

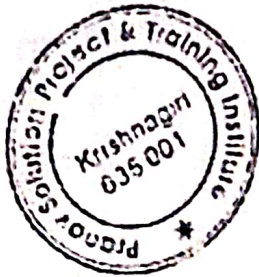
Date: 12.06.2023


TO WHOM IT MAY CONCERN

This is to certify that Ms. ABINAYA S, Reg.No:21MUEL1001, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "LED LIGHTS ASSEMBLING AND DESIGNING TECHNOLOGY" from 29.05.2023 to 12.06.2023 under the guidance of Er.R.ELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us she had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in her life and career.




For Pranav Solution
PRANAV SOLUTION
Project & Training Institute
Krishnagiri.

Head Office: No1, TNHB, Second Phase,
Near Arun Hospital, KRISHNAGIRI-635001.
Contact no: 98559837041, Email: pranavsolution2018@gmail.com



PRANAV SOLUTION

(Approved By Government of India MSME / UDYAM Reg.No : TN-II-0030200)

Date: 12.06.2023

TO WHOM IT MAY CONCERN

This is to certify that Mr. ANBU MURUGAN V, Reg.No:21MUEL1002, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTIAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "SOLAR PV CELL TECHNOLOGY" from 29.05.2023 to 12.06.2023 under the guidance of Er.R.ELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in his life and career.




For Pranav Solution
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Project & Training Institute
Krishnagiri.

Head Office: No1, TNHB, Second Phase,
Near Arun Hospital, KRISHNAGIRI-635001.
Contact no: 98659837041, Email: pranavsolution2018@gmail.com



PRANAV SOLUTION

(Approved By Government of India MSME / UDYAM Reg No : TH-II-0030200)

Date: 12.06.2023

TO WHOM IT MAY CONCERN

This is to certify that Mr. BALAMURUGAN R, Reg.No:21MUEL1003, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "CIRCUIT DESIGNING TECHNOLOGY" from 29.05.2023 to 12.06.2023 under the guidance of Er.R.ELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

Making Powerful

We wish every success in his life and career.




For Pranav Solution
PRANAV SOLUTION
Project & Training Institute
Krishnagiri.

Head Office: No1, TNHB, Second Phase,
Near Arun Hospital, KRISHNAGIRI-635001.
Contact no: 98659837041, Email: pranavsolution2018@gmail.com



PRANAV SOLUTION

(Approved By Government of India MSME / UDYAM Reg No : TN 11-0030200)

Date: 12.06.2023

TO WHOM IT MAY CONCERN

This is to certify that Mr. DHANUSH K. Reg.No:21MUEL1004, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "DRIVER DESIGNING TECHNOLOGY" from 29.05.2023 to 12.06.2023 under the guidance of Er.R.E.LAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in his life and career.




For Pranav Solution
PRANAV SOLUTION
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Head Office: No1, TNMB, Second Phase,
Near Arun Hospital, KRISHNAGIRI 635001.
Contact no: 98659837041, Email: pranavsolution2018@gmail.com



PRANAV SOLUTION

(Approved By Government of India MSME / UDYAM Reg No. TN 11 00000700)

Date: 12.06.2023

TO WHOM IT MAY CONCERN

This is to certify that Ms. HARSITHA S. Reg.No:21MUEL5001, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "ANDROID TECHNOLOGY" from 29.05.2023 to 12.06.2023 under the guidance of Er.R.ELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us she had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in her life and career.



N. Srinivas
For Pranav Solution
PRANAV SOLUTION
Project & Training Institute
Kelaiahgiri,

Head Office: No.1, TNH8, Second Phase,
Rear Arun Hospital, KISHINAGIRI 635001
Contact no: 98659837041, Email: pranavsolution2018@gmail.com



PRANAV SOLUTION

(Approved By Government of India MSME / UDYAM Reg.No : TH-D-0030200)

Date: 12.06.2023

TO WHOM IT MAY CONCERN

This is to certify that Mr. KARTHIKEYAN M, Reg.No:21MUEL1006, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "POWER SUPPLY DESIGNING" from 29.05.2023 to 12.06.2023 under the guidance of Er.RELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in his life and career.




For Pranav Solution
PRANAV SOLUTION
Project & Training Institute
Krishnagiri.

Head Office: No1, TNHB, Second Phase,
Near Arun Hospital, KRISHNAGIRI 635001.
Contact no 98659837041, Email: pranavsolution2018@gmail.com

17th Dec. 2021


TO WHOM IT MAY CONCERN

This is to certify that Mr. KAVIN KUMAR M, Reg.No:21MUEL1007, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship in the field of "KIND D TECH NOLY3E? \ " from 29.05.2021 In 2.11.2021 under the supervision of Er.R.ELAS'AKASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish to wish success in his life and career.




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(Approved By Government of India MSME / UDYAM Reg No : TN-11 0030200)

Date: 12.06.2023

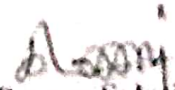
TO WHOM IT MAY CONCERN

This is to certify that Mr. LOKESH R, Reg.No:21MUEL1008, a student of B.Sc. ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "INTERNET OF THINGS TECHNOLOGY" from 29.05.2023 to 12.06.2023 under the guidance of Er.RELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in his life and career.




For Pranav Solution
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Rasipuram



PRANAV SOLUTION

(Approved By Government of India MSME / UDYAM Reg No : TN-B-6030703)

Date: 12.06.2023


TO WHOM IT MAY CONCERN

This is to certify that Mr. MONISHKUMAR S, Reg.No:21MUEL1010, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "PYTHON PROGRAMMING" from 29.05.2023 to 12.06.2023 under the guidance of Er.RELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in his life and career.




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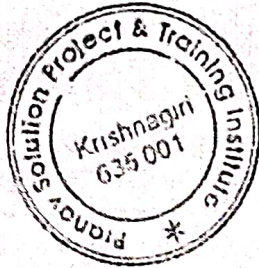
Date: 12.06.2023

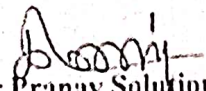
TO WHOM IT MAY CONCERN

This is to certify that Mr. THILIPKUMAR R, Reg.No:21MUEL1011, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "LED DRIVER TECHNOLOGY" from 29.05.2023 to 12.06.2023 under the guidance of Er.RELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in his life and career.




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Krishnagiri.

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Contact no: 98659837041, Email: pranavsolution2018@gmail.com



PRANAV SOLUTION

(Approved By Government of India MSME / UDYAM Reg.No : TN-11-0030200)

Date: 12.06.2023

TO WHOM IT MAY CONCERN

This is to certify that Mr. VIGNESHWARAN K, Reg.No:21MUEL1012, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "MICROPROCESSOR & MICROCONTROLLER" from 29.05.2023 to 12.06.2023 under the guidance of Er.R.ELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in his life and career.



Ramini
For Pranav Solution
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Krishnagiri.



PRANAV SOLUTION

(Approved By Government of India MSME / UDYAM Reg.No: TH-II-0030200)

Date: 12.06.2023

TO WHOM IT MAY CONCERN

This is to certify that Mr. VISHNU KUMAR S, Reg.No:21MUEL1013, a student of B.Sc, ELECTRONICS AND COMMUNICATION, MUTIAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS), RASIPURAM, has successfully completed internship training in the field of "PCB TECHNOLOGY" from 29.05.2023 to 12.06.2023 under the guidance of Er.R.ELAVARASAN (Managing Director) PRANAV SOLUTION.

During the period of his internship training program with us he had been exposed to different process was found punctual, hard working and inquisitive.

We wish every success in his life and career.



[Signature]
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PRANAV SOLUTION
Project & Training Institute
Krishnagiri.

Head Office: No1, TNHB, Second Phase,
Near Arun Hospital, KRISHNAGIRI-635001.
Contact no: 98659837041, Email: pranavsolution2018@gmail.com

IOT ENHANCED IRRIGATION SYSTEM FOR AGRICULTURE FIELDS

*Project report submitted to Periyar University, Salem in partial fulfilment of the requirements for the
award of degree of*

**BACHELOR OF SCIENCE
IN
ELECTRONICS AND COMMUNICATION**

Submitted

By

BALAMURUGAN.R (Reg:21MUEL1003)

KARTHIKEYAN.M (Reg:21MUEL1006)

LOKESH.R (Reg:21MUEL1008)



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Under the Guidance of

Mr. I. BALAKRISHNAN, M.Sc., M.Phil., PGDCA, MISTE.,

(Assistant Professor)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

**Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B),
Rasipuram - 637 408, Namakkal District, Tamil Nadu.**

MAY-2024

**MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
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Rasipuram-637408.Namakkal District, Tamilnadu

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

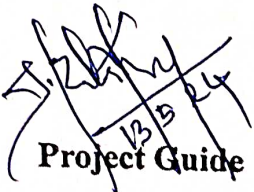


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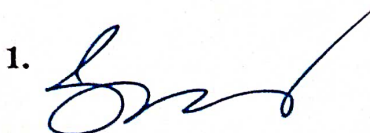
This is to certify that the Project Report entitled "IOT ENHANCED IRRIGATION SYSTEM FOR AGRICULTURE FIELDS" Submitted to Muthayammal College of Arts and Science (Autonomous) Rasipuram, Salem in partial fulfilment of the requirements for the award of degree of **BACHELOR OF SCIENCE IN ELECTTRONICS AND COMMUNICATION**, is a record of original research work done by **BALAMURUGAN.R (Reg.No:21MUEL1003)** **KARTHIKAYEN.M (Reg.No:21MUEL1006)** **LOKESH.R (Reg.No:21MUEL1008)** during the period of her/his study (2023-2024) in the Department of Electronics and communication, Muthayammal College of Arts and Science,(Autonomous) Rasipuram under my Supervision / Guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship / Fellowship or similar title to any candidate of any University.


Project Guide


Head of the Department

Submitted for the project viva-voce examination held on 15 . 05 . 2024

Examiners:

1. 

2. 
15/5/24

ADVANCED WEB SERVER ON-OFF CONTROLLING WITH ESP8266 USING 5G TECHNOLOGY

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE IN ELECTRONICS AND COMMUNICATION

Submitted By

ANBUMURUGAN V (Reg.No:21MUEL1002)

MONISHKUMAR S (Reg.No:21MUEL1010)

ABINAYA S (Reg.No:21MUEL1001)



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Under the Guidance of

**Mr. S. SANTHOSH, M.Sc., M. Phil.,
(Assistant Professor)**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

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(AUTONOMOUS)**

Affiliated to Periyar University, Salem,
Accredited by NAAC with, "A" grade, Recognized by UGC under Section 2(f) & 12(B),
Rasipuram - 637 408, Namakkal District, Tamil Nadu.

MAY-2024

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)
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Accredited by NAAC with, "A" grade, Recognized by UGC under Section 2(f)
&12(B), Rasipuram-637408. Namakkal District, Tamilnadu.

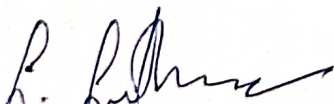
DEPARTMENT OF ELECTRONICS AND COMMUNICATION




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CERTIFICATE

This is to certify that the Project Report entitled "ADVANCED WEB SERVER ON-OFF CONTROLLING WITH ESP8266 USING 5G TECHNOLOGY" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN ELECTRONICS AND COMMUNICATION is a record of original research work done by ANBUMURUGAN.V (Reg.No:21MUEL1002) MONISHKUMARS (Reg.No:21MUEL1010) ABINAYA.S (Reg.No:21MUEL1001) during the period of her/his study (2021-2024) in the Department of Electronics and communication, Muthayammal College of Arts and Science (Autonomous), Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any University.

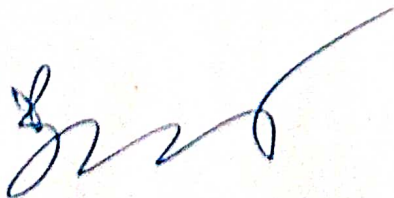

Project Guide


Head of the Department
HEAD OF THE DEPARTMENT
DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS
MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
RASIPURAM (TK), NAMAKKAL (DT)-637 408.

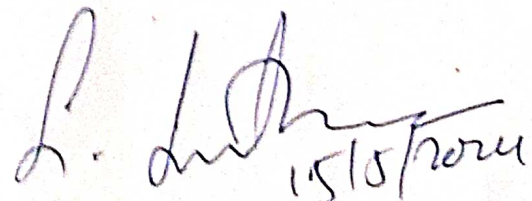
Submitted for the project viva-voce examination held on 15/05/2024

Examiners:

1.



2.


15/05/2024

“SMART STREET LIGHT MANAGEMENT:SMS ACTIVATION AND FAULT MONITORING”

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

**BACHELOR OF SCIENCE
IN
ELECTRONICS AND COMMUNICATION**

Submitted

By

DHANUSH.K

(Reg.No:21MUEL1004)

THILIPKUMAR.R

(Reg.No:21MUEL1011)

VISHNUKUMAR.S

(Reg.No:21MUEL1013)



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**Under the Guidance of
Mr.S.ARULMANI,M.Sc.,
(Assistant Professor)**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with “A” grade, Recognized by UGC under Section 2(f) & 12(B),

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

MAY-2024

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B),

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION




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CERTIFICATE

This is to certify that the Project Report entitled "SMART STREET LIGHT MANAGEMENT: SMS ACTIVATION AND FAULT MONITORING" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE IN ELECTROONICS AND COMMUNICATION is a record of original research work done by DHANUSH.K (Reg. No: 21MUEL1004), THILIPKUMAR.R (Reg. No: 21MUEL1011), VISHNUKUMAR.S (RegNo:21MUEL1013) during the period of her/his study(2021-2024) in the Department of Electronics and Communication, Muthayammal College of Arts and Science, (Autonomous) Rasipuram under my supervision / guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship/ Fellowship or similar title to any candidate of any University.

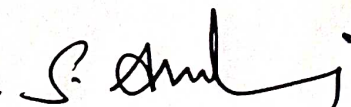

Project Guide


Head of the Department

Submitted for the project viva-voce examination held on 15.5.2024

Examiners:

1. 

2. 

HOME AUTOMATION USING NODE MCU ESP8266

Project report submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE

IN

ELECTRONICS AND COMMUNICATION

Submitted

By

M.KAVIN KUMAR

(REG NO: 21MUEL1007)

K.VIGNESHWARAN

(REG NO: 21MUEL1012)

S.HARSITHA

(REG NO: 21MUEL5001)



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Under the Guidance of

Mr. S. SATHISH KUMAR, M.Sc.,

(Assistant Professor)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B),

Rasipuram - 637 408, Namakkal District, Tamil Nadu.

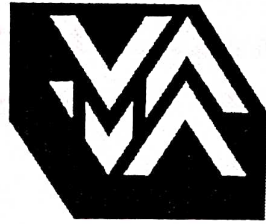
MAY-2024

MUTHAYAMMAL COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Affiliated to Periyar University, Salem,

Accredited by NAAC with "A" grade, Recognized by UGC under Section 2(f) & 12(B),
Rasipuram-637408.Namakkal District, Tamilnadu.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



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CERTIFICATE

This is to certify that the Project Report entitled "SMART HOME AUTOMATION USING NODEMCU ESP 8266" Submitted to Periyar University, Salem in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE IN ELECTRONICS AND COMMUNICATION**, is a record of original research work done by **VIGNESHWARAN.K (Reg.No:21MUEL1012)**, **KAVIN KUMAR .M (Reg.No:21MUEL1007)**, **HARSITHA.S (Reg. No: 21MUEL5001)**, during the period of her/his study (2023-2024) in the Department of Electronics and Communication Muthayammal College of Arts and Science,(Autonomous) Rasipuram under my Supervision / Guidance and this project report has not formed the basis for the award of Degree / Diploma / Associates ship/ Fellowship or similar title to any candidate of any University.

Project Guide

Head of the Department

Submitted for the project viva-voce examination held on 15.05.2024

Examiners:

1.

2.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

VIGNESHWARAN K

for successfully completing the course

Analog Circuits

with a consolidated score of **44** %

Online Assignments	13.75/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **369**

Jan-Mar 2024

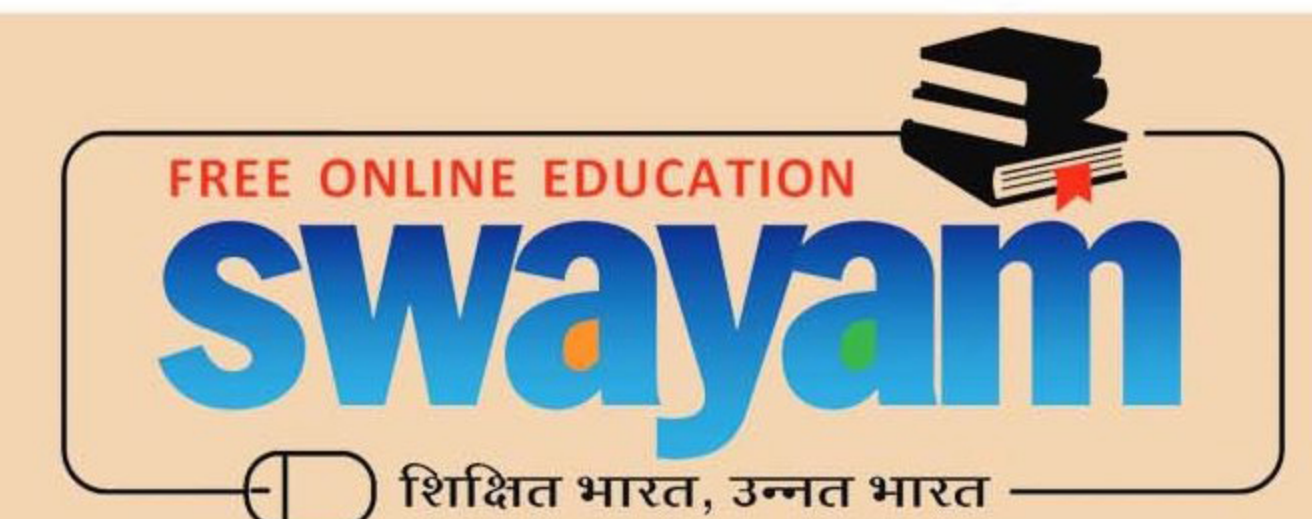
(8 week course)

Prof. Sridhar Iyer

Head CDEEP & NPTEL Coordinator
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL24EE11S455000217

To verify the certificate



No. of credits recommended: 2 or 3

SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to
Thilipkumar R
for successfully completing the 4 credit course
Programming in Python
with a consolidated score of 72%
from the evaluation based on continuous online assessments and the proctored
examination held in month of December 2023.*



Roll No. : TN01030563

*This course was offered by **Dr. Rizwan Rehman** of Dibrugarh University*

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	23	70	49	100	72



J. B. Nadda
National Coordinator
Consortium for Educational Communication (CEC),
New Delhi



Dr. Prasanta Kr. Kakoty
Controller of Examinations
Dibrugarh University, Assam