

EXPERIENTIAL LEARNING

**ACADEMIC YEAR
2020 -2021**

LABORATORY PRACTICES

DEPARTMENT OF BIOTECHNOLOGY

Topic

CROSS POLLINATION

- PLANT AND PRACTICAL DETAILS** Common name : Table Rose, Moss Rose Scientific name : *Portulaca grandiflora* Family: Portulacaceae Genus: *Portulaca* Native : Southern Brazil, Argentina, and Uruguay Plant type : Succulent flowering plant Plant A flower colour : Dark Rose colour Plant B flower colour : White colour Resultant flower colour : Pinkish White Time taken : More than 35 days Reason for choosing this plant : Less time consumption, Highly available in locality, No high maintenance is required. Perfect time for pollination : The best time to pollinate the female is when the flowers have fully-formed stigmas (the little white hairs), as long as possible, usually four or five weeks after the beginning of flowering. Observation : The bud has turned its colour within the expected time range but the blossom of a flower has been extended for many days. Then, the resultant flower is obtained after one attempt. Trail 1 Status : Failure Trail 1 outcome : Drying of bud took place and blossom of flower did not take place. Trail 2 Status : Success Trail 2 outcome : Flower with Rose and White Combination. Location : Karambakudi, Tamilnadu, India. Application used for photograph : GPS Camera Optimum conditions : Should prevent from self pollination or insect pollination. Sufficient watering and sunlight as usual and Make sure that pollen grain reaches the targeted Plant in a proper way
- Result :** Hence, in the above mentioned details and the pictures/photographs given shows that if the flower of one pure [raw] variety of a plant is crossed with the flower of another pure [raw] variety of a plant, then the resultant flower of a plant exhibits a new combination of both flowers by showcasing the two different colours. Future perspectives : The above mentioned methodology can be carried out in the following plant varieties also. *Portulaca hilaireana* G. Don *Portulaca immersostellulata* Poelln. *Portulaca mendocinensis* Gillies ex Hook. *Portulaca multistaminata* Poelln. Interpretation : In this methodology, I have made a mistake on trial 1 by closing all possible ways of aeration and sunlight for a flower which in turn lead to the dry condition of a targeted plant's flower. This can be avoided by using a netted piece of covering for a flower. Also, the frequent observation of a flower gives a quick and desired result within the time period.



Plant A : Dark Rose colour flower plant



Plant B : White colour flower plant

Transfer of pollen grains



After cross pollination
of flowers



Plant B with resultant flower

Result : Hence, in the above mentioned details and the pictures/photographs given shows that if the flower of one **pure** **[raw]** variety of a plant is **crossed** with the flower of another pure **[raw]** variety of a plant, then the **resultant flower** of a plant exhibits a **new combination** of **both flowers** by showcasing the two different colours.

Topic

Bioinformatics and computational Biology (CHOU& FASMAN SECONDARY STRUCTURE PREDICTION SERVER)

- CFSSP: • It is an online protein secondary structure prediction server. This server predicts regions of secondary structure from the protein sequence such as alpha helix, beta sheet, and turns from the amino acid sequence. • The output of predicted secondary structure is also displayed in linear sequential graphical view based on the probability of occurrence of alpha helix, beta sheet, and turns.
- The method implemented in CFSSP is Chou-Fasman algorithm, which is based on analyses of the relative frequencies of each amino acid in alpha helices, beta sheets and turns based on known protein structures solved with X-ray crystallography • CFSSP is freely accessible via ExPASy server or directly from BioGem tools at <http://www.biogem.org/tool/choufasman/index.php> • CFSSP Server is written in Perl, which runs through CGI.



MINI PROJECT REPORT SUBMISSION

NAME: GAYATHRI S

REGISTER NUMBER: 117011101286

YEAR: FINAL YEAR

DEGREE: B Tech

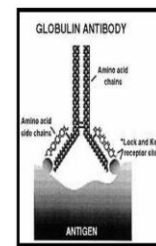
BRANCH: BIOTECHNOLOGY

SUBJECT: XBT702-BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

TOPIC: CHOU & FASMAN SECONDARY STRUCTURE PREDICTION SERVER

CFSSP:

- It is an online protein secondary structure prediction server. This server **predicts regions of secondary structure** from the protein sequence such as alpha helix, beta sheet, and turns from the **amino acid sequence**.
- The output of predicted secondary structure is also displayed in linear sequential graphical view based on the probability of occurrence of alpha helix, beta sheet, and turns.



PROTEIN SEQUENCE:

tubulin, partial [Leannia veloxifera]

GenBank: CD292723.1

GenPept | Medical Proteins | Graphics

```
>CD292723.1 tubulin, partial [Leannia veloxifera]
QCCNQGNAFWNTMCYEHQLEASGRFQASKDQYNDTQRLSKVDYVYKESGKGRYVRSVLYDLEPGILD
YKASATGKLFQNTMCTGASGAGNNWARGHYTEGAELIDVVDIIRKETACWCPQGFVYTHGGGGTG
SGMGTLILLKRDNYFQRTCTSYSPKVSQVYVPEYNTLSHQLLENDSEITVDNEALYNOSHL
LQKREFKYNELNGVVAQVMSGTASLRFSGNLNGDLKMGVNIYFPLHFTLLAQAFPSNQNKGAVNL
DVKVETSQMWVSQNTLANVKSDEGATLSAACMTGNNMGTQVDDAVARYQKMAIDFVYTHNNKSSII
SYSPDGTMSGTTVANTTSLASVYQKSAQFAKMTSKKATLHWYKGGMDMEFTQLADKMLDLVTEYQD
KQD
```

INSERTING PROTEIN SEQUENCE IN CFSSP SERVER:

DEPARTMENT OF CIVIL ENGINEERING

Topic

SURVEYING

- Surveying of Thanjavur Fort Wall and contour sites using Total Station



Topic**NON DESTRUCTIVE TESTING (NDT)**

- Soil stability check for Runway at Air Force Station, Thanjavur and Compound wall testing by Non Destructive Testing Method.



Topic**LAB TESTING**

- Tensile Test carried out on Steel rod using Universal Testing Machine (UTM)
- Testing of coarse aggregates to find its suitability in the laying of roads.
- Compression test on concrete cube using Compression Testing Machine (CTM)



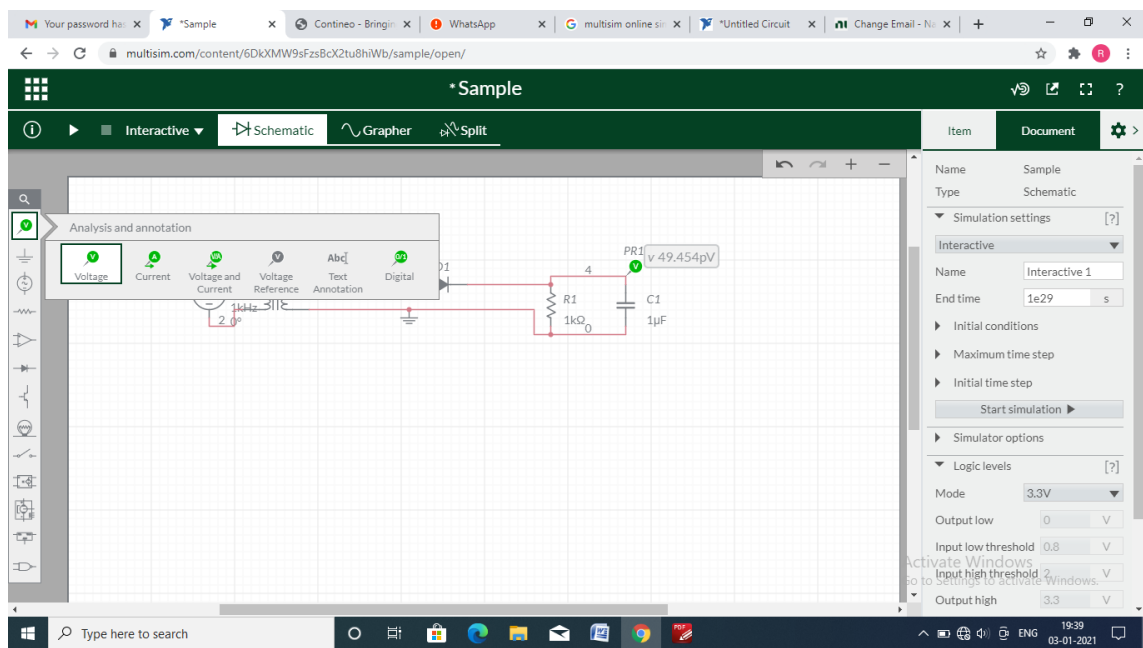
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

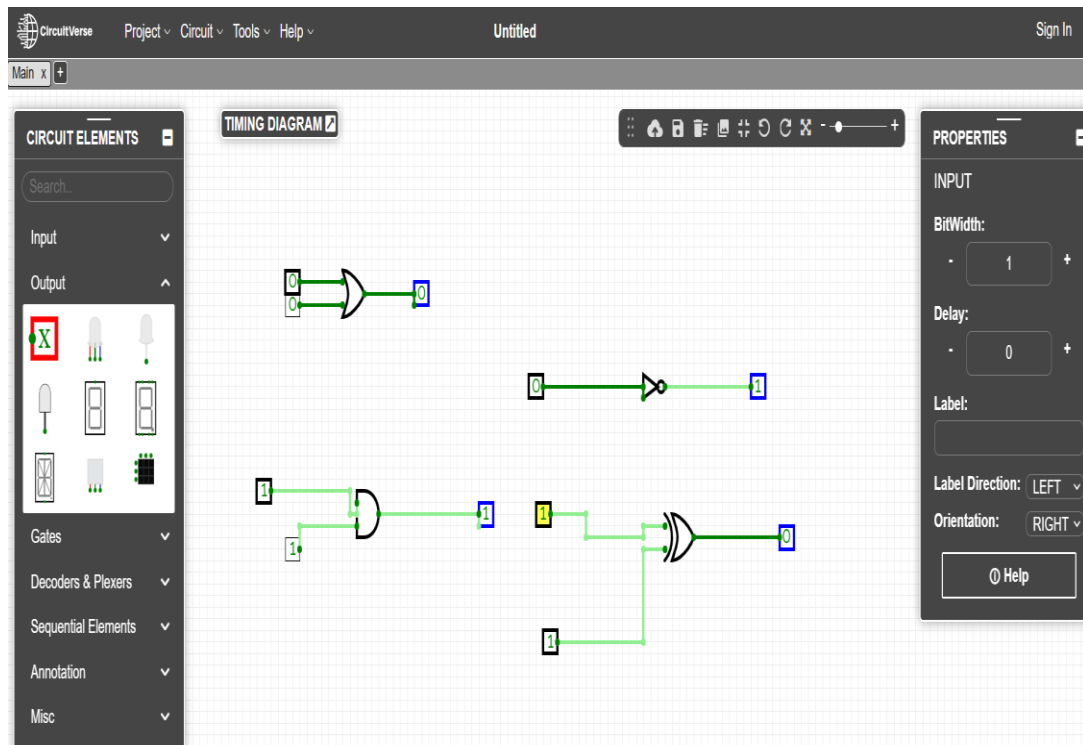
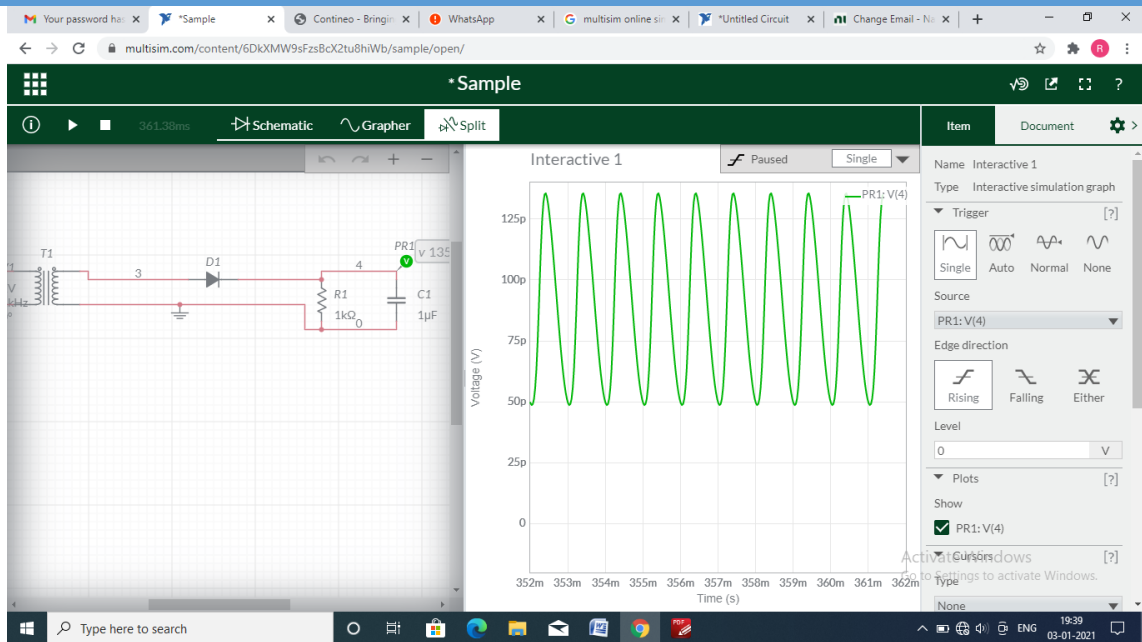
Topic

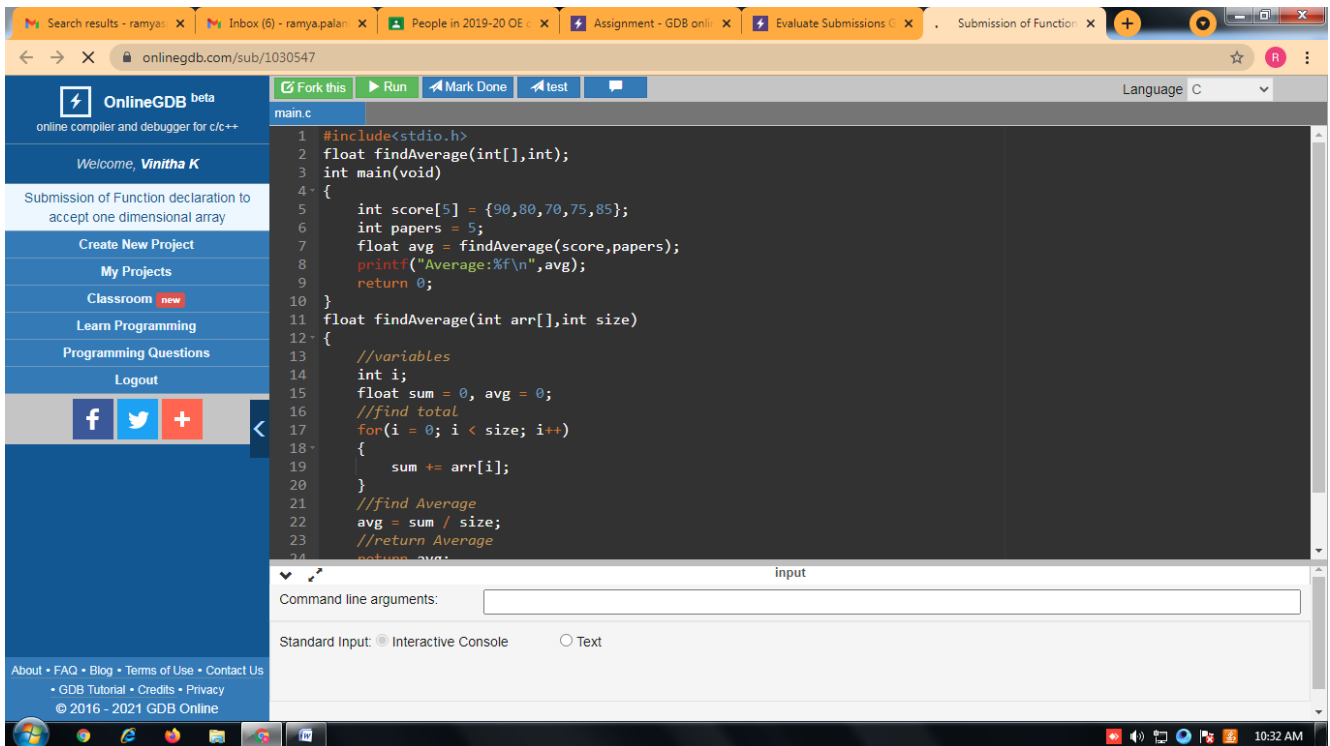
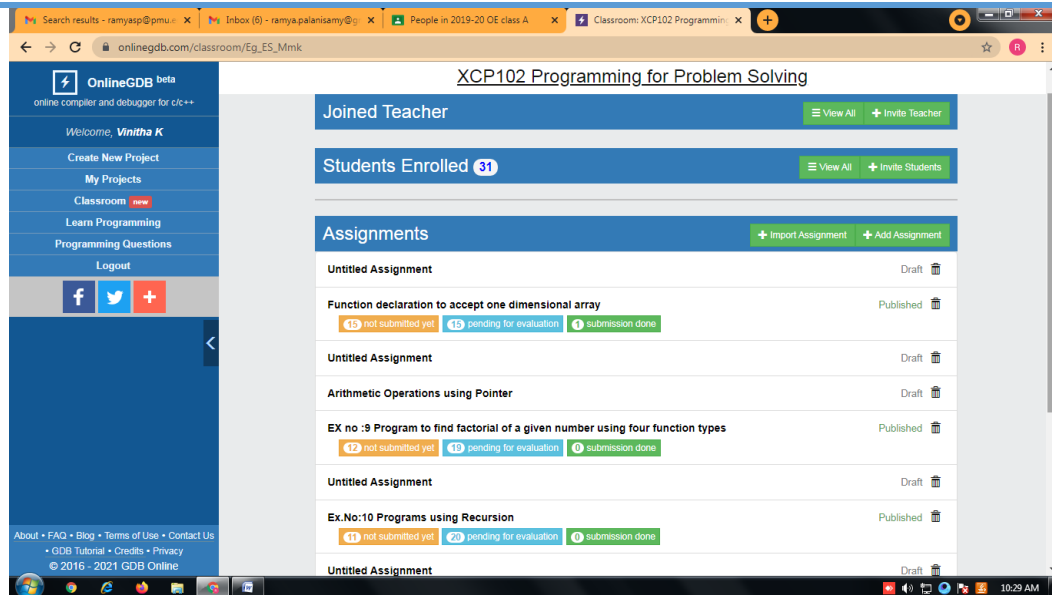
XCS302 Analog and Digital Electronics Circuits

XCP102 Programming for Problem Solving

- Half wave Rectifier using Multisim Online Simulator
- Logic gates using CircuitVerse Online simulator
- Functions using GDB compiler







Exercises using Multisim and CircuitVerse Online Simulator

Exercises using GDB Compiler

PROJECT (UG)

DEPARTMENT OF BIOTECHNOLOGY

THESIS/ PROJECT REPORT

NAME OF THE STUDENT	PROJECT GUIDE	PROJECT TITLE
1.M.EVANGELIN FLORA 2.S.L.PRIYADHARSHINI 3.H.VISHALACHI	Dr.B.Nazeema Banu	Anticancer Activity Of Novel Polyherbal Formulations Against Breast Cancer
4.AYSVARYA. G 5.GAYATHRI. S 6.NANDHINI. S	Dr.B.Nazeema Banu	Anticancer Activity of Novel Polyherbal Formulation against Human Cervical Cancer Cell Line
7.MOHANA PRIYA G 8.JOSHINI VARSHA C 9.POOJA K	Dr.A.Ashokumar	Cell regeneration using PVA / Chitosan with copper nanoparticle
10.BALA MURUGAN K 11.YOKESH R	Dr.B.Nazeema Banu	Antibacterial activity of plant extract on microbial population found in uterine fluid of cow
12.BRASILDA E 13.MEENU MERLIN S 14.THASLEEMA PARVEEN M	Dr.K.Anbarasu	Development of microencapsulated Biofertilizer high efficiency and high solubility
15.ABIRAMI G 16.BAVITHRA C 17.BLESSY T 18.VINITA R	Ms.P.Mala	Anticancer activity of Carica papaya against Breast cancer cell line.
19.MANAL M R 20.PAVITHRA P	Ms.P.Mala	Antidiabetic Activity of plant A.Paniculata
21.ARAVINDHAN R 22.DILIPKUMAR G 23.MOHAMED ARIF Z	Ms.P.Mala	Development of eye improving material by herbal extract
24.KOKILA J 25.PAVITHRA T 26.SANTHIYA S	Dr.K.Anbarasu	Nutritional quality and acceptability of coconut, groundnut and cow milk based fermented milk
27.AATHILAKSHMI U 28.DHANUPRABHA D 29.NANTHAKUMAR G 30.SHANKAR R	Dr.S.Kumaran	Formulation and evaluation of antimicrobial ointment from Marine algae
31.PRIYADHARSHINI D 32.SHEIK ABDULLA A 33.SORNAMALYA M	Dr.A.Ashokumar	Comparative study on characteristics of biopolymer formation by ES and FF
34. G. VIJAY CHITHRA	Dr.A.Ashokumar	Production of pectinase enzyme from bacteria isolated from soil
35. PREETHY SHINY 36.RAKSHANAA	Dr.A.Ashokumar	Production of Laccase Enzyme
37. JESIMA JASMIN	Dr.A.Ashokumar	Production of Manganese Peroxidase.

DEPARTMENT OF BIOTECHNOLOGY

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**PERIYAR
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Established in the year 1983
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BONAFIDE CERTIFICATE

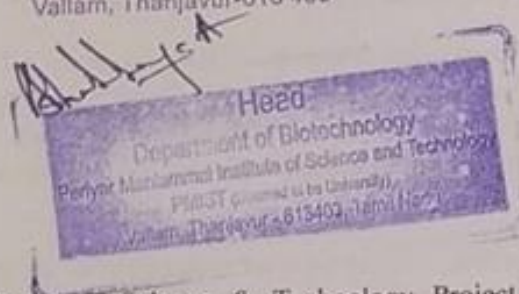
Certified that this project report "Nutritional Quality and Acceptability of Coconut-Groundnut-Cow milk Based Fermented drink" is the bonafide work of **Kokila.J (117011101289), Pavithra.T (117011101299), Santhiya.S (117011101306)** who carried out the project work under my supervision.

Supervisor Signature :

Name with designation :

Dr. K. ANBARASU
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Vallam, Thanjavur-613 403

Head of the Department :



Submitted for Periyar Maniammai Institute of Science & Technology Project Viva-voce Examination held on 2/5/2021

Signature :

Name :

B. NAZEMA BANU

Internal Examiner

Date :

3/5/21

External Examiner

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DEPARTMENT OF BIOTECHNOLOGY

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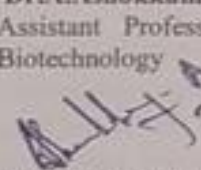
Certified that this project report "Comparative study on characteristics of biopolymer film formation by electrospinning and plating method using bioimage processing – An attempt" is the bonafide work of Priyadharshini.D(117011101302), Sheik Abdulla (117012101308), Sornamalya.M (117011101309) who carried out the project work under my supervision.

Supervisor Signature :

 29/7/2021

Name with designation :

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Assistant Professor
Biotechnology

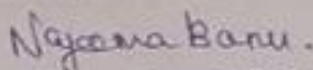
 29/7/2021

Head of the Department :

Dr.A.Ashokkumar

Submitted for Periyar Maniammai Institute of Science & Technology Project Viva-voce Examination held on 3/5/2021.....

Signature :



Name :

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Date :

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External Examiner


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BONAFIDE CERTIFICATE

Certified that the project report "Antidiabetic activity of plant (*Andrographis paniculata*)" is the Bonafide work of MANAL M R (117011101290), PAVITHRA P(117011101298), who carried out the project work under my supervision.

Signature :

Name :

SUPERVISOR

MISS.P MALA

Date:

Signature :

Head Of the Department

Dr. A ASHOK KUMAR

Date:

Submitted for Periyar Maniammai Institute of Science and Technology Project
Phase-I Viva-voce Examination held on 3/5/21 at University.

Signature: Manal, Pavithra

Name: Manal M R, Pavithra P

Date: 3/5/21

Signature :

Internal Examiner

External

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**THESIS/ PROJECT REPORT**

NAME OF THE STUDENT	PROJECT GUIDE	PROJECT TITLE
Afrin Marjuka M Dhiyaneshwaran S Dineshkumar R	Mr.ILANGO VAN P	Fm Tool- A Smart Mask To Predict The Health Of The Person Using Machine Learning
Thejeswani C.S Anusha S Saravanan R	Dr.M.SHARMILA BEGUM	Smart Product Recommendation using Via Chatbot using KNN
Arivunila M Arun P Santhosh A	Dr.A.E.NARAYANAN	Prevention Of Fake Food And Adulteration Using Electronic Product Code (EPC) And Machine Learning Based Block Chain Technology
Ajay M Rajahirwar Sathyabalan N	Dr.K.LAKSHMI	Online Harassment Detection Using Machine Learning
Ranjani R Sumitha B Ashfaq Ahamed M	Ms.S.P.RAMYA	Aspect Level Drug Reviews Using Back Propagation Neural Networks
Haris R Ashwinraj.P Vetrimaran V	Dr.M.SHARMILA BEGUM	Information Extraction of Brahmi Script from Temple Epigraphy using OCR and Machine Learning Algorithm (Tamil)
Shanthini P Deepika S Puranaraja M Nattaraj K	Dr.T.KAVITHA	Crop yield prediction and Crop Recommendation system using Machine Learning and Deep Learning
Ramya S	Dr.P.DHAVAKUMAR	IoT Based Emission Controlling And Monitoring To Stop The Big Crush Pollution

Padmashini.K Bousika S		
Franklin Sowmiya S Surendar P Vasikaran	Dr.R.POONGUZHALI	Fake Review Detection Using Machine Learning
Harini S Karunya Abinisha A Pradhiksha k	Dr.S.SUSEELA	Driver Fatigue Recognition Based using Facial Features Using Convolutional Neural Network
Mohamed Mubeenazath A M Vishwa Raghawin J A Joel Amrith A	Mr.K.M.ARIVUCHELVA N	Creating Discussion Forum For Maintaining Relationships Between Educational Universities And Their Alumni For Growth Of The Universities With The Help Of Sentiment Analysis
Iswarya K Monica Bharathi K.R Sheik Abdullah N	Dr.K.LAKSHMI	Urban Street Cleanliness Assessment Using Deep Learning
R.Nila R.Raj Kumar P.Sivakumar	Ms.K.VINITHA	Enterprise Email Server Data Protection System Using Geofence Technology And Machine Learning
S. Shobika A. Karthikeyen A.Pragadeeshwaran	Dr.A.E.NARAYANAN	Machine Learning Based Application With Animated Tamil Sign Language (ATSL) Communication System For Rural Deaf And Dumb People

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BONAFIDE CERTIFICATE

Certified that this project report “**SHORT-TERM PREDICTION OF COVID-19 CASES USING ENSEMBLE REGRESSION MODELS IN TAMILNADU DISTRICTS**” is the bonafide work of “**Ms. V. ASHRIDURGA (117011012518), Mr. S. MUTHUKUMAR (117012012541), Mr. S. MICHAEL MATHAN (117012012535), Ms. A. SHARILY SWEETA MARY (117011012559)**” who carried out Project work under my supervision

Signature :

Name : **Dr. A.E. NARAYANAN**
Head of the Department

Ms. R. POONGUZHALI
Project Guide

Date : 30-4-2021

Submitted for Periyar Maniammai Institute of Science and Technology Project Viva-voce
Examination held on30.4.2021.....at PMIST.

Signature :

Name :

External Examiner
(Dr. V. HANUMANTHARANI)

Date : 30-4-21

Internal Examiner

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BONAFIDE CERTIFICATE

Certified that this project report "SMART ATTENDANCE SYSTEM USING DEEP LEARNING TECHNIQUE" is the bonafide work of "Ms. E. AISHWARYA (118011063211), Mr. K. KUMARAVEL (117012012532), Mr. R. MOHAMED SUTHESH (117012012538), Ms. S. POORNIMA (118011063213)" who carried out Project work under my supervision.

Signature :

Name : Dr. A.E. NARAYANAN

Head of the Department

Ms. R. POONGUZHALI

Project Guide

Date : 30-4-2021

Submitted for Periyar Maniammai Institute of Science and Technology Project Viva-voce Examination held on30/4/2021.... at PMIST.

Signature :

Name :

Date : 30-4-21

Internal Examiner

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING		
THESIS/ PROJECT REPORT		
NAME OF THE STUDENT	PROJECT GUIDE	PROJECT TITLE
ANUSHIKA M	Mr.U.Saravana Kumar	A Smart design methodology for Contamination site Identification in Stream-River using Internet Of Things Wireless Systems
SAKTHI KUMAR R		
NILA B M		
HARINI K	Dr.C.Narmadha	Recommendation of Fertilizer based on Disease Spot Detection Using Deeplearning Algorithm
LAVANYA B		
THAMARAI SELVI M		
JAYAPRIYA C	Dr.L.Jayanthi	Image Processing based Intruder Detection using Python
TAMIZHCHELVI P		
AMARTHIYASEN C		
AKILAN K	Dr V.Violet Juli	IOT based Green House Monitoring and Controlling using Arduino
MADHESWARAN K		
SWETHA V		
SANJAY S	Dr.S.P.K Babu	An Eco-Economical based Forestry Safety Management Structures using Artificial Intelligence.
GOPINATH M		
JAYA ASWIN S	Dr.S.P.K Babu	Third Eye for Blind using Ultrasonic Sensor.
VAJLAL C		
HARIGOBALAN S		
SAMUEL	Dr V.Violet Juli	IOT Based Smart Waste Management Monitoring
JAYACHANDRAN T		
SAMUVEL M		
SURYAPRAKASH K		
RAMYA S	Mr.R.Rakesh	Electric Pole Climbing Robot
SARATH KUMAR S		
VIGNESH S		

A SMART DESIGN METHODOLOGY FOR CONTAMINATION SITE IDENTIFICATION IN STREAM – RIVER USING INTERNET-OF-THINGS WIRELESS SYSTEMS

A PROJECT REPORT

Submitted by

MANUSHIKA (118011013977)

R.SAKTHIKUMAR (119012062380)

B.M.NILA (118011013982)

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING



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DECEMBER 2021

DEPARTMENT OF MECHANICAL ENGINEERING			
S.NO	REGISTER NUMBER	STUDENT NAME	RESEARCH PROJECT NAME
1.	117011012556	SATHYASREE V	BIO CHAR PRODUCTION AND CHARECTERIZATION FROM WASTE BIO MASS
2.	117011305032	ANUMANDRA G	BIO CHAR PRODUCTION AND CHARECTERIZATION FROM WASTE BIO MASS
3.	117012016195	MOHAMMAD IBRAHIM KHAN	CHARECTERIZATION & ANALYSIS OF ACTIVATED CARBONS DERIVED FROM BIO CHARS OF DIFFERENT PEELS OF BANANA TO DEVELOP AND COMPARE POTENTIAL OF SUPERCAPACITOR ALONG WITH SnO2 COMPOSITE EFFECT
4.	117011014424	KANNAGA PRIYA P	CHARECTERIZATION & ANALYSIS OF ACTIVATED CARBONS DERIVED FROM BIO CHARS OF DIFFERENT PEELS OF BANANA TO DEVELOP AND COMPARE POTENTIAL OF SUPERCAPACITOR ALONG WITH SnO2 COMPOSITE EFFECT
5.	1170120151331	GILLIYAN N	CHARECTERIZATION & ANALYSIS OF ACTIVATED CARBONS DERIVED FROM BIO CHARS OF DIFFERENT PEELS OF BANANA TO DEVELOP AND COMPARE POTENTIAL OF SUPERCAPACITOR ALONG WITH SnO2 COMPOSITE EFFECT
6.	1170120151323	AAKASH P	DESIGN AND FABRICATION OF LOAD CARRYIYNG ROBOTIC SYSTEM FOR MULTI TERRAIN
7.	1170120151348	RAJESHKANNA R	DESIGN AND FABRICATION OF LOAD CARRYIYNG ROBOTIC SYSTEM FOR MULTI TERRAIN
8.	1170120151358	VENKATESH N	DESIGN AND FABRICATION OF LOAD CARRYIYNG ROBOTIC SYSTEM FOR MULTI TERRAIN
9.	1180120151359	ARAVINTHAN K	DESIGN AND FABRICATION OF FIRE EXTINGUISHING ROBOT
10.	1170120151324	ABINESH A	DESIGN AND FABRICATION OF FIRE EXTINGUISHING ROBOT
11.	1170120151327	AUCASH M	DESIGN AND FABRICATION OF FIRE EXTINGUISHING ROBOT

12.	1170120151357	VASANTH M	DESIGN AND FABRICATION OF FIRE EXTINGUISHING ROBOT
13.	1170120151350	RAMKI V	DESIGN AND FABRICATION OF FOLDABLE ELECTRIC VEHICLE
14.	1170120151325	AKASHRAJ R	DESIGN AND FABRICATION OF FOLDABLE ELECTRIC VEHICLE
15.	117011014420	GOKILA G	DESIGN AND FABRICATION OF FOLDABLE ELECTRIC VEHICLE
16.	1170120151333	GOPINATH T	DESIGN AND FABRICATION OF FOLDABLE ELECTRIC VEHICLE
17.	1170120151326	ARAVIND M	DESIGN AND FABRICATION OF SMART SEEDING MACHINE
18.	1170120151328	AUGUSTIN EBINESAR R	DESIGN AND FABRICATION OF SMART SEEDING MACHINE
19.	1170120151342	MANIKANDAN B	DESIGN AND FABRICATION OF SMART SEEDING MACHINE
20.	1170120151338	KARIKAL VALAVAN S	DESIGN AND FABRICATION OF SMART SEEDING MACHINE
21.	1170120151330	DHARMA DURAI S	DESIGN AND FABRICATION OF PNEUMATIC 3- AXIS MODERN TRAILER
22.	1170120151329	BARATH PRAKASH S	DESIGN AND FABRICATION OF PNEUMATIC 3- AXIS MODERN TRAILER
23.	1170120151334	HARIHARAN M	DESIGN AND FABRICATION OF PNEUMATIC 3- AXIS MODERN TRAILER
24.	118012065466	PARTHIBAN M	RETROFITTING OF 20 KW EXISTING BIOMASS GASIFIER
25.	1170120151335	HARIHARAN R	RETROFITTING OF 20 KW EXISTING BIOMASS GASIFIER
26.	1170120151344	MOHAMED JAFEER M	RETROFITTING OF 20 KW EXISTING BIOMASS GASIFIER
27.	1170120151341	MANIBHARATHI A	DESIGN AND FABRICATION OF HYBRID VEHICLE
28.	1170120151332	GIRIDHARAN K	DESIGN AND FABRICATION OF HYBRID VEHICLE
29.	118012065473	UMER SHAREEF M	DESIGN AND FABRICATION OF HYBRID VEHICLE
30.	1170120151353	SHANMUGARAJ N	ANTI THEFT WHEEL LOCKING SYSTEM USING IOT
31.	1170120151336	JEEVA K	ANTI THEFT WHEEL LOCKING SYSTEM

			USING IOT
32.	1170120151340	KISHORE K	ANTI THEFT WHEEL LOCKING SYSTEM USING IOT
33.	1170120151347	PRAVEEN R	ANTI THEFT WHEEL LOCKING SYSTEM USING IOT
34.	1170120151337	KALAIKOVAN B	AN EXPERIMENTAL INVESTIGATION OF HYBRID FUEL IN 100cc PETROL ENGINE
35.	1170120151345	PRABAKARAN G	AN EXPERIMENTAL INVESTIGATION OF HYBRID FUEL IN 100cc PETROL ENGINE
36.	1170120151352	SARAN R	AN EXPERIMENTAL INVESTIGATION OF HYBRID FUEL IN 100cc PETROL ENGINE
37.	1170120151343	MANIVASAKAM A	BRIQUETTING OF AGRO RESIDENCE
38.	118012065461	DHIVAKAR R	BRIQUETTING OF AGRO RESIDENCE
39.	118012065462	FAWAZ KHAN J	BRIQUETTING OF AGRO RESIDENCE
40.	118012065471	SANTHAROOPAN T	BRIQUETTING OF AGRO RESIDENCE
41.	118012065459	ASOKAN A P	DESIGN AND FABRICATION FOURWAY HACKSAW MACHINE
42.	1170120151346	PRANAV V	DESIGN AND FABRICATION FOURWAY HACKSAW MACHINE
43.	1170120151349	RAMANAN P	DESIGN AND FABRICATION FOURWAY HACKSAW MACHINE
44.	1170120151351	RAVI SHANKAR P	DESIGN AND FABRICATION OF REMOTE OPERATED DEFENCE BARRICADE
45.	1170120151354	TAMIL SELVAN G	DESIGN AND FABRICATION OF REMOTE OPERATED DEFENCE BARRICADE
46.	1170120151356	THILAK S	DESIGN AND FABRICATION OF REMOTE OPERATED DEFENCE BARRICADE
47.	118012065463	KARTHI S	DESIGN AND FABRICATION SANITIZAR SPRAYING MACHINE
48.	118012065458	AHASH K	DESIGN AND FABRICATION SANITIZAR SPRAYING MACHINE
49.	1170120151355	TAMILSELVAN T	DESIGN AND FABRICATION SANITIZAR SPRAYING MACHINE
50.	118012065472	SHAHUL HAMEED M	DESIGN AND IMPLEMENTATION OF SELF POWERED VEHICLE USING MPPT CONVERTER

51.	118012065460	DHANUSHKUMAR S	DESIGN AND IMPLEMENTATION OF SELF POWERED VEHICLE USING MPPT CONVERTER
52.	118012065467	PRAVEEN RAJ R	DESIGN AND IMPLEMENTATION OF SELF POWERED VEHICLE USING MPPT CONVERTER
53.	118012065475	VIJAY B	DESIGN AND IMPLEMENTATION OF SELF POWERED VEHICLE USING MPPT CONVERTER
54.	118012065464	NAVEENKUMAR D	DESIGN AND FABRICATION R5 PICK AND PLACE ROBOT
55.	118012065465	PARTHASARATHI M	DESIGN AND FABRICATION R5 PICK AND PLACE ROBOT
56.	118012065468	PREMNATH J	DESIGN AND FABRICATION R5 PICK AND PLACE ROBOT
57.	118012065469	RAHUL G	DESIGN AND FABRICATION OF ELECTROMAGNETIC BRAKING SYSTEM (FOR TWO WHEELER)
58.	118012065470	RAJASIVA N	DESIGN AND FABRICATION OF ELECTROMAGNETIC BRAKING SYSTEM (FOR TWO WHEELER)
59.	118012065474	VIGNESH KUMAR V	DESIGN AND FABRICATION OF ELECTROMAGNETIC BRAKING SYSTEM (FOR TWO WHEELER)

Department of Mechanical Engineering
Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660
Email: headmech@pmu.edu Web: www.pmu.edu



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
Established in the year 1982
Approved by UGC, Government of India
ISO 9001:2015 Certified

BONAFIDE CERTIFICATE

Certified that the project report "DESIGN AND IMPLEMENTATION OF SELF POWERED VEHICLE USING MPPT CONVERTOR" is the bonafide work of SHAHUL HAMEED. M (118012065472), VIJAY. B (118012065475), DHANUSH KUMAR. S (118012065460), PRAVEEN RAJ. R (118012065467), who carried out the project work under my supervision.

Signature : R. Thiya Garaman
Name : (R. THIYAGARAJAN)

Supervisor

Mr. THIYAGARAJAN. R M.E.,

Head of the Department

(Dr.D.JEYASIMAN)

Date:

Submitted for Periyar Maniammai Institute of Science and Technology Project
Phase-II Viva-voce Examination held on 17/05/2021.....at University.

Signature : Perimman
Name : PERIMMAN

Internal Examiner

Date: 17/05/2021

External Examiner

Department of Mechanical Engineering
Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660
Email: headmehi@pmu.edu Web: www.Pmu.edu



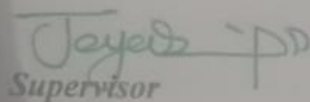
**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
Periyar Maniammai Institute of Science and Technology
Established under the Act No. 1 of 1972 of Tamil Nadu Legislative Assembly
Quality • Innovation • Transformation

BONAFIDE CERTIFICATE

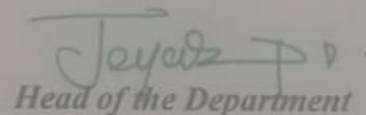
Certified that the project report “**DESIGN AND FABRICATION OF FIRE EXTINGUISHING ROBOT**” is the bonafide work of **A.ABINESH (1170120151324), K.ARAVINTHAN (1180120151359), MAUCASH (1170120151327), M.VASANTH (1170120151357)**, who carried out the project work under my supervision.

Signature :

Name:


Supervisor

(Dr.D.JEYASIMMAN)


Head of the Department

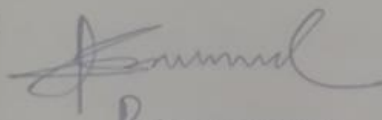
(Dr.D.JEYASIMMAN)

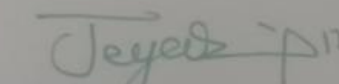
Date:

Submitted for Periyar Maniammai Institute of Science and Technology Project
Phase-2 Viva-voce Examination held on 17/05/2021 at University.

Signature:

Name:


P. SRIRAMAN
Internal Examiner


External Examiner

Date: 17/05/2021

DEPARTMENT OF EDUCATION**THESIS/ PROJECT REPORT**

NAME OF THE STUDENT	PROJECT GUIDE	PROJECT TITLE
V.Monika	Mr.M.Karthick Assistant Professor, Dept. of Education, PMIST	Design and implementation of research supervisor and research information system
S.Dinesh		
S.Uthrasri	Mr.M.Karthick Assistant Professor, Dept. of Education, PMIST	Credit card fraud detection
A.Ananthi		
S.Salini		
P.Dhaarani	Mr.M.Karthick Assistant Professor, Dept. of Education, PMIST	Web portal for hospital information system
P.Sangeetha		
K.Madhumitha	Mr.M.Karthick Assistant Professor, Dept. of Education, PMIST	Smart health monitoring system
R.Nivetha		

SMART HEALTH MONITORING SYSTEM

A PROJECT REPORT

Submitted by

K.Madhumitha(117011159070)

R.Nivetha(117011159073)

In partial fulfillment for the award of the degree of

B.SC.B.ED(INTEGRATED)/EDUCATION



**PERIYAR
MANIAMMAI**
UNIVERSITY OF SCIENCE & TECHNOLOGY
Dhanuvarthi
Vallam, Thanjavur-613 005, Tamil Nadu, India
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E-mail: hr@pmu.ac.in WEB: www.pmu.ac.in

PERIYAR NAGAR, VALLAM, THANJAVUR-613 005, TAMIL NADU, INDIA
PHONE: +91-4362-264600 FAX: +91-4362-264600
E-mail: hr@pmu.ac.in WEB: www.pmu.ac.in

WEBPORTAL FOR HOSPITAL INFORMATION SYSTEM.

A PROJECT REPORT

Submitted by

P.DHAARANI (117011159064)

P.SANGEETHA(117011159080)

*In partial fulfillment for the award of the degree
of*

B.SC.B.ED(INTEGRATED)/EDUCATION



**PERIYAR
MANIAMMAI**

PERIYAR MANIAMMAI UNIVERSITY
PO BOX 101, KULIYANDUR, KULIYANGUDI, DISTRICT
TAMIL NADU 605 006
Email: library@periyar.edu WEB: www.periyar.edu

MARCH 2021

INTERNSHIP TRAINING

DEPARTMENT OF AEROSPACE ENGINEERING

NAME OF THE STUDENT	INTERNSHIP OFFERED BY	DURATION
Gokulraj M	Society for Space Education Research and Development (SSERD)	30 days
Subhiksha V	Society for Space Education Research and Development (SSERD)	30 days
Vighaomnica S A	Society for Space Education Research and Development (SSERD)	30 days
Vijay Bhaskar Reddy M	Society for Space Education Research and Development (SSERD)	30 days



INTERNSHIP COMPLETION LETTER

Date: 19/08/2021

Ref No. IPD-P15/041-2020

To Whom It May Concern

This is to certify that **M GOKULRAJ** has successfully completed an online internship with Society for Space Education Research and Development [SSERD] as a Research Intern in the Internships and Projects Division [IPD] from **10/06/2021** to **10/07/2021**.

He has worked on a project titled **Preliminary design study of subsystems for an orbital space settlement** under the guidance of **Prakhar Jain** and **Sarvesh Kumar Yadav**. The Project Report on evaluation fulfils all the stated criteria and the student's findings are his original work.

I hereby certify that his overall work was good to the best of my knowledge.

Wishing the best of luck for his future endeavours.



Prakhar Jain
CEO, Founder
Synodic Space
Settlement Pvt Ltd

Sarvesh Kumar Yadav
CTO, Co-Founder
Synodic Space
Settlement Pvt Ltd

Sujay Sreedhar
Co-Founder & Chairman
SSERD

Mailing Address: Society For Space
Education, Research, and Development,
P.O BOX 126, Irinjalakuda, Kerala, 680121
www.sserd.org
info@sserd.org
+91 73560 22 339 / 88619 65 216



INTERNSHIP COMPLETION LETTER

Date: 19/08/2021

Ref No. IPD-P15/043-2020

To Whom It May Concern

This is to certify that **SUBHIKSHA VENUGOPALAKRISHNAN** has successfully completed an online internship with Society for Space Education Research and Development [SSERD] as a Research Intern in the Internships and Projects Division [IPD] from **10/06/2021 to 10/07/2021**.

She has worked on a project titled **Preliminary design study of subsystems for an orbital space settlement** under the guidance of **Prakhar Jain and Sarvesh Kumar Yadav**. The Project Report on evaluation fulfils all the stated criteria and the student's findings are her original work.

I hereby certify that her overall work was good to the best of my knowledge.

Wishing the best of luck for her future endeavours.



Prakhar Jain
CEO, Founder
Synodic Space
Settlement Pvt Ltd

Sarvesh Kumar Yadav
CTO, Co-Founder
Synodic Space
Settlement Pvt Ltd

Sujay Sreedhar
Co-Founder & Chairman
SSERD

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P.O BOX 126, Iriinjalakuda, Kerala, 680121
www.sserd.org
info@sserd.org
+91 73560 22 339/ 88619 63 216



INTERNSHIP COMPLETION LETTER

Date: 19/08/2021

Ref No. IPD-P15/044-2020

To Whom It May Concern

This is to certify that **VIGHAOMNICA S A** has successfully completed an online internship with Society for Space Education Research and Development [SSERD] as a Research Intern in the Internships and Projects Division [IPD] from **10/06/2021** to **10/07/2021**.

She has worked on a project titled **Preliminary design study of subsystems for an orbital space settlement** under the guidance of **Prakhar Jain and Sarvesh Kumar Yadav**. The Project Report on evaluation fulfils all the stated criteria and the student's findings are her original work.

I hereby certify that her overall work was good to the best of my knowledge.

Wishing the best of luck for her future endeavours.



Prakhar Jain
CEO, Founder
Synodic Space
Settlement Pvt Ltd

Sarvesh Kumar Yadav
CTO, Co-Founder
Synodic Space
Settlement Pvt Ltd

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+91 73560 22 339/ 88619 63 216



INTERNSHIP COMPLETION LETTER

Date: 19/08/2021

Ref No. IPD-P15/042-2020

To Whom It May Concern

This is to certify that **VIJAY BHASKAR REDDY M** has successfully completed an online internship with Society for Space Education Research and Development [SSERD] as a Research Intern in the Internships and Projects Division [IPD] from **10/06/2021** to **10/07/2021**.

He has worked on a project titled **Preliminary design study of subsystems for an orbital space settlement** under the guidance of **Prakhar Jain and Sarvesh Kumar Yadav**. The Project Report on evaluation fulfils all the stated criteria and the student's findings are his original work.

I hereby certify that his overall work was good to the best of my knowledge.

Wishing the best of luck for his future endeavours.



Prakhar Jain
CEO, Founder
Synodic Space
Settlement Pvt Ltd

Sarvesh Kumar Yadav
CTO, Co-Founder
Synodic Space
Settlement Pvt Ltd

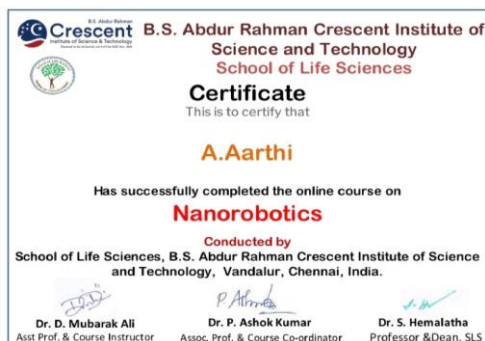
Sujay Sreedhar
Co-Founder & Chairman
SSERD

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www.sserd.org
info@sserd.org
+91 73560 22 339/ 88619 63 216

DEPARTMENT OF BIOTECHNOLOGY		
NAME OF THE STUDENT	INTERNSHIP OFFERED	DURATION
Aarthi A	(1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Abirami R	(1)Molecular cloning (2)Nanorobotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19. (8) Biotechnology business science and law course (9) Nanobiotechnology (10) TCS	1 week(1-7) 1 month(8) 1 week(9)
Abishek N	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Akshaya K	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Balaji G	(1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Fareena J	(1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Fazil Mohamed S	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Harish M	(1) cancer biology	One day
Kaviya J S	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.(8) Biotechnology business science and law course	1 week(1-7) 1 month(8)
Kaviya S	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.(8) Human Anatomy and physiology	1 week(1-7) 1 month(8)
Kisto J.M	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6)	1 week

	Immunology (7) Covid 19.	
Krishna Kamal K N	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Mofika Fathima K	1) Immunology (2) .Covid-19 (3) Plant tissue culture (4) Microbial application	1 week
Nanthini S	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Nishanthi T	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Noorul Naseela S	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Pravin Kumar V	(1) cancer biology	One day
Sailesh S.R	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Samyuktha S	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Sathya Priya V	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Shankar S	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Sivakarthikeyan M	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Sowndarya M.C	(1) Cancer biology (2) Microbial application	1 week

Surya G	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.	1 week
Theepaa M	1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.(8) Biotechnology	1 week(1-7) 1 month(8)
Bonica T	(1)Molecular cloning (2)Nano Robotics (3) .Cancer biology (4) Microbial application (5) Plant tissue culture (6) Immunology (7) Covid 19.(8) The Science of Stem Cells (9))Nanobiotechnology	1 week(1-7) 1 month(8) 1 week(9)



This is to certify that
Abirami Ramalingam
has successfully completed
Career Edge - Knockdown the Lockdown
online course offered by TCS iON


Start Date: 25 May 2020 | End Date: 24 Jun 2020

Topics:

- Communication Skills ■ Presentation Skills ■ Soft Skills ■ Career Guidance Framework ■ Resume Writing
- Group Discussion Skills ■ Interview Skills ■ Business Etiquette ■ Effective Email Writing ■ Telephone Etiquette
- Accounting Fundamentals ■ IT Foundational Skills ■ Overview of Artificial Intelligence* (Source: NPTEL)




Mehul Mehta
Mehul Mehta
Global Delivery Head, TCS iON




B.S. Abdur Rahman Crescent Institute of Science and Technology
School of Life Sciences


Certificate
This is to certify that
Abishek. N
Has successfully completed the online course on
Molecular Cloning
Conducted by
School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai, India.



Dr. Soumen Bera
Asst Prof & Course Instructor



Dr. P. Ashok Kumar
Assoc. Prof. & Course Co-ordinator



Dr. S. Hemalatha
Professor & Dean, SLS



AMERICAN MUSEUM OF NATURAL HISTORY

COURSE CERTIFICATE



06/08/2020

BONICA T
has successfully completed
The Science of Stem Cells
an online non-credit course authorized by American Museum of Natural History and offered through Coursera



Dr. Zahra Dinvar
Course Instructor

Verify at coursera.org/verify/WVQXK6T993MX
Coursera has confirmed the identity of this individual and their participation in the course.



**B.S. Abdur Rahman Crescent Institute of
Science and Technology
School of Life Sciences**

Certificate

This is to certify that

Fareena.j

Has successfully completed the online course on

Microbial Applications in Daily Life

Conducted by
School of Life Sciences, B.S. Abdur Rahman Crescent Institute of
Science and Technology, Vandalur, Chennai, India.

Dr. R. Karthikeyan
Assoc. Prof. & Course Instructor

Dr. P. Ashok Kumar
Assoc. Prof. & Course Co-ordinator

Dr. S. Hemalatha
Professor & Dean, SLS



**B.S. Abdur Rahman Crescent Institute of
Science and Technology
School of Life Sciences**

Certificate

This is to certify that

Fazil Mohamed. S

Has successfully completed the online course on

COVID-19

Conducted by
School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science
and Technology, Vandalur, Chennai, India.

Dr. Vimal Kumar
Asst Prof. & Course Instructor

Dr. P. Ashok Kumar
Assoc. Prof. & Course Co-ordinator

Dr. S. Hemalatha
Professor & Dean, SLS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING		
NAME OF THE STUDENT	INTERNSHIP OFFERED BY	DURATION
AJAY M	Zeno Research and Development	35
ASHFAQ AHAMED M	Zeno Research and Development	35
ASHWIN RAJ P	Zeno Research and Development	35
BOUSIKA S	Zeno Research and Development	87
DEEPIKA S	The Spark Foundation	30
HARINI S	XPLORE IT CROP	33
HARIS R	AD DiGiT	10
MOHAMED MUBEEN AZATH A M	Zeno Research and Development	35
NATTARAJ K	Zeno Research and Development	35
PADMASHINI K	XPLORE IT CROP	33
PRAGADEESWARAN A	Zeno Research and Development	35
RAJ AHIRWAR	Zeno Research and Development	35
RAJ KUMAR R	Zeno Research and Development	35
RAMYA S	XPLORE IT CROP	33
SANTHOSH A	Zeno Research and Development	35
SARAVANAN R	Zeno Research and Development	35
SHANTHINI P	ICT Academy,The Spark Foundation	31
SIVA KUMAR P	Zeno Research and Development	35
SURENDAR P	Zeno Research and Development	35
VETRIMARAN V	Zeno Research and Development	35
VISHWA RAGHAWIN J A	Zeno Research and Development	35
SHEIK ABDULLAH N	Zeno Research and Development	35
ARUN P	Zeno Research and Development	35
DHIYANESHWARAN S	Zeno Research and Development	35
DINESH KUMAR R	Zeno Research and Development	35
JOEL AMRITH A	Zeno Research and Development	35
KARTHIKEYAN A	Zeno Research and Development	35
KARUNYA ABINISHA A A	ICT Academy,XPLORE IT CROP	33

PRADHIKSHA K	ICT Academy,XPLORE IT CROP	33
PURANARAJA M	Zeno Research and Development	35
SATHYABALAN N	Zeno Research and Development	35
VASIKARAN M	Zeno Research and Development	35
AAKASH S	Digital Marketing	12
AJAY A.S	Digital Marketing	12
AKASH T	Digital Marketing	12
ANANDHA PRABU S	Digital Marketing	12
ARIHARASUDHAN S	Digital Marketing	12
ARIVUSELVAN U	Campus Ambassador	12
ARUN KUMAR P	Digital Marketing	12
ARUNRAJAVEL V S	Digital Marketing	12
ARUSHYA. M	Web Development,Digital Marketing	12
BALAKUMAR S	Digital Marketing	12
BALARANI V	Digital Marketing	12
DHARANIKA S	Web Development	12
DHARSINIY K	Digital Marketing,Web Design and Development Foundation	12
DHIYANESHWAR R	Digital Marketing	12
DINESH RAO K	Digital Marketing	12
DINESH VEMBAIYA S	Digital Marketing	12
DURGESWARY GANESAN	The Spark Foundation	31
GOPI KRISHNAN R	Digital Marketing	12
HARIHARAN R	Campus Ambassador	12
HARINI G	Digital Marketing	12
ISHWARYA K	Infogro Technologies	23
ISHWARYA M	Digital Marketing	12
JAMAL MOHAMED S	Bussiness Development	23
KARAN R	Digital Marketing,Mobile App Development	12
KAVIARASAN S	Digital Marketing	12
KEERTHANA V	The Spark Foundation	33

KIRUBHASHINI K	Digital Marketing	12
KRISHNAKUMAR P	HTML and CSS3,	33
MAHESHWARA MADHAN R	Digital Marketing	12
MAHESWARI M	Digital Marketing	12
MANORANJAN K	Digital Marketing	12
MOHEMED ASIK A	Digital Marketing	12
MUTHUKUMAR T	Campus Ambassador	12
NAGUL C	Campus Ambassador,Digital Marketing	12
NARENDRA PRASATH G	Digital Marketing,Web Design and Development Foundation	12
NIVEDITA	Web Development	149
PAVITHRA M	Digital Marketing	12
PRAVEEN G	Digital Marketing	12
PRAVEEN M	Digital Marketing	12
PRIYAN P	Digital Marketing	12
RAJA RAJESWARAN A	Software Development	30
RAJAGOPAL D	Digital Marketing	12
RANJITH G	Digital Marketing	12
RUTHRABALA P	Digital Marketing	12
SANTHOOSH MR	Campus Ambassador,Digital Marketing	12
SANTHOSH V	Digital Marketing	12
SHAARU SREE G	Web Development	12
SHARUK MOHAMED A	Digital Marketing	12
SHRUTHI SARANYA K L	Digital Marketing	12
SIVASANKARI R	PHP& MY SQL,Web Development,Internship& Job Prepration	30
SRIRAM N	Digital Marketing	12
SRISOWMIYA N	HTML and CSS3	33
THIRUVINOTH KUMAR C	Digital Marketing	12
VASANTH T	Digital Marketing	12
VIJAYADHARSHINI D		30
YOGAKARTHICK Y.D	Digital Marketing	12

YUGARSHAN R	Digital Marketing	12
YUVASHREE S	Digital Marketing, Web Design and Development Foundation	12
SAGANA	Digital Marketing	12
GOWRI CHOUNDAR	Digital Marketing	12
RAM RAKKAPAN	Cricket Analytic using Python	7



Certificate of Participation

ISHWARYA.M

has attended Five days Internship Programme on Digital Marketing from 21.06.2021 to 25.06.2021

Avudalappan Dharma
Founder, AD DiGiT

Matheswaran P
Co-Founder, AD DiGiT



CERTIFICATE OF ACHIEVEMENT

THIS IS PRESENTED TO

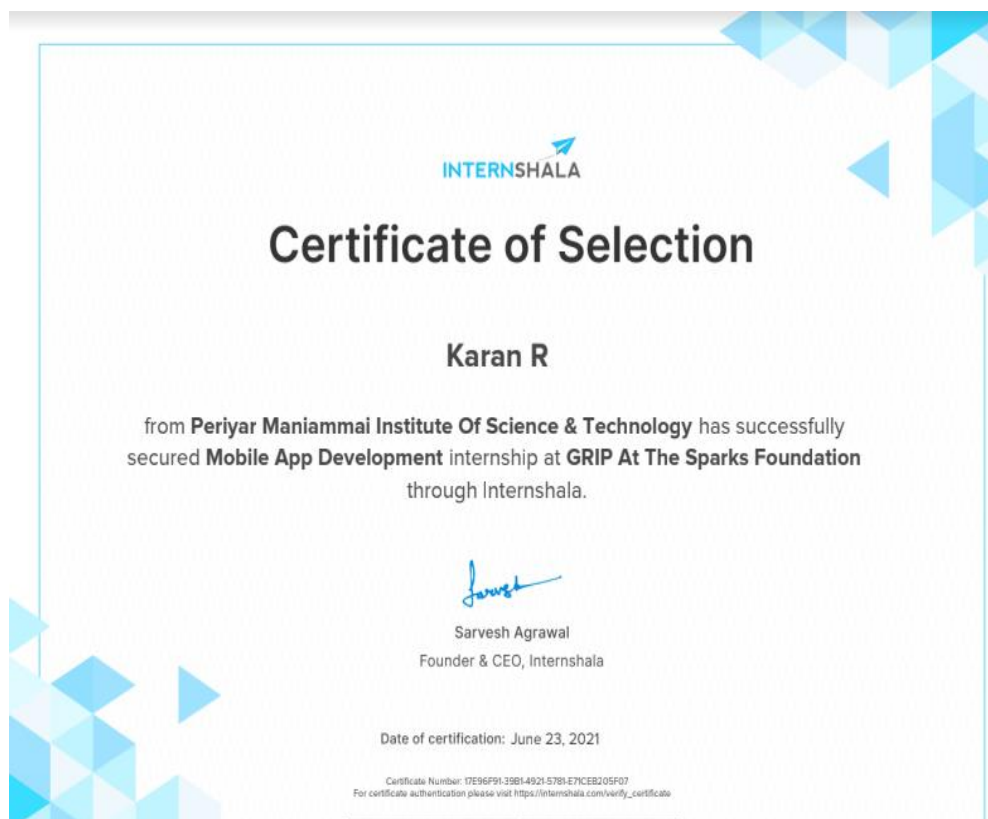
Jamal Mohamed

Innovators And You business Development Internship

This certificate is presented in recognition of your remarkable performance throughout the internship period from 02nd of July 2021 to 25th of July 2021 with Innovators and You. You have remained a stalwart supporter of our team. We hereby proudly present this to you for your diligent work.

AJAY KUMAR
CEO & Founder

Reference No. - 201229696





Suven Consultants & Technology Pvt. Ltd.

Official member to

CERTIFICATE OF INTERNSHIP

This is to certify that **krishnakumar P** has successfully completed **2 weeks (or 70 hrs)** **HTML5+CSS3** Coding Internship.

- 1) 365 Entertainment - similar to Hotstar.com
- 2) Blogging - similar to Medium.com
- 3) CSS3 Animations
- 4) Voter Registration - Replica of National Voter Service Portal Form 6

The projects were assessed by AI Engine trained by mentors as listed on <https://mentor.suvenconsultants.com>

Your performance was **Enviably** - 🏆🏆🏆🏆🏆 in the Online Internship. Wishing you all the best for more internships and a great career.

Your Internship Profile can be viewed on <https://internship.suvenconsultants.com/user?u=a3Jpc2huYXRhbWlsMzE3QHNjdHBs>

Rocky Jagtiani

Date of Issue: 25-08-2021

This is auto generated by our AI engine

Domain Expert: Rocky Jagtiani
Technical Head - SCTPL
<https://suvenconsultants.com>

Niraj Sharma

Domain Expert: Niraj Sharma
UI/UX expert and Software Engineer
NeoSOFT Technologies

Tarik Sheth

Domain Expert: Tarik Sheth
MCP, HP(AIS), CSTE, CSQA, CSTM
VP(in Investment Banking MNC)

Companies Recruiting

... & Many More

DEPARTMENT OF MECHANICAL ENGINEERING

S.NO	REGISTER NUMBER	STUDENT NAME	PROGRAMME NAME	PROGRAMME OFFERED BY
1	1180120151360	ARAVIND S	Total Productive Maintenance	Europe Academy-European open university
2	1180120151361	DHILEEP KUMAR R	Ansys	Internshala Training
3	1180120151362	DHIVAKARAN L	Control Engineering	Europe Academy-European open university
4	1180120151363	ESWARAPANDIYAN V	Total Productive Maintenance	Europe Academy-European open university
5	1180120151364	HARI KRISHNAN G	Automobile Engineering Basicis	Europe Academy-European open university
6	1180120151365	HARIHARAN M	LTE Technology	Europe Academy-European open university
7	1180120151366	HARISH A	Total Quality Management	Europe Academy-European open university
8	1180120151367	JAYAPRAVEEN R	Official Hero Motocrop	Pravi Motors Pvt Limited
9	1180120151368	KALAIMANI S	Automobile Transmission	Europe Academy-European open university
10	1180120151369	KARTHIK R	Control Engineering	Europe Academy-European open university
11	1180120151370	KAVINBABU M	Total Quality Management	Europe Academy-European open university
12	1180120151371	MOHAMED ASIF ALI A	Step into Robotic process automation	Guvi
13	1180120151372	NAWIN KUMAR N	Total Quality Management	Europe Academy-European open university
14	1180120151373	PAKEERMANAS K	Total Productive Maintenance	Europe Academy-European open university
15	1180120151375	PONNILAVAN B	Artificial Intelligence	Europe Academy-European open university
16	1180120151376	RAGUL M	Control Engineering	Europe Academy-European open university
17	1180120151378	RISHIDHARAN K	Total Productive Maintenance	Europe Academy-European open university
18	1180120151381	SARAVANAVASAN P	Control Engineering	Europe Academy-

				European open university
19	1180120151384	THANASEKARAN B	Total Quality Management	Europe Academy-European open university
20	1180120151385	VALLARASU K	Total Productive Maintenance	Europe Academy-European open university
21	1180120151386	VENKATACHALAM S	Automobile Engineering Basics	Europe Academy-European open university
22	1180120151387	VENKATRAMA T	Python for Machine learning, Control Engineering	Great Learning Academy,Europe Academy- European open university
23	1180120151388	VIGNESH S	Total Productive Maintenance	Europe Academy-European open university
24	1180120151390	VISWAK K	Total Productive Maintenance	Europe Academy-European open university
25	1180120151391	RAMKUMAR R	Total Productive Maintenance	Europe Academy-European open university
26	119012065477	AJMAL HUSSAIN K	Python Bootcamp	Udemy
27	119012065478	AKASH M	Frontend Fundamentals	Purple
28	119012065479	ARAVIND B	Total Quality Management	Europe Academy-European open university
29	119012065480	ARJUN P	Total Quality Management	Europe Academy-European open university
30	119012065481	AVINASH R	Total Quality Management	Europe Academy-European open university
31	119012065482	DHINESHKUMAR S	Total Quality Management	Europe Academy-European open university
32	119012065483	DHIVYARAJ K	Total Quality Management	Europe Academy-European open university
33	119012065484	DINAHARAN D	Total Quality Management	Europe Academy-European open university
34	119012065485	GOKUL S	Total Quality Management	Europe Academy-European open university
35	119012065486	HARISH KUMAR S K	Internship & Job Preparation	Internshala Training
36	119012065487	JOHN LARANCE Y	Step into Robotic process automation	Guvi

37	119012065488	KARTHI G	Total Quality Management	Europe Academy-European open university
38	119012065489	NAVIN RAJA A	Nuclear Engineering	Europe Academy-European open university
39	119012065490	NISHANTH K.V	Step into Robotic process automation	Guvi
40	119012065491	PALANIVEL C	Total Quality Management	Europe Academy-European open university
41	119012065492	NAVEENKUMAR S	Search Enginer Optimization	Skillstech
42	119012065493	POOVARASAN G	NASA system Engineering	Europe Academy-European open university
43	119012065494	PRABATH S	Fundamentals of JAVA	Pirple
44	119012065495	PRAKADISH S	Ansys	Internshala Training
45	119012065496	PRASANTH R	Total Quality Management	Europe Academy-European open university
46	119012065497	PRAVEEN P	Automobile Transmission	Europe Academy-European open university
47	119012065498	PRAVEEN S	Total Quality Management	Europe Academy-European open university
48	119012065499	PUNITHAN V	Step into Robotic process automation,Fundamentals of Digital Marketing, Introduction to information security	GUVI, Google Digital Garage, Great Learning
49	119012065500	RAIMAND PACKIAM S	Quality Basics	Europe Academy-European open university
50	119012065501	SIVAKUMAR P	Artificial Intelligence	Europe Academy-European open university
51	119012065502	SRINIVAS M	Control Engineering	Europe Academy-European open university
52	119012065503	SUGANTHAN S	Fundamentals of Digital Marketing.TQM	Google Digital,Europe Academy- European open university
53	119012065504	SURYA PRABHAKARAN SC	Total Quality Management	Europe Academy-European open university
54	119012065505	VENGADESWARAN A	Total Quality Management	Europe Academy-European open

				university
55	119012065506	VIGNESH K	Total Productive Maintenance	Europe Academy-European open university
56	119012065507	VIJAI S	Step into Robotic process automation	Guvi
57	119012065508	VIJAYPRASANTH P	Frontend Fundamentals,html5 AND css3	Purple



Certificate of Training

Dhileep Kumar R

has successfully completed a eight weeks online training on **Ansys**. The training consisted of Introduction to Finite Element Analysis (FEA), Understanding Concepts at Work & Installing Ansys, Introduction to Ansys Software, Static Structural Analysis, Modal, Thermal, & Buckling Analysis, Case Studies and Final Project modules.

In the final assessment, Dhileep Kumar scored 60% marks.
We wish Dhileep Kumar all the best for the future endeavours.



Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2021-08-10

Certificate no. : 8B610D05-05B8-C84D-AB93-7A35E88E45CF

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

Europe Academy
EUROPEAN OPEN UNIVERSITY

DIPLOMA

This is to certify that
L Dhivakaran.

has successfully completed the course of study in

Control Engineering

PROFESSIONAL DIPLOMA PROGRAM

Awarded Date

23/08/2021

Alper Karakus

President – Open Learning, AEU



Ursula Hermann

Director – Continuing Education, AEU

DEPARTMENT OF EDUCATION		
NAME OF THE STUDENT	INTERNSHIP OFFERED BY	DURATION
II Year		
AKALYA A	Guthoos Matric.Hr.Sec.School, Karamakudi	30
ASHOK KUMAR S	Govt.Boys Hr.Sec.School, Virudhachalam	30
GANGAITHARA S	Little Rose Matric Hr.Sec.School, Orathanadu	30
HARITHA S	Govt.Boys Hr.Sec.School, Virudhachalam	30
JENIYA PRINCY D	NLC High School, Neyveli	30
KEERTHANA M	Maxwell Matric.Hr.Sec.School, Thanjavur	30
MAHESHWARI R	Guthoos Matric.Hr.Sec.School, Karamakudi	30
MATHIVATHANI S	TNPL Public School, Khakidapuram	30
NAVEEN S	The Genius Matric.Hr.Sec.School, Thanjavur	30
NIVETHA M	NLC High School, Neyveli	30
PARKAVISREE M	The Genius Matric.Hr.Sec.School, Thanjavur	30
PRIYADHARSHINI R	The Genius Matric.Hr.Sec.School, Thanjavur	30
SANTHIYA L	Little Rose Matric Hr.Sec.School, Orathanadu	30
SATHKAVI N	Periyar Centruy Memorial Hr.Sec.School, Thiruchirapalli	30
SHALINI S	Maxwell Matric.Hr.Sec.School, Thanjavur	30
SIVABHARATHI B	G.H.School, Thannerkunnam	30
VIGNESHWARAN D	Govt.Boys Hr.Sec.School, Virudhachalam	30
VISHALINI G	TNPL Public School, Khakidapuram	30
III Year		
R. ABINAYA	Little Rose Matric.Hr.Sec.School, Orathanadu	30
S. AJAY ANTONY	Allwin Hr.Sec.School, Thanjavur	30
B. AKILA	G.Hr.Sec.School, Thiruvarur	30
R.ASVIN	Sri Bharathi Vidyalaya Hr.Sec.School, Mannarkudi	30
R.BARANI	Allwin Hr.Sec.School, Thanjavur	30
P.CYNTHIA SHIVANI	Maxwell Matric.Hr.Sec.School, Thanjavur	30
S.DIVIYA MEENATCHI	G.Hr.Sec.School, Kodikalpalayam	30
K.FATHIMA NISHA	Allwin Hr.Sec.School, Thanjavur	30
K.GANAPATHY SUNDARAM	Allwin Hr.Sec.School, Thanjavur	30
K. GAYATHIRI	G.Hr.Sec.School, Pulivalam	30
G. GAYATHRI	Allwin Hr.Sec.School, Thanjavur	30
P.GAYATHRI	Allwin Hr.Sec.School, Thanjavur	30
B.GOWSALYA	Pattukottai Alagiri Matric Hr.Sec.School, Papanasam	30

K. ISWARIYA	G.Hr.Sec.School, Pulivalam	30
S.KEERTHISWARI	G.Hr.Sec.School, Pulivalam	30
J. LISSY ANGEL	Little Rose Matric.Hr.Sec.School, Orathanadu	30
S.MAHIMA	AKR Matric.Hr.Sec.School. Enankudi	30
S. NISHA	Maxwell Matric.Hr.Sec.School, Thanjavur	30
B.PRIYADHARSHINI	Little Rose Matric.Hr.Sec.School, Thiruvarur	30
G.RUPANA GAYATHRI	Mother Teresa Matric.Hr.Sec.School, Mettusalai	30
A.K.SARUMATHI	G.Hr.Sec.School, Needamangalam	30
K.R.SATHIYA PRIYA	Mother Teresa Matric.Hr.Sec.School, Mettusalai	30
K.R. SHALINI	Allwin Hr.Sec.School, Thanjavur	30
M.SIVASANKARI	Allwin Hr.Sec.School, Thanjavur	30
M. SOWMIYA	Sri Ambal's Matric Hr.Sec.School, Padalur	30
G.SUDHESHNA	SBA.Matric.Hr.Sec.School, Mannarkudi	30
K.SUJITHA	Little Rose Matric.Hr.Sec.School, Orathanadu	30
T.K.TAMIZHAMUDHU	Allwin Hr.Sec.School, Thanjavur	30
H. THASLIMA	SBA.Matric.Hr.Sec.School, Mannarkudi	30
T. UDHAYA SURYA	Saraswathi Matric.Hr.Sec.School, Kodilam	30
IV Year		
A.ANANTHI	Allwin Hr.Sec.School, Thanjavur	40
S.L. ANUSHA	NLC High School,Neyveli	40
P. ANUSUYA	Periyar Matriculation Hr.Sec.School, Jayankondam	40
A.ARTHIESWARI	Little Rose Matric.Hr.Sec.School, Orathanadu	40
P. DHAARANI	ARR Matric Hr.Sec.School, Kumbakonam	40
S. DINESH	Little Rose Matric.Hr.Sec.School, Orathanadu	40
P. GOPIKA	Sri Ambal's Matric Hr.Sec.School, Padalur	40
G.KARPAGALAKSHMI	Naveena Higher Secodnary School, Thiruvonam	40
M.KRITHIKA	NLC High School,Neyveli	40
K.MADHUMITHA	Vallalar Gurukualam Matric.Hr.Sec.School, Nannilam	40
M.MEGALA	Vallalar Gurukualam Matric.Hr.Sec.School, Nannilam	40
V.MONIKA	Kasturba Gandhi Matric Hr.Sec.School, Thiruvarur	40
R.NIVETHA	Allwin Hr.Sec.School, Thanjavur	40
J.POONTHALIR	SVS International School, Thiruthuraipoondi	40
R.PRIYADHARSHINI	Annai Meenakshi Naachiyar School, Aranthangi	40
G.REXY	St.Antony's Matric Hr.Sec.School, Vedaranyam	40

PS.RIYAASRI	G.H.Sec.School, Kilapuliyur	40
S.SALINI	Allwin Hr.Sec.School, Thanjavur	40
G.SANDHIYA	Kasturba Gandhi Matric Hr.Sec.School, Thiruvarur	40
P.SANGEETHA	Vallalar Gurukulam Matric.Hr.Sec.School, Nannilam	40
K.SANTHIYA	G.Hr.Sec.School, Nayaganapriyal	40
P.S.SARANYA	St.Antony's Matric Hr.Sec.School, Vedaranyam	40
B.SEETHALAKSHMI	Allwin Hr.Sec.School, Thanjavur	40
T.SHANMATHI	Little Rose Matric.Hr.Sec.School, Orathanadu	40
T. SHANMUGAPRIYA	Little Rose Matric.Hr.Sec.School, Orathanadu	40
S.SIVARANJANI	Little Rose Matric.Hr.Sec.School, Orathanadu	40
S. SOWMIYA	Little Rose Matric.Hr.Sec.School, Orathanadu	40
E. SUBASHINI	St.Antony's Matric Hr.Sec.School, Vedaranyam	40
C.SUVETHA	Vallalar Gurukulam Matric.Hr.Sec.School, Nannilam	40
K.SWATHI	J.Jeya Matric Hr.Sec.School, Nagapattinam	40
T.SWATHIKA	Little Rose Matric.Hr.Sec.School, Orathanadu	40
S.UTHRASRI	Allwin Hr.Sec.School, Thanjavur	40

DEPARTMENT OF EDUCATION
Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India.
Email: headbedu@pmu.edu Website: www. pmu.edu

CERTIFICATE OF COMPLETION OF SCHOOL INTERNSHIP

This is to certify that Ms. S. Salini Reg. No. 11701159078
a IV Year B.Sc.B.Ed (Integrated) Student of Department of Education, Periyar Maniammai Institute of
Science & Technology (Deemed to be University), Vallam, Thanjavur, undergone school internship
programme in Allwin Higher Secondary School, Thanjavur
from 18-01-2021 to 13-03-2021 He/she has successfully completed the school internship
programme. On these days her/his conduct was Good

Date: _____ School Seal _____ Head Master / Principal with seal _____

**தலைமையாசிரியர்,
'ஆல்வின் மேல்நிலைப்பள்ளி,
தஞ்சாவூர் - 613 007.**

DEPARTMENT OF EDUCATION

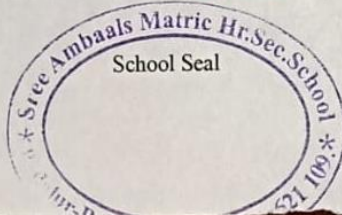
Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India.
Email: headbedu@pmu.edu Website: www.pmu.edu



CERTIFICATE OF COMPLETION OF SCHOOL INTERNSHIP

This is to certify that Ms. /Mr. GIOPIKA.P Reg. No. 117011159066
a IV Year B.Sc.B.Ed (Integrated) Student of Department of Education, Periyar Maniammai Institute of
Science & Technology (Deemed to be University), Vallam, Thanjavur, undergone school internship
programme in SREE AMBAAL'S MATRIC.HR.SEC School, PADALUR
from 27.01.2021 to 19.03.2021 He/she has successfully completed the school internship
programme. On these days her/his conduct was Good

Date:



Head Master / Principal with seal

PRINCIPAL

Sree Ambaals Matric Hr. Sec. School,
Padalur Po., Perambalur Dt. 621 109.

DEPARTMENT OF EDUCATION

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India.
Email: headbedu@pmu.edu Website: www.pmu.edu



PERIYAR
MANIAMMAI



CERTIFICATE OF COMPLETION OF SCHOOL INTERNSHIP

This is to certify that Ms. /Mr. SANTHIYA Reg. No. 117011159081
a IV Year B.Sc.B.Ed (Integrated) Student of Department of Education, Periyar Maniammai Institute of
Science & Technology (Deemed to be University), Vallam, Thanjavur, undergone school internship
programme in Govt. High School School, Narayagangapitthyal
from 27.01.2021 to 21.03.2021 He/she has successfully completed the school internship
programme. On these days her/his conduct was Good

Date: 21.03.2021



Head Master / Principal with seal

அரசு உயர்நிலைப்பள்ளி,
நாயகாங்காப்பித்தியாள்,
ஆரியலூர் மாவட்டம்-621 804

DEPARTMENT OF EDUCATION

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India.
Email: headbedu@pmu.edu Website: www.pmu.edu



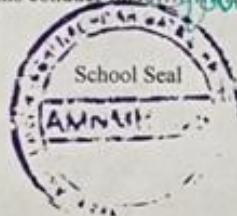
PERIYAR



CERTIFICATE OF COMPLETION OF SCHOOL INTERNSHIP

This is to certify that Ms. /Mr. R. Priyadharshini..... Reg. No. 1A.T011159075.....
a Final Year B.Sc.B.Ed (Integrated) Student of Department of Education, Periyar Maniammai Institute of
Science & Technology (Deemed to be University), Vallam, Thanjavur, undergone school internship
programme in Annai Meenatchi Nachiar..... School, Aranthangi.....
from 6/1/2020 to 5/3/2020 He/she has successfully completed the school internship
programme. On these days her/his conduct was Good.....

Date: 22.3.2021



Head Master/Principal with seal
PRINCIPAL
ANNAI MEENATCHI NA CHIAR
MATRIC. HR.SEC.SCHOOL
ARANTHANGI 614 616

DEPARTMENT OF EDUCATION

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India.
Email: headbedu@pmu.edu Website: www.pmu.edu



PERIYAR
MANIAMMAI
INSTITUTE OF SCIENCE & TECHNOLOGY

CERTIFICATE OF COMPLETION OF SCHOOL INTERNSHIP



This is to certify that Ms. /Mr. PS.RIYASRI (1A.T011159077)..... Reg. No. 1A.T011159077.....
a IV Year B.Sc.B.Ed (Integrated) Student of Department of Education, Periyar Maniammai Institute of
Science & Technology (Deemed to be University), Vallam, Thanjavur, undergone school internship
programme in Government Higher Secondary..... School, Karlapuliyur.....
from 18.1.2021 to 06.3.2021 He/she has successfully completed the school internship
programme. On these days her/his conduct was Good.....

Date: 06.3.2021



Head Master/Principal with seal
PRINCIPAL
அரசு மேல்நிலைப்பள்ளி,
கீழப்பலியூர் - 621 115,
பெரம்பலூர் மாவட்டம்.