA	DATA SCIENCE	24 HOURS	BOARD
65	PUSHPA LATHA	DATA SCIENCE	24 HOURS	BOARD
66	CHENNAPURAM PAVANI	DATA SCIENCE	24 HOURS	BOARD
67	VUDUKULA KALYANI	DATA SCIENCE	24 HOURS	BOARD
68	THANVI TRILOCHANA	DATA SCIENCE	24 HOURS	BOARD
69	RAMBHA RANJITH	DATA SCIENCE	24 HOURS	BOARD
70	RATNALA SOWJANYA	DATA SCIENCE	24 HOURS	BOARD
71	GANESH	DATA SCIENCE	24 HOURS	BOARD
72	MANDAL KONDRA RAJKIRAN	DATA SCIENCE	24 HOURS	BOARD
73	SRAVAN KUMAR TUMULA	DATA SCIENCE	24 HOURS	BOARD
74	RAGHUPATRUNI MEGHANA	DATA SCIENCE	24 HOURS	BOARD
75	HEMANTH PALLA	DATA SCIENCE	24 HOURS	BOARD
76	JAYANTH PRAJAPATHI	DATA SCIENCE	24 HOURS	BOARD
77	DOGGA MANISHA	DATA SCIENCE	24 HOURS	BOARD
78	JAMI KIRAN KUMAR	DATA SCIENCE	24 HOURS	BOARD
79	BHANU PRAKASH	DATA SCIENCE	24 HOURS	BOARD
80	MOKARA VARSHINI	DATA SCIENCE	24 HOURS	BOARD
81	ACHARAYA MADHUKAR	DATA SCIENCE	24 HOURS	BOARD
82	K SIRISHA	DATA SCIENCE	24 HOURS	BOARD
83	SRIYA VARMACHINTHALAPATI	DATA SCIENCE	24 HOURS	BOARD
84	CHALLA KANAKAMAHALAXMI	DATA SCIENCE	24 HOURS	BOARD
85	LALAM VASANTHA	DATA SCIENCE	24 HOURS	BOARD
86	PEDIREDLA MOHANRAO	DATA SCIENCE	24 HOURS	BOARD
87	VISHAL JADAV	DATA SCIENCE	24 HOURS	BOARD
88	MADHU SAI VEMPALLI	DATA SCIENCE	24 HOURS	BOARD
89	SANJU VARA PRASAD	DATA SCIENCE	24 HOURS	BOARD
90	PREM PALLA	DATA SCIENCE	24 HOURS	BOARD
91	MAJJI AKSHAYA	DATA SCIENCE	24 HOURS	BOARD
92	LAKKARAJU PAVAN KUMAR	DATA SCIENCE	24 HOURS	BOARD

93	BHASKARARAO YERRA	DATA SCIENCE	24 HOURS	BOARD
94	SHANMUKH SAGAR KUMAR	DATA SCIENCE	24 HOURS	BOARD
95	PONNADA SAI TEJA	DATA SCIENCE	24 HOURS	BOARD
96	SEELA SHARMILA	DATA SCIENCE	24 HOURS	BOARD
97	SIGADAM PRAVALLIKA	DATA SCIENCE	24 HOURS	BOARD
98	KEELU GOWTHAMI	DATA SCIENCE	24 HOURS	BOARD
99	B. MANISH KUMAR	DATA SCIENCE	24 HOURS	BOARD
100	POLIPILLI SANKAR RAO	DATA SCIENCE	24 HOURS	BOARD
101	SONABHA PREETHI	DATA SCIENCE	24 HOURS	BOARD
102	SHAIK NAWAZ SHAREEF	DATA SCIENCE	24 HOURS	BOARD
103	SARANYA YALLA	DATA SCIENCE	24 HOURS	BOARD
104	RAYAVALASA SAI VENKAT PREETHAM	DATA SCIENCE	24 HOURS	BOARD
105	KUPPALA PAVAN KALYAN	GETTING PYTHON INTERVIEW READY	24 HOURS	SKILLUP
106	VATSAVAYI SATYANARAYANA RAJU	PROGRAMMING WITH PYTHON 3.X	24 HOURS	SKILLUP
107	VATSAVAYI SATYANARAYANA RAJU	INTRODUCTION TO IOT	24 HOURS	SKILLUP
108	SHANMUKH SAGAR KUMAR	MASTERCLASS ON MACHINE LEARNING	30 DAYS	PANTECH SOLUTIONS
109	SHANMUKH SAGAR KUMAR	MASTERCLASS ON WEB DEVELOPMENT USING REACT JS	30 DAYS	PANTECH SOLUTIONS
110	MEGHAMS NAGA SAI CHINTALAPUDI	SOFTWARE DEVELOPER	26 HOURS	IN LEARNING
111	BANKA NARESH	SOFTWARE DEVELOPER	26 HOURS	IN LEARNING
112	PONNADA SAI TEJA	SOFTWARE DEVELOPER	26 HOURS	IN LEARNING
113	N SAI KUMAR	WEB DEVELOPMENT	24 HOURS	WORIN WELL
114	K. TRIVENI	WEB DEVELOPMENT	24 HOURS	WORIN WELL
115	GAVARA SAILENDRA	COMMUNICATION SKILLS	24 HOURS	TCS ION
116	MEDISETTI TEJESH	FUNDAMENTALS OF DATA ANALYTICS	24 HOURS	ANALYTTICA

III- I ODD SEM				
No.	**Name of the Student**	**Name of the Course**	**Duration (WEEKS)**	**Learning Platform**
1	KOVELA DINESH KUMAR	PYTHON FOR DATA SCIENCE	4 WEEKS	NPTEL
2	CHINTALA MUTHYALA V SATYA MURTHY	EMBEDDED SYSTEM DESIGN WITH ARM	8 WEEKS	NPTEL
3	ARON ABRAHAM	ANALOG COMMUNICATIONS	12 WEEKS	NPTEL
4	BOYI JANAKIRAN	THE JOY OF COMPUTING USING PYTHON	12 WEEKS	NPTEL
5	ALETI V M R BHARATH KUMAR	THE JOY OF COMPUTING USING PYTHON	12 WEEKS	NPTEL
6	AMANCHI SAI SURYA KIRAN	DIGITAL CIRCUITS	12 WEEKS	NPTEL

III-II EVEN SEM				
No.	Name of the Student	Name of the Course	Duration (WEEKS)	Learning Platform
1	CHINTALA MUTYALA V SATYA MURTHY	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
2	KADAMATI GNANESWARA RAO	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
3	NARENDRUNI SANDEEP	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
4	BONDALA PAVAN KUMAR	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
5	KOTYADA VIJAYALAKSHMI	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
6	ARON ABRAHAM	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
7	GADI POORNA JHANSI	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
8	GULIPILLI KARISHMA RANI	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
9	BOYI JANAKIRAM	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
10	USHA SURYAVATHI GANDHAM	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
11	ALETI V M R BHARATH KUMAR	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL
12	ADAPA GOWRI PRASAD	CMOS DIGITAL VLSI DESIGN	8 WEEKS	NPTEL

HOD-ECE

Head of the Department
Dept. of Electronics & Communicatn Engg
N.S. Raju Institute of Technology
Sontyam, Visakhapatnam - 531173

CERTIFICATE NO : PS-ESD2-2022-0292

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Prof. Andrew Thangaraj
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of Projects and Outcomes Addressed (POs & PSOs)

No.	Name of the Students	Name of the Guide	POs & PSOs Addressed
1	D. Pushpa Latha, KM. Sai Durga, D. Sharath Chandra, M. Varshini	Dr. B. Siva Prasad	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Robot for Rescue Operation", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Volume 12, Issue 03, March-2023, pp.289-290		
2	A. Madhukar, K. Sirisha, CH. Sriya Varma, CH. Kanaka Mahalaxmi	Dr. K. Ravi Kumar	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Authenticated Access for Vehicle And Speed Monitoring Through IoT", International Journal for Research Trends and Innovation (IJRTI), ISSN: 2456-3315, Volume 8, Issue 4, March-2023, pp.299-304		
3	G. Lakshmi, B.V. Niharika, E.H.S. Vyshnavi, CH. Lakshmi Prasanna	Dr. Virender Singh	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Design And Implementation Of 1-Bit ALU Using Reversible Logic", Journal of Data Acquisition and Processing (JDAP), ISSN: 1004-9037, Volume 38, Issue 2, April-2023, pp. 3885-3891		
4	L. Vasantha, B. Thanvi Trilochana, K. Bala Veera Swamy, A. Vinod Kumar	Mr. B. Ravi Chandra	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Wireless Black Box For Vehicles Using Sensors And GSM Module", International Journal of Novel Research and Development (IJNRD), ISSN: 2456-4184, Volume 8, Issue 3, March-2023, pp.776-781		

5	G. Revathi Devi, K. Pavan Kalyan, CH. Sathwika, M V K. Sanjay	Mrs. M V S Roja Ramani	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Weed Detection Using Raspberry Pi Based On Image Processing", International Journal of Scientific Development and Research (IJSDR), ISSN: 2455-2631, Volume 8, Issue 4, April-2023, pp.215-219		
6	K. Triveni, K. Hemanth Patnaik, M. Durga Sri Prasad, G. Surya Venkata Durgesh	Mr. M. Veeraiah	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Home Automation for Disable Person Using Voice Tag", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Volume 12, Issue 03,March-2023, pp.302-304		
7	J. Mounika, D. Meghana Sandhya, A. Bhanu	Mr. K. Rajasekhar	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Under Water Surveillance And Rescue Drone With Camera", International Journal		
8	K. Mounika, M. Likhitha, A. Nagendra Kumar, M.K. Rajkiran	Mr. Y. Sravana Kumar	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Attendance Monitoring System Using Multiple Face Recognition With SMS Alert", International Journal of Novel Research and Development (IJNRD), ISSN: 2456-4184, Volume 8, Issue 4, April-2023, pp.590-593		
9	Jayanth Prajapathi, K. Manish, D. Manisha, J. Kiran Kumar	Mrs. Y. H. D. Aparna	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Embedded Controlled Smart Inverter", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, Volume 10, Issue 4, April-2023, pp.350-356		
10	M. Akshaya, CH. Pavani, L. Pavan Kumar, B. Naresh	Mr. G. Siva Suresh Kumar	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Smart Bore Well Child Rescue System Through Wireless Monitoring Using Artificial Intelligence", International Journal of Novel Research and Development (IJNRD), ISSN: 2456- 4184, Volume 8, Issue 4, April-2023, pp.669-673		

11	J. Venkat Akash, G. Khushbu, K. Sai Ganesh Manikanta, Ch. Manikanta Gupta	Mr. M. Veeraiah	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Real-Time Safety Measure in Railways Using RFID and Embedded System", International Journal of Research and Analytical Reviews (IJRAR), ISSN 2349-5138, Volume 10, Issue 1, March-2023, pp.662-665		
12	D. Pavani Prathyusha, Kalyan Nemani, K. Jeevan Kumar, B. Durga Prasad	Mr. K.Y.K.G.R. Srinivasu	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "A Smart Solar PV Monitoring And Cleaning System", International Journal for Research Trends and Innovation (IJRTI), ISSN: 2456-3315, Volume 8, Issue 4, March-2023, pp.05-07		
13	S. Jayasri, S. Pravallika, R. Sai Venkata Preetham	Mrs. E. Manemma	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Wireless Electric Vehicle Charging System", International Journal of Novel Research and Development (IJNRD), ISSN: 2456-4184, Volume 8, Issue 4, April-2023, pp.524- 527		
14	Preeti Das, S. Mythree, P. Yernaidu, B. Manish Kumar	Dr. B. Siva Prasad	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "IoT Virtual Doctor Robot", International Journal of Novel Research and Development (IJNRD), ISSN: 2456-4184, Volume 8, Issue 4, April-2023, pp.704-707		
15	P. Sandeep, Y. Narasimha Reddy, V. Madhu Sai	Mrs. A. Vijaya Sri	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "EVM Through ID and Fingerprint Verification Using RFID", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Volume 12, Issue 03, March-2023, pp.318-320		
16	P.S.V.V. Manikanta, K. Gowthami, R. Asha Deepika, G.D. Vara Prasad	Dr. B. Siva Prasad	PO #01 – PO #12, PSO 1 & PSO 2

	Publication: "Design of Frequency Reconfigurable Swastik Patch Antenna for 5G & satellite Communication", Journal of		
17	R. Meghana, P. V. Pavan Saketh, T. Rohit Kumar, P. Sankara Rao	Mr. G. Durga Prasad	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Public Announcement System Using Arduino", International Journal for Research Trends and Innovation (IJRTI), ISSN: 2456-3315, Volume 8, Issue 4, March-2023, pp.137-140		
18	S. Sharmila, P. Sai Teja, P. Shanmukh Sagar Kumar, Y. Bhaskara Rao	Mr. S. Venkata Ramanaji Kalla,	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Smart Blind Stick", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Volume 12, Issue 03, March-2023, pp.315-317		
19	CH. Meghams, M. Mounika, M. Tejesh	Mr. Y. Sravana Kumar	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Salient Sound technology", International Journal of Novel Research and		
20	V. Satyanarayana Raju, V. Mounika, P. Ganesh, V. Latha	Mr. K. Rajasekhar	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Detection Of Currency Notes For Blind", International Journal of Scientific Development and Research (IJSDR), ISSN: 2455-2631, Volume 8, Issue 4, April-2023, pp.278-		
21	N. Chandra Shekhar, Y. Surya Vamsi, R. Sowjanya, R. Ranjith	Mrs. A. Gowthami Naidu	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "CNC PCB Design Plotter Including Wood Engraving Machine Using Arduino", International Journal of Novel Research and Development (IJNRD), ISSN: 2456-4184, Volume 8, Issue 3, March-2023, pp.370-374		
22	J. Vishal, S. Anil, Y. J. Nageswara Rao, P. Mohan Rao	Mrs. M.V.S. Roja Ramani	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Automated Ventilator With Heart Rate And Spo2 Monitoring", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Volume 12, Issue 03, March-2023, pp.305-307		

23	B. Aparna, S. Karthik Teja, P. Sanju Vara Prasad, P. Prem	Mr. B. Ravi Chandra	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Voice Controlled Pick And Place Robot", International Journal of Novel Research and Development (IJNRD), ISSN: 2456-4184, Volume 8, Issue 4, April-2023, pp.370-374		
24	P. Rohit Nair, S. Gowtham, T. Avinash, Y. Saranya	Dr. Virender Singh	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: Not Yet Published		
25	N. Sai Kumar, N. Sai Naga Bhargav, V. Kalyani, T. Uday Kiran	Dr. K. Ravi Kumar	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "The Self Driving Car Using LIDAR", International Journal of Novel Research and Development (IJNRD), ISSN: 2456-4184, Volume 8, Issue 3, March-2023, pp.349-353		
26	T.Sravan Kumar, P.Hemanth, Sk. Nawaz Shareef, S. Preethi	Dr. B. Siva Prasad	PO #01 – PO #12, PSO 1 & PSO 2
	Publication: "Detection of Subclinical Keratoconus Using Machine Learning Algorithms", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Volume 12, Issue 03, March-2023, pp.299-301		

HOD ECE

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Robot for Rescue Operation

[1] D. Pushpa Latha, [2] KM. Sai Durga, [3] D. Sharath Chandra, [4] M. Varshini, [5] B. Siva Prasad

Abstract:

Robot rescuers to help save lives after disasters. Robots could scour avalanche sites, enter burning buildings or secure city streets contaminated by poisonous chemicals, saving lives and increasing the effectiveness of rescue missions. Scientific advances in robotics research are moving the technology from predictable spaces like production lines into disaster zones. After earthquakes, accidents, avalanches or explosions, robots can take the place of their human teammates, cutting risk to human life and helping boost the chances of rescuing victims. To be most useful in a disaster situation, robots need to work hand in hand with humans. In the case of an avalanche, robots could scour the skies and the hillside, leaving a human rescuer to think strategically.

Keywords:

Arduino UNO, Easy navigation, Robotic movements, Sensors, Robot, Power Supply, Battery, Switches.

Conclusion:

Here we were successful in developing a prototype of a compact and affordable surveillance rescue robot for search and rescue operations. The current functions of the robot include real-time video streaming were acceptable for basic search and rescue operations. Here we use the transmitter and receiver for the camera and remote-control system to reach a disaster places. We improve our previous robot for searching in wide-range area like a whole building.

Publication:

1. D. Pushpa Latha, KM. Sai Durga, D. Sharath Chandra, M. Varshini, B. Siva Prasad "Robot for Rescue Operation", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Volume 12, Issue 03, March-2023, pp.289-290.

Authenticated Access for Vehicle and Speed Monitoring Through IoT

[1] A. Madhukar, [2] K. Sirisha, [3] CH. Sriya Varma, [4] CH. Kanaka Mahalaxmi, [5] K. Ravi Kumar

Abstract:

This paper implements a system which authenticates the License of the user and their Fingerprint and to monitor the speed of the vehicle remotely. This project is promoting a concept called as Smart License. When any person enters Smart License in RFID reader, then it will be compared to data existing in program and if License is authorized, then only it asks to place the finger in FP scanner to verify. If and only if Fingerprint matches to data already existing, then the vehicle will start. And if not, a message will be displayed on LCD indicating that an unauthorized access been done. And the owner can also turn off the ignition system through GSM by giving commands. And the vehicle location can be obtained with the help of GPS module. This vehicle security and speed monitoring System is powered by an Arduino UNO microcontroller and Arduino Nano microcontroller. These microcontrollers control various modules such as RFID, GSM, GPS, FP scanner, Relay, LCD and motor. These all components are connected to Arduino UNO and Arduino Nano and Arduino UNO is connected to the internet with the help of NodeMCU, a Wi-Fi module. Through Arduino IOT cloud, one can monitor the speed of the vehicle with the help of internet.

Keywords:

Smart License, RFID, Fingerprint, GSM, GPS, NodeMCU, LCD, IOT.

Conclusion:

In this project, we designed "Authenticated Access for Vehicle and Speed Monitoring Through IoT" with the help of two Arduino microcontrollers i.e., Arduino UNO and Arduino Nano and connecting it to various components. This system prevents vehicle theft and driving without proper driving license. It achieved through RFID and to provide extra security to the system, it contains biometrics in form of fingerprint recognition to grant access to vehicle. To prevent all possible ways to vehicle theft, GSM module is used to switch off the ignition and send location coordinates with the help of GPS module by sending a command to it. And through this System, one can monitor the speed of their dear ones remotely from anywhere in the world just with the help of internet

Publication:

1. Madhukar, K. Sirisha, CH. Sriya Varma, CH. Kanaka Mahalaxmi, K. Ravi Kumar, "Authenticated Access for Vehicle And Speed Monitoring Through IoT", International Journal for Research Trends and Innovation (IJRTI), ISSN: 2456-3315, Volume 8, Issue 4, March-2023, pp.299-304