



DEPARTMENT OF INSTRUMENTATION AND APPLIED PHYSICS
भारतीय विज्ञान संस्थान / INDIAN INSTITUTE OF SCIENCE
बैंगलोर / BANGALORE - 560 012, INDIA

CERTIFICATE

This is to certify that Mr. B.S. Bharat (Reg. No. 175154602,) student of M.Sc. (Electronics) from Mangalore University, has successfully completed his project titled *"FABRICATION AND PERFORMANCE EVALUATION OF THIN FILM THERMOCOUPLES"* in the department of Instrumentation and Applied Physics, Indian Institute of Science, Bangalore under my supervision during the period January - April 2019.

Dr. K.R. GUNASEKHAR
Principal Research Scientist
Dept. Of Instrumentation & Applied Physics
Indian Institute of Science
Bangalore - 560 012, India.
Ph : 080-22932194, E-mail : krguna@iisc.ac.in



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MYS / KN

July 2, 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Aravinda V** a student of **Mangalore University, Mangalore** has completed Project titled "**Smart USB Reader for Energy Meter**" in our organization from **20.01.2019 to 10.06.2019**.

The Project was guided by **Mr. Devrat Singh - Senior Project Manager - MPS Design Engineering**

During this period **Mr. Aravinda V** has shown keen interest and completed the Project successfully.

We wish him success in all his endeavors.

For Larsen & Toubro Limited

K Nagaraja

Asst. General Manager

Administration & Plant Engg.

MANGALORE UNIVERSITY

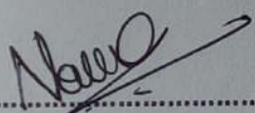
MANGALAGANGOTRI



DEPARTMENT OF ELECTRONICS

CERTIFICATE

This is to certify that the project entitled "INTEGRATION OF BLOCKCHAIN WITH IOT" was carried out by **SHREEDHARA DG** Reg. no. **175154609** a student of **MANGALORE UNIVERSITY**, in partial fulfilment for the award of "MASTER OF ELECTRONICS", During the year 2017-2019. The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the said degree.

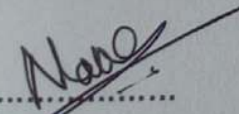
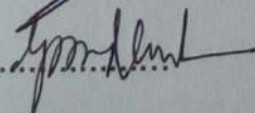

.....
Name & Signature of the Guide

NaveenChandra Kumar
Dept. of Electronics
MANGALORE UNIVERSITY


.....
Name & Signature of the HOD

Dr.NaveenKumar S K
Dept. of Electronics
MANGALORE UNIVERSITY

EXTERNAL EXAMINERS

1. 
.....
2. 
.....

Dr. MURTHI MAHADEVA NAIK'S

Date: 15/09/2019

Place: Mangalagangothri

MANGALORE



UNIVERSITY

CERTIFICATE

This is to certify that the project entitled **"AUTOMATIC CAR PARKING SYSTEM"** has been successfully completed by **BIBIANA LYNGDOH NONGLAIT** bearing register number **175154603**, for the partial fulfilment of the requirements for the award of the degree of the Master of Science in Electronics prescribed by Mangalore University, Mangalagangothri, during the year 2018-2019.

GUIDE

03/07/19

Mrs. Nishatha. N

Lecturer

Department of Electronics

Mangalore University

HEAD OF DEPARTMENT

[Signature]

Dr. Naveen Kumar S.K.

Professor and Chairman

Department of Electronics

Mangalore University

Examiners:

1. [Signature]

2. [Signature]

Dr. MURTHI MAHADEVANAIK.G

Date:

Place:



MANGALORE

UNIVERSITY

Mangalagangothri, Konaje, Karnataka-574199

CERTIFICATE

This is to certify that the project entitled "**Implementation of Vending Machine Logic using Verilog HDL On FPGA Board**" is a bona fide work carried out by **K N HAREESH (REG.NO:175154604)** in partial fulfillment for the award of degree of Master of Science in Electronics prescribed by **Mangalore University**, Mangalagangothri, during the year **2018-2019**. The project work has been approved as it satisfies the academic requirements in respect of the project work prescribed for master's degree in Electronics.

Guide:

Mr. Beerasha R S

Lecturer

Department of Electronics

Mangalore University

Mangalagangothri

Konaje-574199

Head of The Department:

Dr. Naveen Kumar S.K.

Professor and Chairman

Department of Electronics

Mangalore University

Mangalagangothri

Konaje-574199

Name of the Examiners

1.

2.

Dr. MURTHI MAHADEVA NANK. G

DATE:

PLACE:

MANGALORE UNIVERSITY



Mangalagangothri, Konaje, Karnataka-574199

CERTIFICATE

This is to certify that the project entitled "**Auto verification and authentication in EVM**" is a bona fide work carried out by **Nikhil B V**(Reg No. 175154605), in partial fulfillment for the award of degree of **Master of Science in Electronics** prescribed by **Mangalore University**, Mangalagangothri, during the year **2018-2019**. The project work has been approved as it satisfies the academic requirements in respect of the project work prescribed for master's degree in Electro

Guide:

Mr. Rakesh Prabhu

Lecturer

Department of Electronics

Mangalore University

Mangalagangothri

Konaje - 574199

Head of the Department

Dr. Naveen Kumar S.K.

Professor and Chairman

Department of Electronics

Mangalore University

Mangalagangothri

Konaje - 574199

Name of the Examiners

1.

2.

Dr. MURTHI MAHADEVA NAIK S

Date:

Place:

Mangalore University

MANGALORE UNIVERSITY



CERTIFICATE

This is to certify that the project entitled "**Performance estimation of MIMO and OFDM system for 4G and 5G systems**" has been successfully completed by **Samskruthi. T. K** and **Pavithra. K** bearing the register number **175154608** and **175154606**, for partial fulfilment of the requirements for the award of the degree of the Master of Science in Electronics prescribed by Mangalore University, Mangalagangothri, during the year 2018-2019.

Guide

Dr. Ambresh Prabhakar Ambalgi

Assistant professor

Department of Electronics

Mangalore University

Head of the Department

Dr. Naveen Kumar S.K.

Professor and Chairman

Department of Electronics

Mangalore University

Examiners:

1.

2.

Dr. MURTHI MAHADEVA NAIK. G

Date: 15.07.19

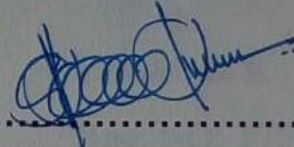
Place:

MANGALORE UNIVERSITY

Mangalagangothri, Konaje, Karnataka-574199

CERTIFICATE

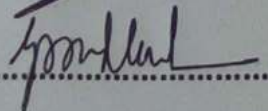
This is to certify that the project entitled "**Currency Recognition System**" is a bona fide work carried out by **Prathima.k** (Reg No. 175154607), in partial fulfillment for the award of degree of **Master of Science** in **Electronics** prescribed by **Mangalore University**, Mangalagangothri, during the year **2018-2019**. The project work has been approved as it satisfies the academic requirements in respect of the project work prescribed for master's degree in Electronics.



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Guide:
Dr.Ravi.S
Lecturer
Department of Electronics
Mangalore University
Mangalagangothri
Konaje-574199

.....
Head of the Department
Dr. Naveen Kumar S.K.
Professor and Chairman
Department of Electronics
Mangalore University
Mangalagangothri
Konaje-574199

Name of the Examiners

1. 
2. 

Dr. MURTHI MAHADEVA NAIK.G

Date:

Place: