


Civil Dept. Project work 2020-21

SL. No.	Program code	Name of the students	Project Topic
1.	CV	Nabeel Khan	Analysis and design of rcc chimney
2.	CV	Vishal Patel	Analysis and design of rcc chimney
3.	CV	Ahmed Omar	Analysis and design of rcc chimney
4.	CV	Shashikala Mr	Analysis and design of rcc chimney
5.	CV	Harish Chowdary	Augmentation of ecological flow in shivapura
6.	CV	Sandeep P	Augmentation of ecological flow in shivapura
7.	CV	Ansar Alam	Analysis of High-rise building in seismic zones using ETABS Software Analysis of High-rise building in seismic zones using ETABS Software
8.	CV	Shruti Chavan	Analysis of High-rise building in seismic zones using ETABS Software Analysis of High-rise building in seismic zones using ETABS Software
9.	CV	Shivaranjini C	Analysis of High-rise building in seismic zones using ETABS Software Analysis of High-rise building in seismic zones using ETABS Software
10.	CV	Madhumati M Gunaga	Analysis of High-rise building in seismic zones using ETABS Software Analysis of High-rise building in seismic zones using ETABS Software
11.	CV	Tanuja B	Partial replacement of fine aggregate using crumb rubber
12.	CV	Prasanna Kumar Jadhav	Upflow anaerobic sludge blanket reactor at AMCEC
13.	CV	Puneeth CB	Partial replacement of fine aggregate using crumb rubber
14.	CV	Chaya S	Partial replacement of fine aggregate using crumb rubber
15.	CV	R. Nikhil	Partial replacement of fine aggregate using crumb rubber
16.	CV	Rajashekhara C M	Upflow anaerobic sludge blanket reactor at AMCEC
17.	CV	Asif Ahmad Ganie	Experimental study on characteristics of bacterial concrete
18.	CV	Mohammad Tafzeel Qureshi	Experimental study on characteristics of bacterial concrete
19.	CV	Javaid Aalam	Experimental study on characteristics of bacterial concrete
20.	CV	Rajesh H Jagadar	Upflow anaerobic sludge blanket reactor at AMCEC
21.	CV	Iqra Rashid	Experimental Study on characteristics of bacterial strength
22.	CV	K S Aravind	Improved intersection by a fly over
23.	CV	Prajwal A N	Improved intersection by a fly over
24.	CV	Ranjitha H.R	Improved intersection by a fly over

25.	CV	Vishal Kavali	Improved intersection by a fly over
26.	CV	Swaroop S	Development of sustainable green infrastructure for AMCEC
27.	CV	Bharath Rajnath Patil	Development of sustainable green infrastructure for AMCEC
28.	CV	Sushant B Hegde	Development of sustainable green infrastructure for AMCEC
29.	CV	Bhoomika O	Development of sustainable green infrastructure for AMCEC
30.	CV	Chandra Babu S	Up flow anaerobic sludge blanket reactor at AMCEC
31.	CV	Ranjan M N	Water security for Athinatham Village
32.	CV	Ranjith Kumar S	Water security for athinatham villege
33.	CV	Kiran P	Water security for athinatham villege
34.	CV	S Sagar	Water security for athinatham villege
35.	CV	K N Srinidhi Acharya	Usage of waste plastic in bituminous pavements
36.	CV	Prashanta Halladakeri	Usage of waste plastic in bituminous pavements
37.	CV	Shridhar	Usage of waste plastic in bituminous pavements
38.	CV	Shrishail Sonnad	Usage of waste plastic in bituminous pavements
39.	CV	Rahul A T	Performance of modified bitumen by partial replacement of recycled materials
40.	CV	Chandu N Gourannavar	Performance of modified bitumen by partial replacement of recycled materials
41.	CV	Manasa K	Performance of modified bitumen by partial replacement of recycled materials
42.	CV	Pratheeksha C P	Performance of modified bitumen by partial replacement of recycled materials
43.	CV	Chethan S	Augmentation of ecological flow in shivapura
44.	CV	Rajesh B R	Restrengthening of building using cfrp
45.	CV	Lavanya H N	Restrengthening of building using cfrp
46.	CV	Sushmitha K	Restrengthening of building using cfrp
47.	CV	Vivek.S.Nayaka	Plumbing of high rise structure
48.	CV	Adarsh H P	Plumbing of high rise structure
49.	CV	Devegowda M S	Plumbing of high rise structure
50.	CV	Darshan T R	Plumbing of high rise structure
51.	CV	Praveen Kumar Ks	Augmentation of ecological flow in shivapura
52.	CV	Akash K Anil	Eco-hydrology foot print
53.	CV	Radhakrishna V	Eco-hydrology foot print
54.	CV	Rakesh C M	Eco-hydrology foot print
55.	CV	Mahesh	Eco-hydrology foot print


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

AMC ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "ESTIMATION OF PEAK FLOW OF NETHRAVATHI RIVER USING FLOOD FREQUENCY ANALYSIS" carried out by Ms. NANDITHA T (IAM17CV028), Ms. NAVYA S (IAM17CV029), Ms. PRIYA R (IAM17CV036), Ms. VISMAYA R S (IAM17CV047), bonafide students of AMC ENGINEERING COLLEGE, in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department in the department library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of the Guide
Prof. RAVITHEJ N

Signature of the HOD
Head of Dept. of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

Signature of the Principal

Dr. A G NATARAJ
(Dr. GIRISHK. C.)

Name of the Examiners

Signature with Date

1.

2.

AMC ENGINEERING COLLEGE

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]
18th K.M.Bannerghatta Main Road Bengaluru, 560083.

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the evaluation of project report titled On "IMPROVING THE CHARACTERISTIC STRENGTH OF PERVIOUS CONCRETE FOR HEAVY VOLUME TRAFFIC PAVEMENT" is a Bonafide work carried out by ANUSHA T M (1AM17CV007), NISSAR AHMED (1AM17CV030), POOJITHA G (1AM17CV034), CHANDRIKA M (1AM18CV401) in partial fulfilment for the award of "Bachelor of Engineering" in Civil Engineering of the Visvesvaraya Technological University, Belagavi during the year 2020-21. It is certified that all correction/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of the technical seminar work prescribed for the said degree.

Signature of Guide
Prof. Ganesh S S Y

17/08/2021

Signature of HOD
Dr. Shashishankar A
Head of Dept, of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road
Bangalore - 560 083.

Signature of Principal
Dr.A.G. Nataraj

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

AMC ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "INNOVATIVE TECHNIQUE FOR CORROSION MANAGEMENT OF REINFORCED CONCRETE STRUCTURE" carried out by Mr. PRATHIK GOWDA K S (1AM17CV035), Mr. SHIVKUMAR N (1AM17CV042), Mr. YOGESH C (1AM17CV049), Mr. MARUTHI K R (1AM17CV050), bonafide students of AMC ENGINEERING COLLEGE, in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department in the department library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of the Guide
Prof. NISCHITHA S Y

Nishu

Name of the Examiners

1.

2.

Signature of the HOD

Dr. Shashishankar A

Head of Dept, of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

A.S. Nataraj
Signature of the Principal

Dr. GIRISHA C

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Signature with Date

AMC ENGINEERING COLLEGE

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18th K.M. Bannerghatta Main Road Bangalore- 560083

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "Analysis and Design Of G+3 Building Using STAAD Pro Software" is a bonafide work carried out by M KRISHNA (1AM16CV022), S PAVAN KUMAR (1AM16CV036), SIDDESH T R (1AM16CV045), SURESH A (1AM17CV417), in partial fulfillment for the award of "Bachelor of Engineering" in Civil Engineering of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is certified that all correction/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department library. The technical seminar report has been approved as it satisfies the academic requirements in respect of the technical seminar work prescribed for the said degree.

Signature of Guide

Mr. Ganesh. S.S.Y

Signature of HOD

Dr. Shashishankar A
Head of Dept, of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

Signature of principal

Dr. A.G. Nataraj

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

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DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "SEISMIC ANALYSIS OF G+12 HIGH RISE BUILDING STRUCTURE WITH SHEAR WALL USING ETABS SOFTWARE" carried out by Mr. ABHISHEK K (IAMI7CV003), Mr. PAVAN H N (IAMI7CV031), Ms. POOJA R M (IAMI7CV032), Ms. RASHMI R (IAMI7CV038), bonafide students of AMC ENGINEERING COLLEGE, in partial fulfilment for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Date:

Place: Bangalore

Mr. GANESH SSY

Internal Guide

Name of the Examiners

1.

2.

Dr. SHASHISHANKAR. A

HOD. Dept of

Civil Engineering

Head of Dept, of Civil Engg

AMC Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

Dr. A G NATARAJ

Principal

AMCEC

Signature with Date

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083

AMC ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "ANALYSIS AND DESIGN OF RESIDENTIAL BUILDING (G+5) USING ETABS AS DESIGN AIDED TOOL" carried out by Ms. HARINI M (IAMI6CV015), Mr. SANJAY KUMAR J (IAMI6CV039), Ms. APOORVA M P (IAMI7CV008), Ms. MUSKAAN (IAMI7CV026) Bonafide students of AMC ENGINEERING COLLEGE, in partial fulfilment for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Mr. Mohiyuddin C S
Assistant Professor
Dept. of Civil Engineering

12/10

Name of the Examiners

1.

2.

Dr. Shashishankar A

Head of Dept. of Civil Engg
AMC Engineering College
Dept. of Civil Engineering
18th K.M., Bellary Road,
Bangalore - 560 083.

Dr. A G Nataraj

Principal

AMCEC

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Signature with Date

AMC ENGINEERING COLLEGE18th K.M. Bannerghatta Main Road Bangalore, 560083**DEPARTMENT OF CIVIL ENGINEERING****CERTIFICATE**

This is to certify that the evaluation of Project report entitled "PRODUCING BRICKS USING BLACK COTTON SOIL AND PLASTIC WASTE" is a bonafide work Carried out by HIMANSHU SHEKHAR (IAMI4CV019), SHUAIB AHMED (IAMI6CV414), DAYANANDA H.V(IAMI5CV010), ANUSH N. (IAMI6CV401), in partial fulfillment for the award of "Bachelor of Engineering" in Civil Engineering of the Visvesvaraya Technological University, Belagavi during the year 2020-21. It is certified that all correction/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department library. The Project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said degree.

Signature of Guide
Mrs. Renny Varghese

Signature of HOD
Dr. Shashishankar. A

Head of Dept, of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

Signature of Principal
Dr. A.G. Nataraj

PRINCIPAL
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18TH KM, Bannerghatta Main Road, Bengaluru-560083.

DEPARTMENT OF CIVIL ENGINEERING



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ENGINEERING COLLEGE
BENGALURU

CERTIFICATE

Certified that the project work entitled "ANALYSIS and DESIGN OF RESIDENTIAL BUILDING (G+5) USING ETABS" carried out by FAISAL FAHEEM (IAM14CV016) a Bonafide student of AMC Engineering college, in partial fulfillment for the award of Bachelor of Engineering in Department of Civil Engineering of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfied the academic requirements in respect of project work prescribed for the said degree.

Mr. GANESH SSY
Asst. Prof.
Guide

Name of the Examiners

1. _____

2. _____

19/05/2021
DR. SHASHISHANKAR A

H.O. D
Head of Dept, of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

A. G. Nataraj
Dr. A. G. NATARAJ

Principal
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Signature with Date

AMC ENGINEERING COLLEGE

18TH KM, Bannerghatta Main Road, Bengaluru-560083.

DEPARTMENT OF CIVIL ENGINEERING



AMC
ENGINEERING COLLEGE
BENGALURU

CERTIFICATE

Certified that the project work entitled "ANALYSIS and DESIGN OF RESIDENTIAL BUILDING (G+3) USING ETABS" carried out by SAQIB RASHID (1AM16CV039), AADIL SALEEM BHAT (1AM17CV002), POOJASWINI KJ (1AM17CV033), ARELLA VIKRAM (1AM18CV400), a Bonafide students of AMC Engineering college, in partial fulfillment for the award of Bachelor of Engineering in Department of Civil Engineering of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfied the academic requirements in respect of project work prescribed for the said degree.

Mr. MOHIYUDDIN CS

Asst. Prof.

Guide

Name of the Examiners

1. _____

2. _____

DR. SHASHISHANKAR A

H.O. D

Head of Dept, of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road,
Bengaluru - 560 083.

A.G. Nataraj
Dr. A.G. NATARAJ

Principal

Signature with Date

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

AMC ENGINEERING COLLEGE

18TH KM, Bannerghatta Main Road, Bengaluru-560083.

DEPARTMENT OF CIVIL ENGINEERING

**CERTIFICATE**

Certified that the project work entitled "AN EXPERIMENTAL STUDY OF PALM OIL FUEL ASH AS PARTIAL REPLACEMENT OF CEMENT IN CONCRETE" carried out by, DODDABASAVA S METI (1AM17CV016), HANAMANTHARAYA RA KUMBARA (1AM17CV019), SYED RAIHAN (1AM17CV044), SUNILKUMAR JADHAV (1AM18CV408) a Bonafide students of AMC Engineering college, in partial fulfillment for the award of Bachelor of Engineering in Department of Civil Engineering of the Visvesvaraya Technological University, Belagavi during the year 2020- 2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfied the academic requirements in respect of project work prescribed for the said degree.

Mr. MOHIYUDDIN CS

Asst. Prof. Guide

Name of the Examiners

1. _____

2. _____

DR. SHASHISHANKAR A

Head of Dept, of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

Dr. A G NATARAJ

Principal

Signature with Date

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

AMC ENGINEERING COLLEGE

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by AICTE, New Delhi]

18th K.M.Bannerghatta Main Road Bengaluru, 560083

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to verify that evaluation of the project report title "AN EXPERIMENTAL STUDY ON JUTE FIBRE REINFORCED CONCRETE WITH PARTIAL REPLACEMENT OF FINE AGGREGATE BY PLASTIC WATSE" is a bonfide work carried out by ABHISHEK M S (1AM17CV004), MAHARAJA R (1AM18CV403), MANJUSHA (1AM18CV404), NIVEDITHA G (1AM18CV406) in a partial fulfillment of the award of "Bachelor of engineering in civil engineering of visvesvaraya technological university, Belagavi during the year 2019-2020. It is certified that all the correction/ suggestion indicated for the internal assessment as been incorporated in the report deposited in the department library. The project report as been approved as it satisfies the academic requirement in respect of the technical seminar work prescribed for the said degree.



Signature of Guide

Mr. Ravithej N

Head of Dept, of Civil Engg
AMC Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

Signature of HOD

Dr. Shashishankar A

Signature of Principal

Dr.A.G. Nataraj

Computer Science Engineering Project work 2020-21

SL. No.	Name of students
1.	Neha Nayan
2.	Nisha Noble
3.	P Swetha Reddy
4.	Pavithra N D
5.	A Bhavyasree
6.	Akash S (1am16cs010)
7.	Bhargavi G
8.	Divyashree N
9.	P. Sai Arvind
10.	Kiran Kumar H
11.	Mo Asif
12.	Pavan.P. Swamy
13.	Tanzeel Ahmad
14.	Umashankar Swami
15.	Vivek Raja
16.	Piyush Jamwal


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU-560 083.

TRASH BARREL GUIDE USING IOT

AMC Engineering College

(NAAC & NBA Accredited, Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Bengaluru- 560083

Department of Computer Science & Engineering



CERTIFICATE

Certified that the Project work entitled "TRASH BARREL GUIDE USING IOT" carried out by bonafide students NEHA NAYAN(1AM16CS097), NISHA NOBLE(1AM16CS099), P SWETHA REDDY(1AM16CS106), PAVITHRA N D(1AM16CS112) of AMC Engineering College in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belgaum during the year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project Work, prescribed for the said Bachelor of Engineering degree.

Project Guide
Mrs. Snigdha Kesh
Asst. Prof. ,Dept. of CSE
AMCEC

HOD
Dr. Latha C A
Prof., & Head, Dept. of CSE
AMCEC

Principal
Dr. A G Nataraj
AMCEC

External Viva

External Name

1. _____
2. _____

Signature with Date

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Dept. of CSE, AMCEC


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

AMC Engineering College

(NAAC & NBA Accredited, approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Bengaluru- 560083

Department of Computer Science & Engineering



CERTIFICATE

Certified that the Project work entitled "Vehicle Detection and Light Intensity Controller for Driver Assistance Based on Vision" carried out by bonafide students A Bhavyasree (1AM16CS001), Akash S (1AM16CS010), Bhargavi G (1AM16CS035), Divyashree N (1AM16CS050) of AMC Engineering College, in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belgaum during the year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project Phase-1 report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Bachelor of Engineering degree.

Dr. Latha C. A
Project Guide and HoD, CSE
AMCEC

Dr. A G Nataraj
Principal
AMCEC

External Viva

External Name
1. _____
2. _____

Signature with Date
1. _____
2. _____


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

AMC Engineering College

(NAAC & NBA Accredited, Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Bengaluru- 560083

Department of Computer Science & Engineering



CERTIFICATE

Certified that the Project work entitled "RECONSTRUCTION OF 3D OBJECTS USING RECURRENT NEURAL NETWORK" carried out by bonafide students P. SAI ARVIND (1AM16CS103), KIRAN KUMAR H (1AM16CS076), MO ASIF (1AM16CS089) , PAVAN.P SWAMY (1AM16CS110) of AMC Engineering College, in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belgaum during the year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project Phase-1 report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Bachelor of Engineering degree.

Dr. Latha C A
Guide, Prof & Head
Dept. of CSE
AMCEC

Dr. A G Nataraj
Principal
AMCEC

Examiners:

1. _____
2. _____

Signature with Date:

AMC Engineering College

(NAAC & NBA Accredited, approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Bengaluru- 560083

Department of Computer Science & Engineering



CERTIFICATE

Certified that the Project work entitled "Rider's Safety Mechanism for Rental Vehicles" carried out by bonafide students UMASHANKAR SWAMI(1AM16CS189), TANZEEL AHMAD(1AM16CS184), VIVEK RAJA(1AM16CS201), PIYUSH JAMWAL(1AM16CS205) of AMC Engineering College, in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belgaum during the year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project Phase-II report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Bachelor of Engineering degree.

Project Guide
Mrs. Snigdha Kesh
Asst. Prof., Dept. of CSE
AMCEC

HOD
Dr. Latha C A
Prof., & Head, Dept. of CSE
AMCEC

Principal
Dr. A G Nataraj
AMCEC

External Viva.

External Name

1. _____
2. _____

Signature with Date

1. _____
2. _____


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU-560 083.

Electronics and Communication Engineering Project work 2020-21

Batch.No	Name	USN	Sec	Supervisor	Title of the Project
GROUP - A : Embedded. Coordinator: Dr T.Kavitha					
1	Samarth Mahesh Gaikwad	1AM17EC106	B	Mr. Bhattacharya	IoT based Smart security system using lasers and arduino interfacing
	Pratheek Krishna GM	1AM17EC083	B		
	Sowjanya Reddy Ns	1AM17EC122	B		
	Nithin K Nelson	1AM17EC071	A		
2	Balaji M S	1AM17EC017	A	Ms. Swetha Rani L	Breath Sensor system for paralysed system
	Mruthula Mohan	1AM17EC058	A		
	Naga Swathi G	1AM17EC063	A		
	Narendra Swamy T	1AM17EC066	A		
3	Shivesh Varma P	1AM17EC111	B	Dr J.Jenitta	Prevention of COVID-19 at College Campus
	Shrusti B K	1AM17EC116	B		
	Vidya D Y	1AM17EC135	B		
	Vinay S Sinnur	1AM17EC137	B		
4	Shravya S	1AM17EC113	B	Dr. Savitha Patil	Automatic Detection and Filling of Potholes
	Varshitha R N	1AM17EC132	B		
	Rahul Kumar Sharma	1AM17EC089	B		
	Sonika K M	1AM17EC121	B		
5	Nishanth L M	1AM17EC069	A	Dr Malini	Smart Manhole Toxic Gas Alerting system and detoxification
	Pawan G	1AM17EC079	A		
	Nethran B	1AM17EC068	A		
	Nithin S M	1AM17EC072	A		
6	Gajji Divya	1AM17EC032	A	Dr. Savitha Patil	Smart Asset Tracking and Management using Narrow band-IoT
	Sneha Karabari	1AM17EC120	B		
	Geetha K	1AM17EC034	A		
7	M Shilpa	1AM18EC401	B	Ms.Kavya	Vehicle Fuel activities Monitoring system with digital speedometer using IOT
	Shwetha Ghana Varna NM	1AM18EC404	B		
	Kavya CH	1AM18EC400	B		
	Mamatha BM	1AM18EC402	B		
8	Pallavi D S	1AM17EC075	A		
	Renee Seles P	1AM17EC092	B		


PRINCIPAL
AMC ENGINEERING COLLEGE -
BENGALURU - 560 083.

	Shravani S	1AM17EC112	B	Mr. Sabitabrata Bhattacharya	
	Sneha K	1AM17EC119	B		
9	Pooja Shree S	1AM17EC080	A	Ms.Yashaswini	Electromagnetic braking system
	Sahana P	1AM17EC104	B		
	U K Akhil	1AM17EC129	B		
	Sabiha Sultana	1AM17EC101	B		
GROUP - B: Artificial Intelligence. Coordinator: Dr T.Kavitha					
10	Jayasurya B	1AM17EC041	A	Dr T.Kavitha	Gesture controlled AI robot
	Mrutunjay A.H	1AM17EC059	A		
	Kharat Pooja C	1AM17EC045	A		
	Jino Justin	1AM17EC042	A		
11	Thippigowduvari Hemanath	1AM17EC128	B	Mr. Guru Prasad U	AI based Robo for beach cleaning and Waste Management
	Tejas Kumar J	1AM17EC127	B		
	Sahana C N	1AM17EC102	B		
	Sandhya M	1AM17EC108	B		
12	Alikapati Keerthi Priya	1AM17EC007	A	Dr T.Kavitha	AI BASED HAND DRAWN ENGINEERING SYMBOLS CLASSIFICATION AND RECOGNITION
	Gaganashree.N	1AM17EC031	A		
	Hemalatha.K.N	1AM16EC039	A		
	Janaki Sutha Chembeti	1AM16EC043	A		
13	Manish N Reddy	1AM17EC052	A	Ms.Mrunalini	All terrain AI based border patrolling rover
	Karthik S	1AM17EC044	A		
	Manoj D	1AM17EC053	A		
	Gokul Km	1AM17EC035	A		
14	Raghavendra H	1AM17EC088	B	Mr Vinay Kumar	An Automated System For Detecting Anomalous Behaviour In Examination
	Prashanth Kumar	1AM17EC082	B		
	Rajashekar H S	1AM17EC090	B		
	Ramesh B M	1AM17EC091	B		
15	Karthik N	1AM17EC043	A	Mr Vinay Kumar	Nanotechnology based Spy snake robot and Insect Robot
	B R Harsha Vardan	1AM17EC038	A		
	Likhin Bc	1AM17EC049	A		
	Divya Bharathi M	1AM17EC029	A		
GROUP - C: Network & Communication. Coordinator: Dr T.Kavitha					
16	Anusha M Shetty	1AM17EC012	A	Dr. Manoj P. B.	

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	Mamatha M	1AM17EC051	A		DATA DISSEMINATION IN VANETs USING TDDV ALGORITHM
	Anusha R	1AM17EC013	A		
	Bindu Shree B R	1AM17EC019	A		
17	Almas Z	1AM17EC008	A	Dr. Manoj P. B.	Anonymity Preserving Covid-19 and other Infectious Disease Contact tracking model
	Ganesh H C	1AM17EC033	A		
	Harsha Kumar	1AM17EC037	A		
	Shivukumar	1AM17EC409	B		
18	Rohan S Guttedar	1AM17EC095	B	Ms.Mrunalini	Forest Fire Detection Using Optimized Solar Powered Wireless Sensor Networks.
	Sumit Naik	1AM17EC124	B		
	Shreyas N R	1AM17EC114	B		
	Sampath Kumar R	1AM17EC107	B		
19	Sandhya.H	1AM16EC112	A	Ms.Prathibha A. M	Automated sericulture system using IoT and LiFi technique
	Vandana Pathak	1AM16EC140	B		
	Manasa.R	1AM16EC061	A		
	Moulya K	1AM14EC070	A		
GROUP - D: Image Processing. Coordinator: Ms Senbagavalli					
20	Shriyansha Nikumbh	1AM17EC115	B	Ms. Senbagavalli G	Efficient rectification of distorted fingerprint
	Sujit Singh	1AM17EC123	B		
	Anshu Kumari	1AM17EC010	A		
	Yaseen Ahmed	1AM17EC140	B		
21	Nithishmanju	1AM17EC073	A	Ms. Senbagavalli G	VENTILATOR MACHINE FOR COVID-19 PATIENTS USING IOT AND EMBEDDED SYSTEM
	Pavitra R	1AM17EC078	A		
	Pramodini Y G	1AM17EC081	B		
22	L V Vennela	1AM17EC047	A	Ms.Yashaswini	Driver's Drowsiness Detection
	Krupa Shree G	1AM17EC046	A		
	Lavanya S	1AM17EC048	A		
23	Swathi S	1AM17EC125	B	Mr. N. L. Manjunath	Emotion Recognition of Infant Using MATLAB
	Sahithya V Reddy	1AM17EC105	B		
	P Kushal Nanjappa	1AM17EC074	A		
24	Nishmitha Cv	1AM17EC070	A	Dr. Aruna	Automatic grader for MCQ and handwritten answer sheets using Image processing
	Sanjana B	1AM17EC109	B		
	Shaik Nasreen	1AM17EC110	B		
	Uzma	1AM17EC130	B		
25	Venu Gopal B	1AM17EC133	B	Ms. Meena Deshpande	Detection of small objects using deep learning framework.
	Vidhya A	1AM17EC134	B		

Geetha
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	Vivek Kumar Dubey	1AM17EC138	B		
	Yamuna B V	1AM17EC139	B		
26	Charan S	1AM17EC023	A	Ms. Shalini M G	"Live Satellite view flood monitoring system"
	Deepa M	1AM17EC026	A		
	Harshitha Gogineni	1AM17EC039	A		
GROUP - E: Biomedical Signal Processing. Coordinator: Ms Senbagavalli					
27	Ritesh Pandey	1AM16EC104	A	Dr. Aruna	KIDNEY STONE DETECTION FROM ULTRASOUND IMAGE AND X-ray by ANN CLASSIFICATION
	Pranav Chaithanya K S	1AM16EC090	A		
	Nabeela Fathima	1AM16EC078	B		
	Meghana.N	1AM15EC071	B		
28	Arpitha R Rao	1AM15EC017	A	Ms. Prathibha A. M	Non-invasive method of development of neuro- prosthetic gadget based on EEG
	Achyuth S	1AM15EC002	A		
	Shifa Simran	1AM15EC115	B		
	Jeevith B	1AM16EC406	B		
29	Vandana G	1AM17EC131	B	Mr. Guru Prasad U	Detection of Arrhythmia using ECG in MATLAB
	Priyanka Biswal J	1AM17EC086	B		
	Praveen Kumar S	1AM17EC085	B		
	Ritwik Mohan	1AM17EC094	B		
30	S.Aakhash	1AM17EC096	B	Ms. Meena Deshpande	Asthma detection and monitoring using CNN
	Vijay Krishna.U	1AM17EC136	B		
	Sudhakar.V	1AM15EC125	B		
	Amal Raj.K	1AM16EC005	B		
31	Teerthesh S Kumbar	1AM17EC410	B	Ms. Shalini M G	FPGA IMPLEMENTATION OF MEDICAL IMAGE FUSING USING SPARTAN 3 FPGA IMAGE PROCESSING KIT
	K Mukunda	1AM15EC050	B		
	Vitthal Poojari	1AM16EC153	B		
	Kishore Reddy C	1AM17EC406	B		
GROUP - F: Power Electronics. Coordinator: Ms Senbagavalli					
32	Ashnal Ahmed	1AM17EC014	A	Mr. N. L. Manjunath	Smart Way Of Designing BLDC Motor
	Chandana B K	1AM17EC021	A		
	Deepak Kumar B	1AM17EC027	A		
	Faizan Ahmed M	1AM17EC030	A		
33	Sindhu v	1AM17EC118	B	Ms.Kavya	Power theft detection framework with power management reckoning system
	Shruti D	1AM17EC117	B		
	Parthasarathy k	1AM17EC077	A		
	S. Adithyan	1AM17EC097	B		


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GROUP - G: Security. Coordinator: Ms Senbagavalli					
34	Arun M	1AM17EC401	B	Dr J.Jenitta	SECURED AND AUTOMATED HEALTHCARE SYSTEM USING IMAGE PROCESSING AND CRYPTOGRAPHY TECHNIQUES
	Balakrishna J	1AM17EC402	B		
	Vijay G	1AM17EC411	B		
	Sangeetha D	1AM16EC113	B		
35	Safina Samdani	1AM16EC109	B	Dr.Malini	Digital certificates using blockchain
	Kanzul Mohammed Baig	1AM16EC050	A		
	Mohammed Junaid	1AM15EC072	B		
	Parmeshwar	1AM16EC410	B		
36	Srinivasa T V	1AM16EC127	B	Dr Malini	Implementation of Elliptic Curve Cryptography over a Server-Client network
	Nikhil K P	1AM16EC085	A		
	Dileep D	1AM16EC030	A		
	Arun Rudrappa Biradar	1AM16EC013	A		
37	Aishwarya R	1AM17EC006	A	Ms. Swetha Rani L	Milk Monitoring System
	Cheerala Rachana	1AM17EC024	A		
	Hema V	1AM16EC038	A		
38	Chandra Babu D	1AM17EC022	A	Dr N V Uma Reddy	Design and Implementation of high speed AES and Visual Cryptography with Modified Mix Column on FPGA
	Abibulla M	1AM17EC004	A		
	Isam Mansoor Khader	1AM17EC040	A		
	Mohammed Shoab Hafiz	1AM17EC057	A		

Guide

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled **“IOT BASED SMART SECURITY SYSTEM USING LASER AND ARDUINO INTERFACING”** is a bonafide work carried out by **NITHIN K NELSON(1AM17EC071), PRATHEEK KRISHNA GM(1AM17EC083), SAMARTH M GAIKWAD(1AM17EC106), and SOWJANYA REDDY NS (1AM17EC122)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Prof. S. Bhattacharya

Signature of the HOD

Dr. N.V. UMA REDDY

Signature of the Principal

Dr. A.G. NATARAJ

External Viva

Name of Examiner:

1. Dr T.Kavitha
2. Dr. J. Jenitta

Signature with date:

9/8/2021
9/8/2021

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Name of Examiner:

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Signature with date:

9/8/2021
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CERTIFICATE

This is to certified that the project work entitled “**Prevention of COVID-19 at College Campus**” is a bonafide work carried out by **SHIVESH VARMA P (1AM17EC111)**, **SHRUSTI B K (1AM17EC116)**, **VIDYA D Y (1AM17EC135)**, and **VINAY S SINNUR (1AM17EC137)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Dr. Jenitta J

Signature of the HOD

Dr. N.V.UMAREDDY

Signature of the Principal

Dr.A.G.NATARAJ

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Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

9/8/2021

9.8.2021

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**AUTOMATIC DETECTION AND FILLING OF POTHOLES**” is a bonafide work carried out by **RAHUL KUMAR SHARMA (1AM17EC089)**, **SHRAVYA S (1AM17EC113)**, **SONIKA K M (1AM17EC121)**, and **VARSHITHA R N (1AM17EC132)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2020 - 2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Dr.SAVITHA PATIL

Signature of the HOD

Dr. N.V. UMAREDDY

Signature of the Principal

Dr.A.G. NATARAJ

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Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

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9.8.2021

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**Smart Manhole Toxic Gas Alerting System and Detoxification**” is a bonafide work carried out by **NETHRAN B(1AM17EC068)**, **NISHANTH L M(1AM17EC069)**, **NITHIN S M (1AM17EC072)**, and **PAWAN G (1AM17EC079)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2019 - 20. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide
Dr.MALINI. S

Signature of the HOD
Dr. N.V.UMAREDDY

Signature of the Principal
Dr.A.G.NATARAJ

External Viva

Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

9.8.2021

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**SMART ASSET TRACKING AND MANAGEMENT USING NARROWBAND-IOT** ” is a bonafide work carried out by **GAJJI DIVYA (1AM17EC032)**, **SNEHA KARABARI (1AM17EC120)** and **GEETHA K (1AM17EC034)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2019 - 20. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.



Signature of the Guide
Dr. SAVITA PATIL

N.V. Umareddy

Signature of the HOD
Dr. N.V.UMAREDDY

A.G. Nataraj


Signature of the Principal
Dr.A.G.NATARAJ


External Viva

Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

 9/8/2021

 9.8.2021

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "**Vehicle fuel activities Monitoring System with Digital Speedometer Using IOT**" is a bonafide work carried out by **Kavya C H (1AM18EC400), M Shilpa (1AM18EC401), Mamatha B M (1AM18EC402), and Shwetha Ghana Varna N M (1AM18EC404)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020– 2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide
Prof. SANGEETHA B L
External Viva

Signature of the HOD
Dr. N.V. UMAREDDY

Signature of the Principal
Dr. A.G. NATARAJ

Name of the Examiners: Signature with Date:

1. Dr T.Kavitha

9/8/2021

2. Dr. J. Jenitta

9.8.2021

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CERTIFICATE

This is to certify that the Internship report entitled “E-Fish [Electromated Fish]” is a bonafide work carried out by **Pallavi .D .S (1AM17EC075)**, **Renee Seles .P (1AM17EC092)**, **Shravani .S (1AM17EC112)**, and **Sneha .K (1AM17EC119)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2020 – 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said Degree.

Signature of the Guide

**Prof. SABITABRATA
BHATTACHARYA**

Signature of the HOD

**Dr.
N.V.UMAREDDY**

Signature of the Principal

Dr. A.G.NATARAJ

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Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

9/8/2021

9.8.2021

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CERTIFICATE

This is to certify that the project work entitled “**Electromagnetic Braking System**” is a Bonafede work carried out by **POOJASHREE S (1AM17EC080)**, **SABIHA SULTANA (1AM17EC101)**, **SAHANA P (1AM17EC104)**, and **U.K. AKHIL (1AM17EC129)** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Mrs. YASHASWINI GOWDA N

Signature of the HOD

Dr. N.V. UMA REDDY

Signature of the Principal

Dr. A. G. NATARAJ

External Viva

Name of the Examiners:

Signature with Date:

1. Dr T.Kavitha

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9.8.2021

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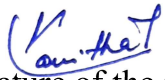
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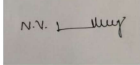


CERTIFICATE

This is to certified that the project work entitled “**Gesture Controlled AI-Robot**” is a bonafide work carried out by **JAYASURYA B (1AM17EC041)**, **JINO JUSTIN (1AM17EC042)**, **KHARAT POOJA C (1AM17EC045)**, and **MRUTYUNJAY A HASARADDI (1AM17EC059)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide

Dr.T.KAVITHA


Signature of the HOD

Dr.N.V.UMAREDDY


Signature of the Principal


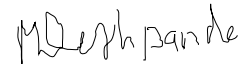
Dr.A.G.NATARAJ

External Viva

Name of the Examiners:

1. G.SENBAGAVALLI
2. MEENA DESHPANDE

Signature with Date:



9/8/21

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DEPARTMENT OF ELECTRONICS & COMMUNICATION

ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**AI BASED ROBO FOR BEACH CLEANING AND WASTE MANAGEMENT**” is a bonafide work carried out by **Thippigowduvari Hemanath(1AM17EC128)**, **Tejas kumar J(1AM17EC127)** and **Sahana C N(1AM17EC102)**, **Sandhya M(1AM17EC108)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2019-20. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Mr. GURUPRASAD U

Signature of the HOD

Dr. N.V.UMAREDDY

Signature of the Principal

Dr. A.G.NATARAJ

Name of the Examiners:

1. G.SENBAGAVALLI
2. MEENA DESHPANDE

Signature with Date

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**AI BASED HAND DRAWN ENGINEERING SYMBOLS CLASSIFICATION AND RECOGNITION**” is a bonafide work carried out by **ALIKAPATI KEERTHI PRIYA (1AM17EC007)** , **GAGANASHREE N (1AM17EC031)** ,**HEMALATHA K.N (1AM16EC039)**, and **JANAKI SUTHA CHEMBETI (1AM17EC043)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2019 - 20. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Prof. Dr. T. KAVITHA

Signature of the HOD

Dr. N.V. UMAREDDY

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Name of the Examiners:

1. G.SENBAGAVALLI
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Signature with Date:

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the Project work entitled “**ALL TERRAIN AI BASED BORDER PATROLLING ROVER**” is a bonafide work carried out by Manish N Reddy(1AM17EC052), Manoj D (1AM17EC053), Karthik S(1AM17EC044) and Gokul KM(1M17EC035) of AMC Engineering College, in partial fulfillment for the award of **Bachelor of Engineering in Electronics & communication** of **Visvesvaraya Technological University**, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Bachelor of Engineering degree

Signature of the guide

Ms.MANASA S

Signature of the HOD

Dr.N.V.UMAREDDY

Signature of the Principal

Dr.A.G.NATARAJ

External Viva

Name of the Examiners:

1. G.SENBAGAVALLI
2. MEENA DESHPANDE

Signature with Date

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled **“AN AUTOMATED SYSTEM FOR DETECTING ANOMALOUS BEHAVIOR IN EXAMINATION”** is a bonafide work carried out by RAGHAVENDRA H(1AM17EC088), PRASHANTH KUMAR(1AM17EC082), RAJASHEKAR H S(1AM17EC090) and RAMESH B M(1AM17EC091) in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the degree.

Signature of the Guide
VINAY KUMAR T N

Signature of the HOD
Dr. N.V.UMAREDDY

Signature of the Principal
Dr.A.G.NATARAJ

External Viva

Name of the Examiners:

1. G.SENBAGAVALLI
2. MEENA DESHPANDE

Signature with Date:

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “**SPY SNAKE ROBOT AND INSECT ROBOT**” is a bonafide work carried out by **DIVYA BHARATHI M (1AM17EC029)**, **B R HARSHA VARDAN (1AM17EC038)**, **KARTHIK N (1AM17EC043)**, **LIKHIN B C (1AM17EC049)** in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication of the Visvesvaraya Technological University, Belagavi during the year 2020-21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project report prescribed for the said Degree.

MR. VINAY KUMAR

Assistant professor and Internal guide

Name of the Examiners

1 G.SENBAGAVALLI

2 MEENA DESHPANDE

DR.N.V.UMAREDDY

HOD

External viva-voice

DR.A.G.NATARAJAN

PRINCIPAL

Signature with date

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi
#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “**DATA DISSEMINATION IN VANETS USING TDDV ALGORITHM**” is a bonafide work carried out by **ANUSHA.M.SHETTY (1AM17EC012), ANUSHA.R (1AM17EC013), BINDUSHREEE.B.R (1AM17EC012) and MAMATHA.M (1AM17EC051)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Associate Prof.
Dr.MANOJ.P.B

Signature of the HOD

Dr. N.V.UMAREDDY

External Viva

Signature of the Principal

Dr.A.G.NATARAJ

Name of the Examiners:

1. G.SENBAGAVALLI
2. MEENA DESHPANDE

Signature with Date:

9/8/21

AMC ENGINEERING COLLEGE

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#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the Project work entitled “Anonymity Preserving Covid – 19 And Other Infectious Diseases Contact Tracing Model” is a bonafide work carried out by Almas Z (1AM17EC008), Ganesh H C(1AM17EC033), Harsha Kumar (1AM17EC037), and Shiva Kumar (1AM17EC409) in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Dr. Manoj P B

Signature of the HOD

Dr. N.V. UMAREDDY

Signature of the Principal

Dr. A.G. NATARAJ

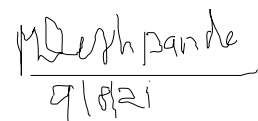
External Viva

Name of the Examiners:

1. G.SENBAGAVALLI
2. MEENA DESHPANDE

**Signature with
Date:**


9/8/2021


9/8/21

AMC ENGINEERING COLLEGE

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “Forest Fire Detection Using Optimized Solar Powered Wireless Sensor Networks” is a bonafide work carried out by **ROHAN S GUTTEDAR (1AM17EC095)**, **SAMPATH KUMAR R (1AM17EC107)**, **SHREYAS NR (1AM17EC114)**, and **SUMIT NAIK (1AM17EC124)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

ASSISTANT PROFESSOR

Ms. MANASA S

HOD

Dr. N.V.UMAREDDY

PRINCIPAL

Dr.A.G.NATARAJ

Name of the Examiners:

1. G.SENBAGAVALLI
2. MEENA DESHPANDE

Signature with Date:

AMC ENGINEERING COLLEGE

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#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the Seminar report entitled **“AUTOMATED SERICULTURE SYSTEM USING IOT AND LIFI TECHNIQE”** is a bonafide work carried out by **SANDHYA H(1AM16EC112), VANDANA PATHAK(1AM16EC140), MANASA R(1AM16EC061), MOULYA K (1AM14EC070)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2020-21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The seminar report has been approved as it satisfies the academic requirements in respect of Technical seminar prescribed for the said Degree.

Signature of the Guide

**Mrs. PRATHIBHA
KIRAN**

External Viva

Name of the Examiners:

1. Dr.T.Kavitha

2. Dr. J.Jenitta

N.V. Uma

Signature of the HOD

**Dr. N.V.UMA
REDDY**

A.G. Nataraj

Signature of the Principal

Dr. A.G.NATARAJ

Signature with Date:

11/8/2021

11.8.2021

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**Efficient Rectification Of Distorted Fingerprint**” is a bonafide work carried out by **Shriyansha Nikumbh (1AM17EC115)**, **Sujit Singh (1AM17EC123)**, **Yaseen Ahmed(1AM17EC140)** and **Anshu Kumari(1AM17EC010)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

MS.SENBAGAVALLI G

Signature of the HOD

Dr. N.V.UMAREDDY

Signature of the Principal

Dr.A.G.NATARAJ

External Viva

Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

10.8.2021

10.8.2021

AMC ENGINEERING COLLEGE

Approved by AICTE, Permanently Affiliated to VTU, Belagavi,

Accredited to NAAC and NBA

18th KM, Bannerghatta Main Road, Bengaluru – 560083

DEPARTMENT OF ELECTRONICS & COMMUNICATION



ENGINEERING CERTIFICATE

This is to Certified that the Project work entitled “**VENTILATOR MACHINE FOR COVID-19 PATIENTS USING IOT AND EMBEDDED SYSTEM**” carried out by bonafide students **Mr NITHISHMANJU(1AM17EC073), Ms PAVITHRA R(1AM17EC078) and Ms PRAMODINI(1AM17EC081)**, in partial fulfillment for the award of **Bachelor of Engineering in Electronics & communication Engineering of Visvesvaraya Technological University, Belgaum** during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Bachelor of Engineering degree.

Signature of the Guide

Prof.SNEBAGAVALLI

Signature of the HOD

DR. N. V. UMAREDDY

Signature of the principle

DR. A.G.NATRAJ

EXTERNAL VIVA

Name of the examiner

Signature with date

1. Dr T.Kavitha

10/8/2021

2. Dr. J.Jenitta

10.8.2021

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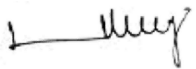
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**DRIVER’S DROWSINESS DETECTION**” is a bonafide work carried out by **KRUPASHREE G(1AM17EC046),L V VENNELA(1AM17EC047),and LAVANYA S (1AM17EC048)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2019 - 20. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Yashaswini
Signature of the Guide
Prof.
YASHASWINI
N GOWDA

N.V. 
Signature of the HOD

Dr N V UMAREDDY
External Viva

A.G. Nataraj
Signature of the Principal

Dr A G NATARAJ

Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

 10/8/2021

 10.8.2021

AMC ENGINEERING COLLEGE

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#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “Emotion Recognition of Infant Using MATLAB” is a bonafide work carried out by P. Kushal Nanjappa(1AM17EC074), Sahithya V. Reddy (1AM17EC105) and Swathi S. (1AM17EC125) in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication of the Visvesvaraya Technological University, Belagavi during the year 2019 - 20. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Manjunath (red)

N.V. UMAREDDY

A.G. NATARAJ

Prof. N.L. Manjunath

Dr. A.G. NATARAJ

External Viva


Name of the Examiners:

Signature with Date:

1. Dr T.Kavitha

 10/8/2021

2. Dr. J.Jenitta

 10.8.2021

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the Project work entitled “**AUTOMATED GRADER FOR MCQ AND HANDWRITTEN ANSWER SHEETS USING IMAGE PROCESSING**” is a bonafide work carried out by **Nishmitha C V (1AM17EC070), Sanjana B (1AM17EC109), Shaik Nasreen (1AM17EC110), and Uzma (1AM17EC130)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Dr. R Aruna

External Viva

Signature of the HOD

Dr. N.V. UMAREDDY

Signature of the Principal

Dr. A.G. NATARAJ

Name of the Examiners:

1. Dr T.Kavitha

2.

**Signature with
Date:**

10.8.2021

AMC ENGINEERING COLLEGE

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#18th Km, Bannerghatta Road, Kalkere, Bengaluru – 83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**DETECTION OF SMALL OBJECTS USING DEEP LEARNING FRAMEWORK**” is a bonafide work carried out by **venu gopal b (1AM17EC133), VIDHYA A (1AM17EC134), VIVEK KUMAR DUBEY (1AM17EC138), and YAMUNA B V (1AM17EC139)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Prof. MEENA DESHPANDE

Signature of the HOD

Dr. N.V.UMAREDDY

External Viva

Signature of the Principal

Dr.A.G.NATARAJ

Name of the Examiners:

Signature with Date:

1. Dr T.Kavitha

10.8.2021

2. Dr. J.Jenitta

10.8.2021

AMC ENGINEERING COLLEGE

(NAAC & NBA Accredited, Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Bengaluru– 560083

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certified that the Project work entitled “**Live Satellite view flood monitoring system**” is a bonafide work carried out by students **Charan S(1AM17EC023), Deepa M(1AM17EC026) and Harshitha Gogineni(1AM17EC039)**, in partial fulfillment for the award of **Bachelor of Engineering in Electronics & communication Engineering of Visvesvaraya Technological University, Belgaum** during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Bachelor of Engineering degree.

Signature of the Guide

Prof. AMBILY BABU

Signature of the HOD

DR. N. V. UMAREDDY

Signature of the Principal

A.G.NATRAJ

EXTERNAL VIVA

Name of the examiner

Signature with date

1. G. Senbagavalli

2. Meena Deshpande

10/8/21

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#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "KIDNEY STONE DETECTION FROM ULTRASOUND IMAGE AND X-ray by ANN CLASSIFICATION" is a Bonafide work carried out by **Pranav Chaithanya K S (1AM16EC090)**, **Ritesh Pandey (1AM16EC104)**, **Nabeela Fathima (1AM16EC078)**, **Meghana. N(1AM15EC071)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020- 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements in respect of prescribed for the said Degree.

Signature of the Guide

DR ARUNA.R

Signature of the HOD

Dr. N.V.UMAREDDY

External Viva

Signature of the Principal

Dr.A.G.NATARAJ

Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

11/8/2021

11.8.2021

AMC ENGINEERING COLLEGE

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#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled **“NON-INVASIVE METHOD OF DEVELOPMENT OF NEUROPROSTHETIC GADGET BASED ON EEG SIGNAL”** is a bonafide work carried out by **ACHYUTH S (1AM15EC002)**, **ARPITHA R RAO (1AM15EC017)**, **SHIFA SIMRAN (1AM15EC115)** and **JEEVITH B (1AM16EC406)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Prof. PRATHIBHA KIRAN

Signature of the HOD

Dr. N.V.UMA REDDY

Signature of the Principal

Dr. A.G.NATARAJ

External Viva

Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

11/8/2021
11.8.2021

AMC ENGINEERING COLLEGE

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#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is certified that the project work titled “**Detection of Arrhythmia using ECG in MATLAB**” is a bonafide work carried out by **PRAVEEN KUMAR S (1AM17EC085)**, **PRIYANKA BISWAL J (1AM17EC086)**, **RITWIK MOHAN (1AM17EC094)**, and **VANDANA G (1AM17EC131)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Prof.GURUPRASAD U

Signature of the HOD

Dr. N.V.UMAREDDY

Signature of the Principal

Dr.A.G.NATARAJ

External Viva

Name of the Examiners:

1. G. Senbagavalli
2. Meena Deshpande

Signature with Date:

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi

#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**DETECTION OF ASTHMA AND LUNG DIESEASES USING DEEP LEARNING**” is a bonafide work carried out by **S. AAKHASH (1AM17EC096)**, **AMAL RAJ. K (1AM16EC005)**, and **VIJAY KRISHNA. U (1AM17EC136)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

**Prof. Ms. MEENA
DESHPANDE**

**Dr. N.V. UMAREDDY
(External Viva)**

Dr. A.G. NATARAJ

Name of the Examiners:

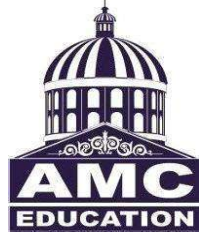
1. G. Senbagavalli
2. Meena Deshpande

Signature with Date:

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi
#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**MEDICAL IMAGE FUSION USING DISCRETE WAVELET TRANSFORM**” is a bonafide work carried out by **MUKUNDA K (1AM15EC050) KISHOREREDDY C (1AM17EC406), VITTAL POOJARI (1AM16EC153) TEERTHESH S KUMBAR(1AM17EC410)** in partial fulfillment for the award of **Bachelor of Engineering** in **Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2020 - 21. It is certified that all corrections/suggestion s indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Ms AMBILY BABU
Assistant Professor

Signature of the HOD

Dr. N.V.UMAREDDY
External Viva

Signature of the Principal

Dr.A.G.NATARAJ

Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.

Signature with Date:

11/8/2021

11.8.2021

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi

#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “**SMART WAY OF DESIGNING BLDC MOTOR CONTROLLER**” is a bonafide work carried out by **ASHNAL AHMED (1AM17EC014)**, **CHANDANA B K (1AM17ECO21)**, **DEEPAK KUMAR B (1AM17EC027)**, and **FAIZAN AHMED M (1AM17EC030)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Manjunath N. (red)

Mr. N L MANJUNATH

**Assistant Professor and
Guide**

N.V. Umareddy

Dr. N.V.UMAREDDY

HOD

A.G. Nataraj

Dr. A.G.NATARAJ

PRINCIPAL

External Viva-voce

Name of the Examiners:

1. G. Senbagavalli
2. Meena Deshpande

Signature with Date

G. Senbagavalli
10/8/2021

Meena Deshpande
10/8/21

AMC ENGINEERING COLLEGE

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#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**Power theft detection framework with power management reckoning system**” is a bonafide work carried out by **PARTHASARATHY K (1AM17EC077)**, **S ADITHYAN (1AM17EC097)**, **SHRUTI D (1AM17EC117)** and **SINDHU V (1AM17EC118)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University**, Belagavi during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide
S N VIKRAM SIMHA
ASSISTANT PROFESSOR

Signature of the HOD
Dr. N.V.UMAREDDY

Signature of the Principal
Dr.A.G.NATARAJ

External Viva

Name of the Examiners:

1. G. Senbagavalli

2.

Signature with Date:

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi
#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “SECURED AND AUTOMATED HEALTHCARE SYSYEM USING IMAGE PROCESSING AND CRYPTOGRAPHY TECHINIQUES” is a bonafide work carried out by **ARUN M (1AM17EC401), BALAKRISHNA J (1AM17EC402), VIJAY G (1AM17EC411), and SANGEETHA D(1AM16EC113)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide
Dr. J. Jenitta

Signature of the HOD

Signature of the Principal
Dr.A.G.NATARAJ

External Viva

Name of the Examiners:

1. Dr T.Kavitha
- 2 Dr. J.Jenitta

Signature with Date:

11.8.2021

11.8.2021

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi

#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled “**SECURED DIGITAL CERTIFICATES USING BLOCKCHAIN**” is a bonafide work carried out by SAFINA SAMDANI (1AM16EC209), KANZUL MOHAMMED BAIG (1AM16EC050), MOHAMMED JUNAID (1AM16EC072), PARAMESHWAR (1AM16EC410) in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Dr. MALINI

Signature of the HOD

Dr. N.V.UMAREDDY

External Viva

Signature of the Principal

Dr.A.G.NATARAJ

Name of the Examiners:

1. Dr T.Kavitha
2. Dr. J.Jenitta

Signature with Date:

11.8.2021

11.8.2021

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi

#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled **“IMPLEMENTATION OF ELLIPTIC CURVE CRYPTOGRAPHY OVER SERVER CLIENT NETWORK”** is a bonafide work carried out by **ARUN RUDRAPPA BIRADAR (IAM16EC013), DILEEP D (IAM16EC030), NIKHIL K P (IAM16EC085), and SRINIVASA T V(IAM16EC127)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2019 - 20. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Mrs. SANGEETHA B L

Signature of the HOD

Dr. N.V. UMAREDDY

External Viva

Signature of the Principal

Dr.A.G.NATARAJ

Name of the Examiners:

1. Dr T.Kavitha

2. Dr. J.Jenitta

Signature with Date:

11.8.2021

11.8.2021

AMC COLLEGE OF ENGINEERING

Approved by AICTE, permanently Affiliated to VTU, Belagavi, Accredited to
NAAC and NBA

18TH KM, Bannerghatta Main Road, Bengaluru-560083

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certified that the Project work entitled “**SAFETY AND SECURITY OF THE INDUSTRY WORKING EMPLOYEES**” carried out by bonafide students **AISHWARYA R(1AM17EC006)**, **CHEERALA RACHANA(1AM17EC024)** and **HEMA V (1AM16EC038)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics & communication Engineering of Visvesvaraya Technological University, Belgaum** during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Bachelor of Engineering degree.

Signature of the Guide

Prof. Swetha Rani L

Signature of the HOD

DR. N. V. UMAREDDY

Signature of the principle

DR.A.G. NATRAJ

EXTERNAL VIVA

Name of the examiner
date

1. G. Senbagavalli
2. Meena Deshpande

Signature with

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi

#18th Km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “**Design and Implementation of High-Speed AES and Visual Cryptography with Modified Mix Column on FPGA**” is a bonafide work carried out by **ABIBULLA.M (1AM17EC004), CHANDRA BABU.D (1AM17ECO22), ISAM MANSOOR KHADER (1AM17EC040), and MOHAMMED SHOAIB HAFIZ (1AM17EC057)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication** of the **Visvesvaraya Technological University, Belagavi** during the year 2020 - 21. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

N.V. Umareddy

Dr. N.V. UMAREDDY

HOD and Guide

A.G. Nataraj

Dr. A.G.NATARAJ

PRINCIPAL

External Viva-voce

Name of the Examiners:

1. G. Senbagavalli

2. Meena Deshpande

Signature with Date

G. Senbagavalli

Meena Deshpande

10/8/21

Electrical and Electronics Engineering Project work 2020-21

SL. No.	Program Code	Name of students
1.	EEE	Vinayak N Katagerimath
2.	EEE	Vishnu Vardhan Reddy S
3.	EEE	Vivek L
4.	EEE	"Design And Development Of Automated Equipment's For Exam Section"
5.	EEE	Brundha S
6.	EEE	Chaitanya B
7.	EEE	Lavanya S
8.	EEE	Olive
9.	EEE	"Smart Hybrid Vehicle Mobility Solution Using Artificial Intelligence"
10.	EEE	Suraj T P
11.	EEE	Nandakumar D
12.	EEE	Manish Kumar Jha
13.	EEE	Bharath R
14.	EEE	"Eco-Friendly Aathmanirbhar Energy Storage System For All Purposes"
15.	EEE	Shashidhar S
16.	EEE	Shankar S Baddur
17.	EEE	Saif Khan
18.	EEE	Shreyas B V
19.	EEE	"Autonomous Drive By Using Machine Learning"
20.	EEE	Ratan Palkar
21.	EEE	Manjunath A M
22.	EEE	Akshay S
23.	EEE	Nikhil G A
24.	EEE	"Sauravidyuth E-Car"
25.	EEE	Tejaswini Paul K
26.	EEE	Sulochana R
27.	EEE	Sushmitha C V
28.	EEE	Sangeetha B
29.	EEE	"Design And Development Of Hybrid Solution For Pedal Assist Cycle"
30.	EEE	Raj Shekhar Hiremath
31.	EEE	Hema A S
32.	EEE	Shivanand Misal
33.	EEE	Darshini M S


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BENGALURU - 560 083.

34.	EEE	"Modelling, Simulation And Implementation Novel Control Scheme For Power Quality Improvement Using Artificial Neural Network (Ann) Approach"
35.	EEE	B Gourav
36.	EEE	Shashank H
37.	EEE	Lava M
38.	EEE	Harish K C
39.	EEE	"Design And Implementation Of Peltier Powdered Portable Refrigeration Unit"
40.	EEE	Vinodh Kumars
41.	EEE	Vinay Kumar V A
42.	EEE	Kubra Yasmeen Taj
43.	EEE	Navyashree
44.	EEE	"Wind Turbine Mounted On Motorcycle For Portable Charge"
45.	EEE	Riyaz Ahmad Bhat
46.	EEE	Safeer Ahmad Lone
47.	EEE	"A Wireless Sensor System For Real Time Monitoring And Fault Detection Of Motor Arrays"


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AMC ENGINEERING COLLEGE
BENGALURU - 560 083.



AMC ENGINEERING COLLEGE

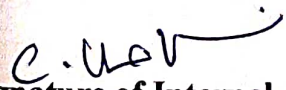


18 KM, BANNERGHATTA ROAD, BANGALORE-560083

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**EVALUATION OF NOVEL INDUCTIVE BALANCING OF LiFePO_4 BATTERY FOR ELECTRIC VEHICLES**" is bonafied work and is carried out by **RAJAN RAJESH RD LATHA (1AM19EPS01)** in partial fulfilment for the award of the degree of **Master of Technology in Electrical Power System** of the **Visvesvaraya Technological University, Belagavi** during the year 2020-2021. It is certified that all the corrections or suggestions indicated for internal assessment have been incorporated in the report. The report has been approved as it satisfies the requirements in respect to the project work for the master degree.


Signature of Internal guide

(Prof. Kothaiandal C)


Signature of HOD

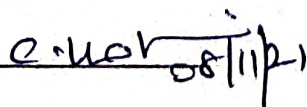
(Dr. P B MANOJ)


HOD

Dept. of EEE.,
AMC Engineering College
BANGALORE

Internal Examiner

Name:- KOTHAIANDAL C

Signature:- 

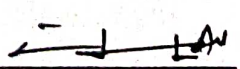

Signature of the principal

(Dr. Girisha C)

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

External Examiner

Name:- SUNIL KUMAR AN.

Signature:- 
08.11.21



AMC ENGINEERING COLLEGE



18 KM, BANNERGHATTA ROAD, BANGALORE-560083

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**DESIGN OF EFFICIENT OFF-BOARD DC CHARGER FOR ELECTRIC VEHICLE**" Carried out by **SWATI SINHA (1AM19EPS02)** a bonafide student of AMC Engineering College, Bengaluru, in partial fulfilment for the award of the degree of Master of Technology in Electrical and Electronics Engineering (EPS), of the Visvesvaraya Technological University, Belagavi during the year 2020-2021. It is certified that all the correction/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements with respect to the project work of prescribed for the said degree.

Signature of Internal guide

(Prof. Shivalingaswamy G D)

Internal Examiner

Name:- Shivalingaswamy G.D

Signature:-
23/9/2021

Signature of HOD

(Dr. K N Bhanuprakash)

HOD

Dept. of EEE.,
AMC Engineering College,
BANGALORE-83.

Signature of the principal

(Dr. Girisha C)

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

External Examiner

Name:- SUNIL KUMAR

Signature:-
28.09.21

Information Science Engineering Project work 2020-21

SL. No.	Program Code	Name of students
1.	ISE	1. "Detection of Emotion In Autistic Children Using Machine Learning Algorithms"
2.	ISE	Asha P
3.	ISE	Bhavana R
4.	ISE	Mohammed Suhail
5.	ISE	Meghana K
6.	ISE	2. "Face Mask Detection "
7.	ISE	Bindu S
8.	ISE	Deepika K S
9.	ISE	Harshitha S
10.	ISE	Malavika S
11.	ISE	3. "Content Summarizer"
12.	ISE	Akash V
13.	ISE	Pavan G Fadnees
14.	ISE	Priyanka Bharadwaj L
15.	ISE	Anu Shaji
16.	ISE	4."Blockchain For Finance"
17.	ISE	Shreyas Reddy M
18.	ISE	Sanjay B K
19.	ISE	Ranjith N
20.	ISE	5. "Job Trends Prediction "
21.	ISE	Darshini Tc
22.	ISE	Harshitha A
23.	ISE	Nisha R
24.	ISE	Malathi N
25.	ISE	6."Facial Recognition + Greetings + Message Exchange "
26.	ISE	Bhavana J
27.	ISE	Bibi Yahya
28.	ISE	Monika R
29.	ISE	Chunmun Kumari
30.	ISE	7."Smart Home "
31.	ISE	Priti Avinash Kamble
32.	ISE	Shreya V Hegde
33.	ISE	P Lakshmi
34.	ISE	Sushmitha V
35.	ISE	8."Blockchain For Procurement"
36.	ISE	Navanith B S
37.	ISE	Deepthi C R
38.	ISE	Meghana S

G. S. S.

39.	ISE	Kiran M S Aradhyamatt
40.	ISE	9."Gloves For Gesture Controlling Any Device"
41.	ISE	Mohit
42.	ISE	Amar
43.	ISE	Jesi S
44.	ISE	Lakshmi Priya
45.	ISE	Meghana M
46.	ISE	Rekha B
47.	ISE	Nadeemur Rahman
48.	ISE	Mohammed Ameen
49.	ISE	11."Stock Price Prediction"
50.	ISE	Sachin Yadav
51.	ISE	Raj Kumar
52.	ISE	Shivakumar R
53.	ISE	Divya S
54.	ISE	12."App Performance Management"
55.	ISE	Yash Sonawane
56.	ISE	13."Cryptocurrency For Incentive Management"
57.	ISE	Gokul M
58.	ISE	P S Punith Kumar
59.	ISE	Sushmitha S
60.	ISE	Swathi S
61.	ISE	14."Cancer Prognosis "
62.	ISE	Subhash D
63.	ISE	Shashank M R
64.	ISE	Srushti K J
65.	ISE	Vishal Kumar
66.	ISE	Chiranjib Mondal
67.	ISE	16."Tech Search Platform - Part 1
68.	ISE	Smart Web Scraper "
69.	ISE	Prathiksha S Raj
70.	ISE	Syeda Nida Seher
71.	ISE	Tapasya K M
72.	ISE	17."Ar/Vr Learning Platform"
73.	ISE	Prinston Mascarenhas
74.	ISE	Rahul BM
75.	ISE	Rathan D Rao
76.	ISE	Shreyas C
77.	ISE	18. "Gesture Based Recognition Of Bharathanatyam Gestures And Their Translation For Those Unaware Of It. "
78.	ISE	Aishwarya YR
79.	ISE	Yashaswini KC

80.	ISE	Karthik Lokesh
81.	ISE	19."Web Development For Alumni Association "
82.	ISE	Abhishek Jha
83.	ISE	Kushal C
84.	ISE	20."Gyroscope For Hazard Triggering "
85.	ISE	Fathima Mehraj
86.	ISE	Megha S Rao
87.	ISE	Maaz Ali Baig
88.	ISE	21"Narcotics Influence Detection With CV "
89.	ISE	Lohith K
90.	ISE	Kushal D
91.	ISE	Aniruddha S G
92.	ISE	A Sai Eswar
93.	ISE	22."Cooking Assistance With AI-IP"
94.	ISE	Thriveni P P
95.	ISE	Susmitha B U
96.	ISE	Kavya K V
97.	ISE	Hanushree M A
98.	ISE	23."Autonomous Driving"
99.	ISE	Fiza Noorain
100.	ISE	Kiran
101.	ISE	Manasa.M
102.	ISE	Divya Shukla
103.	ISE	24."RFID Access Control"
104.	ISE	Manoj M
105.	ISE	Nandesh Murthy R
106.	ISE	Bhavana M
107.	ISE	Krishnaveni S
108.	ISE	25;"Student Performance Gamification "
109.	ISE	1. Iot Based Smart Security System Using Lasers And Arduino Interfacing


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

AMC ENGINEERING COLLEGE
(Affiliated to Visvesvaraya Technological University)
18th K.M. Bannerghatta Main Road Bengaluru – 560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the Project work entitled “**AUTOMATED BUS CROWD MANAGEMENT SYSTEM USING ML**” carried out by BHAVANA.M (IAM17IS011), MANOJ.M (IAM17IS044), NANDESH MURTHY.R (IAM17IS056), KRISHNAVENI.S (IAM15IS039) is a bonafide student of AMC Engineering College in Partial Fulfillment of the requirement of Bachelor of Engineering in Information Science and Engineering Visvesvaraya Technological University, Belgaum during the year 2020 – 2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Signature of the Guide
Mrs. AYAIN JOHN
Asst. Prof., Dept. of ISE

Signature of the HOD
Dr. M V SUDHAMANI
Prof and HOD., Dept. of ISE

Signature of the Principal
Dr. A. G. NATARAJ
Principal AMCEC

AMCEC Examiners

1. Amutha R
2. Deepashree

Signature with Date

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **Application for Prognosis of different types of Cancer Disease using Machine Learning** has been successfully completed by **SHASHANK M R (IAM17IS080), SUBHASH D (IAM17IS090), SRUSHTI K J (IAM17IS089) and VISHAL KUMAR (IAM17IS096)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Dr. Ganga Holi
Project Guide
Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

1. Ayain Jhon
2. Deepashree

Signature with Date

- 1.
- 2.

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **Stock price prediction using deep learning** has been successfully completed by **SHIVAKUMAR(1AM17IS082)**, **RAJKUMAR (1AM17IS071)**, **SACHIN YADAV (1AM17IS075)** and **DIVYA S (1AM16IS022)**, bonafide students of AMC Engineering College, **Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Mr. Rahul B
Project Guide

Asst. Professor

Department of ISE

Dr. M V Sudhamani
Professor and HOD

Department of ISE

AMCEC

Dr. A G Nataraj
Principal

AMCEC

External Viva

Name of the Examiners

1. Ayain Jhon

2. Deepashree

Signature with Date

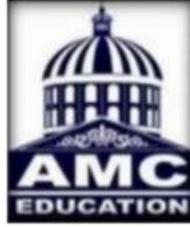
1.

2.

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bengaluru-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled "**MORSECODE BASED SECURED AUTHENTICATION SYSTEM**" has been successfully completed by **A SAI ESWAR(1AM17IS001)** , **ANIRUDDHA SG (1AM17IS004)**, **KUSHAL D (1AM17IS035)** and **LOHITH K (1AM17IS037)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Mr. Shivananda S
Project Guide
Assistant Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

1. Amutha R
2. Mala B A

Signature with Date

1. R. Amutha
2. Mala B.A

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

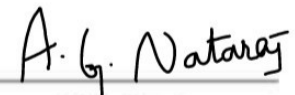
Certified that the project work entitled "**HELMET RECOGNITION AND NUMBR PLATE DETECTION FOR VEHICLE USING DEEP LEARNING**" has been successfully completed by **DIVYA SHUKLA (IAM17IS022)** , **FIZA NOORAIN (IAM17IS024)**, **KIRAN (IAM17IS033)** and **MANASA.M (IAM17IS043)**, bonafide students of **AMC Engineering College , Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.



Project Guide
Mrs. Amutha.R
Associate Prof. Dept.of ISE
AMCEC



HOD
Dr. Sudhamani M.V
Prof. & Head, Dept.of ISE
AMCEC



Principal
A.J Nataraj
AMCEC

EXTERNAL VIVA

EXTERNAL EXAMINERS

1. Ayain Jhon
2. Mala B A

SIGNATURE WITH DATE

1. 
Ayain Jhon
2. 
Mala B A

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **MUDRA:- Multiplatform Utility Device For Recognizing Action** has been successfully completed by **AMAR R (IAM17IS003)**, **MOHIT NOTANI (IAM17IS053)**, **JESI S (IAM17IS030)** and **LAKSHMI PRIYA G (IAM17IS036)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Dr. Ganga Holi
Project Guide
Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

Signature with Date

1. Amutha R

1. R. Amutha

2. Deepashree

2. Deepashree

AMC ENGINEERING COLLEGE

(Affiliated Visvesvaraya Technological University)
18 Km, Bannerghatta Road, Bangalore-560083



CERTIFICATE

This is to certify that the project work titled **Financial Analysis Webapp** is carried out by **Mr Chiranjib Mondal bearing USN 1AM17IS016** is a student of **AMC Engineering College** in partial fulfilment of the requirement of VIII semester Bachelor of Engineering in **Information Science and Engineering**, Visvesvaraya Technological University, Belgaum during the year 2020 – 2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Seminar report has been approved as it satisfies the academic requirements in respect of Seminar work prescribed for the said degree.

Mala B.A

Signature of Guide

Mrs. Mala B A
(Asst. Prof, Dept. of ISE)

M.V. Sudhamani

Signature of HOD

Dr. M V Sudhamani
Professor and HOD

A.G. Nataraj

Signature of Principal

Dr. A G Nataraj
AMCEC

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **“ALZHEIMER’S DISEASE PREDICTION USING IMAGE PROCESSING”** has been successfully completed by **MEGHANA.M (1AM17IS047), MOHAMMED AMEEN(1AM17IS049), NADEEMUR RAHMAN (1AM17IS055) and REKHA B (1AM15IS070)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Mr. Shivananda S Gowda
Project Guide
Assistant Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

1. Amutha R
2. Mala B A

Signature with Date

1. R. Amutha
2. Mala B.A

AMC ENGINEERING COLLEGE

18th K.M. Bannerughatta Main
Road Bengaluru – 560083



CERTIFICATE

I certified that the Mini Project work entitled “**DIABETES DETECTION USING K NEAREST NEIGHBOR CLASSIFICATION ALGORITHM**” carried out by **Monika R (IAM17IS054)** is a bona-fide student of AMC Engineering College in partial fulfilment of the requirement of VII semester (Machine Learning Internship Project) Bachelor of Engineering in Information Science and Engineering Visvesvaraya Technological University, Belgaum during the year 2020 – 2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Internship Project report has been approved as it satisfies the academic requirements with respect of the Mini Project work prescribed for the said degree.

Signature of the HOD
Dr. M V Sudhamani
(HOD, Dept. of ISE)

Signature of Principal
Dr. A. G. Nataraj
(Principal)

External Viva

Name of the examiners

Signature & date

1. Amutha R
2. Mala B A

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **IOT Based Surveillance System and Security** has been successfully completed by **PRINSTON MASCARENHAS(1AM17IS067)**, **RAHUL B M (1AM17IS070)**, **RATHAN D RAO (1AM17IS073)** and **SHREYAS C (1AM17IS085)**, bonafide students of **AMC Engineering College**, Bengaluru in partial fulfillment of the requirements for the award of degree in Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belgaum during academic year 2020-2021. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Asst Prof. Sharath K R
Project Guide
Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

1. Amutha R

2. Mala B A

Signature with Date

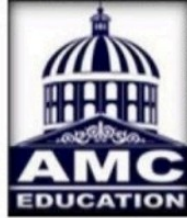
1. R. Amutha

2. Mala B.A

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **SMART HEALTHCARE SYSTEM** has been successfully completed by **SAHANASHREE B M (IAM17IS076)**, **RUSHITHA S R (IAM17IS074)**, and **KEDAR JANAWADE (IAM16IS041)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Mrs. Deepashree N
Project Guide
Assistant Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

1. Ayain Jhon
2. Srushti C S

Signature with Date

- 1.
2. _____

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **PHISING WEBSITE DETECTION USING MACHINE LEARNING** has been successfully completed by **PRATHIKSHA S RAJ(1AM16IS069)**, **SYEDA NIDA SEHER (1AM16IS097)**, **TAPASYA K M (1AM16IS098)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

R. Amutha

M V Sudhamani

A. G. Nataraj

Mrs. AMUTHA R

Project Guide
Assistant Professor
Department of ISE

Dr. M V Sudhamani

Professor and HOD
Department of ISE
AMCEC

Dr. Dr. A G Nataraj

Principal
AMCEC

External Viva

External Examiners

1. Dr Ganga Holi

2. Deepashree

Signature with Date

1. *Ganga Holi*

2. *Deepashree*



ACCREDITED BY NAAC & NBA, MINISTRY OF HRD, NEW DELHI
AMC ENGINEERING COLLEGE
(Affiliated to Visvesvaraya Technological University)
18th K.M. Bannerghatta Main Road Bengaluru – 560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



2020-2021

CERTIFICATE

Certified that the Project work entitled “TWO-WAY SMART COMMUNICATION SYSTEM FOR DEAF & DUMB AND NORMAL PEOPLE” carried out by **THRIVENI P P (1AM17IS095), SUSHMITHA B U (1AM17IS091), KAVYA K V (1AM16IS039), HANUSHREE M A (1AM16IS029)** is a bonafide student of AMC Engineering College in Partial Fulfillment of the requirement of Bachelor of Engineering in Information Science and Engineering Visvesvaraya Technological University, Belgaum during the year 2020 – 2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Mala B.A

Signature of the Guide

Mrs. MALA B A
Asst. Prof., Dept. of ISE

M V Sudhamani

Signature of the HOD

Dr. M V Sudhamani
Prof and HOD., Dept. of ISE

A. G. Nataraj

Signature of the Principal

Dr. A. G. NATARAJ
Principal

AMCEC Examiners

1. Dr Ganga Holi
2. Srushti CS

Signature with Date

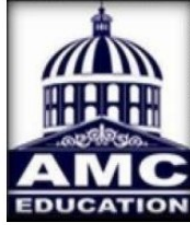
Gm

SK

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **SMART HOME: TRACKING MULTIPLE INHABITANTS** has been successfully completed by **P LAKSHMI (1AM17IS061), PRITI AVINASH KAMBLE (1AM17IS068), SHREYA V HEGDE (1AM17IS084) and SUSHMITHA V (1AM17IS093)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

R. Amutha

Mrs. Amutha R
Project Guide
Associate Professor
Dept. of ISE, AMCEC

M V Sudhamani

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

A. G. Nataraj

Dr. Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

1. Dr Ganga Holi
2. Srushti CS

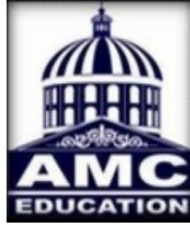
Signature with Date

1. *Ganga Holi*
2. *Srushti CS*

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled **Face Mask Detection System Using AI & Machine Learning techniques** has been successfully completed by **Bindu S (1AM17IS014)**, **Deepika K S (1AM17IS019)**, **Harshitha S (1AM17IS028)** and **Malavika S (1AM17IS041)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Ms. Apurva P
Project Guide
Assistant Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

1. Dr Ganga Holi
2. Mala B A

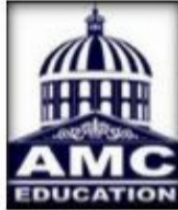
Signature with Date

1.
2. Mala B.A

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled "**Detection of Autism and Emotion using Machine Learning Algorithms**" has been successfully completed by **Asha P(1AM17IS007)**, **Bhavana R(1AM17IS012)**, **Meghana K(1AM17IS046)**, **Mohammed Suhail (1AM17IS051)** bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Mrs. Srushti C S
Project Guide
Assistant Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. Dr. A G Nataraj
Principal
AMCEC

External Viva

Name of the Examiners

1. Ayain Jhon
2. Deepashree

Signature with Date

- 1.
- 2.

AMC ENGINEERING COLLEGE
(Affiliated to Visvesvaraya Technological University)
18th K.M.Bannerghatta Main Road Bengaluru-560083

**DEPARTMENT OF INFORMATION SCIENCE AND
ENGINEERING**



2020-2021

CERTIFICATE

This is to certify that the project work entitled “CAPITAL VENTURING CROWDFUNDING USING BLOCKCHAIN BY SMART CONTRACTS” carried out by **P S PUNITH KUMAR (1AM17IS063)**, **SUSHMITHA S (1AM17IS092)**, **SWATHI S (1AM17IS094)** and **GOKUL M (1AM16IS027)** are bonafide students of AMC Engineering College in Partial Fulfillment of the requirement of Bachelor of Engineering in Information Science and Engineering Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Signature of the Guide
Ms. ANUSHREE G
Asst. Prof., Dept. of ISE

Signature of the HOD
Dr. M V SUDHAMANI
Prof and HOD., Dept. of ISE

Signature of the Principal
Dr. A. G. NATARAJ
Principal AMCEC

AMCEC Examiners

1. Ayain Jhon
2. Deepashree

Signature with Date

AMC ENGINEERING COLLEGE
(Affiliated to Visvesvaraya Technological University)
18th K.M. Bannerghatta Main Road Bengaluru – 560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the Project work entitled “**EXTRACTIVE TEXT SUMMARIZATION USING MACHINE LEARNING**” carried out by ANU SHAJI (1AM15IS007), AKASH V (1AM16IS009) PAVAN G FADNEES (1AM17IS064) and PRIYANKA BHARADWAJ L (1AM17IS069) is a bonafide student of AMC Engineering College in Partial Fulfillment of the requirement of Bachelor of Engineering in Information Science and Engineering Visvesvaraya Technological University, Belgaum during the year 2020 – 2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Signature of the Guide
Mr. SHARATH K R.
Asst. Prof., Dept. of ISE

Signature of the HOD
Dr. M V Sudhamani
Prof and HOD., Dept. of ISE

Signature of the Principal
Dr. A. G. NATARAJ
Principal

AMCEC Examiners

1. Ayain Jhon
2. Deepashree

Signature with Date

AMC ENGINEERING COLLEGE

(Affiliated Visvesvaraya Technological University)

18 Km, Bannerghatta Road, Bangalore-560083



CERTIFICATE

Certify that the project work entitled “Non Contact Advance Method Of COVID-19 Prediction Using Deep Neural Networks with X-ray Images” has been successfully completed by DARSHINI T C (IAM17IS018), HARSHITHA A (IAM17IS027), MALATHI N (IAM17IS040), NISHA R (IAM17IS060) bonafide students of AMC Engineering College in partial fulfillment of the requirement of VIII semester Bachelor of Engineering in Information Science and Engineering, Visvesvaraya Technological University, Belgaum during the year 2020 – 2021. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide

Mrs. Srushti C S
Assistant Professor
Dept. of ISE

Signature of HOD

Dr. M V Sudhamani
Professor and HOD
Dept. of ISE

Signature of Principal

Dr. A G Nataraj
AMCEC

External Viva

Name of the Examiners

Signature with Date

1. Ayain Jhon

1.

2. Deepashree

2.

AMC ENGINEERING COLLEGE

18 Km, Bannerghatta Road, Bangalore-560083

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled "IOT BASED INTELLIGENT SYSTEM FOR VEHICLE ACCIDENT PREVENTION AND DETECTION AT REAL TIME" has been successfully completed by **FATHIMA MEHRAJ (IAMI7IS023)**, **MAAZ ALI BAIG (IAMI7IS039)**, **MEGHA S RAO (IAMI7IS045)**, bonafide students of **AMC Engineering College, Bengaluru** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belgaum** during academic year **2020-2021**. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Mrs. Ayain John
Project Guide
Assistant Professor
Department of ISE

Dr. M V Sudhamani
Professor and HOD
Department of ISE
AMCEC

Dr. A G Nataraj
Principal
AMCEC

Name of the Examiners

1. Deepashree
2. Ayain Jhon

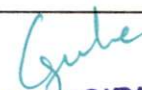
External Viva

Signature with Date

- 1.
- 2.

Master of Business Administration Project work 2020-21

SL. No.	Program Code	Name of students
1.	MBA	Akash S.J - A Study On Customer Perception
2.	MBA	Bhanuprakash A.M - A Study On Employee Welfare
3.	MBA	Bharath. R -A Study On Fundamental Analysis On Mutual Funds
4.	MBA	Bhavana K.R -A Study On Employee Safety And Security Measures
5.	MBA	Chaitanya. N-A Study On Cost Deviation
6.	MBA	Darhsan. P- A Study On Effectiveness Of Ai In Hr
7.	MBA	Divya G.M-A Study On Working Capital Management
8.	MBA	Geetanjali. V-A Study On Work Life Balance And Stress Management Of Women Employees
9.	MBA	Harishkumar. V-A Study On Cost Accounting Techniques
10.	MBA	Harshitha H.M-A Study On Employee Management Stress
11.	MBA	Karthik R.K-A Study On Mortgage Loans And Credit Policies
12.	MBA	Karthikeyan. S-A Study On Employee Welfare
13.	MBA	Kavana. M-A Study On Capital Structure
14.	MBA	Keerthi Kumara. K-A Study On Ratio Analysis
15.	MBA	Kiran M.V-A Study On Buying Behaviour
16.	MBA	Mohan Kumar. M-A Study On Profitability Analysis
17.	MBA	Nagaveni S.K-A Study On Investment Behaviour Of Women Investors In Tumkur City
18.	MBA	Pavana Kumara N.M-A Study On Sales Promotion
19.	MBA	Prajwal H.B-A Study On Income And Expenditure
20.	MBA	PraKruthi S.R-A Study On Employee Absenteeism
21.	MBA	Priyadarshini K.V-A Study On Effectiveness Of Employee Management
22.	MBA	Priyanka M.R-A Study On Working Capital Management
23.	MBA	R. Sathish Babu-A Study On Prepurchase Perception Towards Hero Bikes
24.	MBA	Rakesh B.S-A Study On Financial Ratio Analysis
25.	MBA	Ranjitha. S-A Study On Financial Performance At Honda Motorcycles And Scooter India
26.	MBA	Ravi Theja R.V-A Study On Impact Of Branding And Packing On Sale Of Goods
27.	MBA	Rohan. R-A Study On Competitive Analysis Of Equity And Debt On Mutual Funds
28.	MBA	Sachin Kumar K.S-A Study On Direct Marketing In Hypermarkets
29.	MBA	Sanjaya H.R-A Study On Depository Schemes
30.	MBA	Saquiab Zabiulla-A Study On Marketing Mix Strategy Of John Deere Tractors


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

31.	MBA	Shalini-A Study On Policies Revision & Formulation Of Retention Strategies
32.	MBA	Shivaraj M.B-A Study On Training And Development
33.	MBA	Suraj Kumar-A Study On Users Perception Towards Solar Panels At Houses In Nagarbhavi, Blr
34.	MBA	Tejā. B-A Study On Proficiencies Of Training
35.	MBA	Veerendra Hegde-A Study On Supply Chain Management
36.	MBA	Vidya K.K-A Study On Working Capital
37.	MBA	Yogeshwari. G.N-A Study On Loans And Advances
38.	MBA	Phani Kishore-A Study On Sales Promotion For Retail Merchant
39.	LVS	Saleema


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

ROYAL ENFIELD

CERTIFICATE

This is to certify that Mr. AKASH.S.J (Register No.1AM19MBA01) A second year MBA marketing student of AMC ENGINEERING COLLEGE has successfully under gone has project work title "A Study on customer perception towards Royal Enfield Himalayan bike at H.S.R service in Bangalore city" from 22 FEB 2021 TO 05 APRIL 2021.

During the internship, found to be good at his performance.

H.S.R Services wishes him with all the success for future.

For HSR Services



(G.M.SALES)



H.S.R. SERVICES

No. 132, Kantha Court, Lalbagh Road,
Bangalore - 560 027

Branch 1
29/1 & 2, Chunchaghatta Main Road
Janganshall, LMC Industrial Layout
Bangalore - 560078

Telephone: 080 4153 4132
Mobiler: +91 98207 84706
Email: sales@h-sr-services.com

Telephone: 080 2863 5824
Mobile: +91 78291 03350 / 98607 62840
Email: kprworkshop@h-sr-services.com



ಕೋಲಾರ - ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಜಿಲ್ಲಾ ಸಹಕಾರ ಹಾಲು ಉತ್ಪಾದಕ ಸಂಘಗಳ ಒಕ್ಕೂಟ ನಿ.,
Kolar - Chikkaballapura District Co-operative Milk Producers Societies Union Ltd.

KCMU ADMN : 3187

: 2021-22

Date : 16.07.2021

CERTIFICATE

This is to certify that BHANU PRAKASHAN A M (USN No : IAM19MBA03), A.M.C Engineering College, Bengaluru student Studying MBA has undertaken Internship Project in dairy entitled "A STUDY ON ANALYSIS OF WAGE AND SALARY" at Kolar-Chikkaballapur District Co-operative Milk Producers Societies Union Ltd., Kolar.

For Kolar-Chikkaballapur Milk Union Limited,

Neesha
Manager (Admin).

Manager (Admin),

Kolar-Chikkaballapur Dist. Co-operative
Producer's Societies Union Limited,
KOLAR.

ಕೋಲಾರ - ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಜಿಲ್ಲಾ ಸಹಕಾರ ಹಾಲು ಉತ್ಪಾದಕ ಸಂಘಗಳ ಒಕ್ಕೂಟ ನಿ. - 75, ಹುತುರ ಪುಸ್ತ, ಕೋಲಾರ - 563102

N.H.-75, Huthur Post, KOLAR - 563102

ISO-22000 : 2005 Certified

Ph : 08152-282300, Fax : 08152-282303

Email : komulmd@yahoo.co.in, komulmd@gmail.com, website : www.komul.coop


MOTILAL OSWAL

Date: 11/04/2021

TO WHOM SO EVER IT MAY CONCERN

This is certified that Mr BHARATH R USN: 1AM19MBA04 studying final year MBA student of AMC ENGINEERING COLLEGE, BANGALORE And Science has carried out his project work entitled "A STUDY ON MUTUAL FUNDS ANALYSIS WITH SPECIAL REFERENCE OF MOTILAL OSWAL SECURITIES LTD " From 23rd February 2021 to 06th April 2021 During his training he has shown positive attitude towards learning.

We wish all the best for his future


Authorized signatory

Motilal Oswal Financial Services Ltd,
No 212, 3rd floor, main road, sadashiva nagar,
Ph: +91 8074267120 Bengaluru- 560080
Karnataka.



Eastern Silk Industries Ltd.

#41 1, Telugarahalli Road, Anekal Bangalore -- 562106

Phone-+91 80 2783 4420 / 4421 / 4423 / 2124, Email - bangalore@easternsilk.com

Date: 5 April 2021

TO WHOM IT MAY CONCERN

This is to certify that Ms. Bhavana K R (IAM19MBA05), a student of MBA in AMC engineering college, Bangalore has successfully completed Six weeks of internship program at this organization (From 22 February 2021 to 5 April 2021), During the period of her internship program with us she was found punctual & inquisitive.

We wish her every success in life.

HR Manager
Eastern silks Ltd.



19th April, 2021

CERTIFICATE

This is to certify that Mr. Darshan P (Reg. no. 1AM19MBA07) a student of MBA at AMC Engineering College, Bangalore, affiliated to VTU University, has completed his summer internship project with Bisleri International Pvt. Ltd. from 22nd Feb, 2021 to 19th April, 2021 with our guidance and supervision.

During the period, we have found him to be hardworking and sincere.

We wish him good luck in all his future endeavor.

For Bisleri International Pvt. Ltd.,


Authorized Signatory



ಕೋಲಾರ ಮತ್ತು ಚಿಕ್ಕಬಳ್ಳಾಪುರ
ಜಿಲ್ಲಾ ಸಹಕಾರ ಕೇಂದ್ರ ಬ್ಯಾಂಕ್ ನಿಯಮಿತ, ಕೋಲಾರ

Ph : 08152-222042
08152-222192



The Kolar & Chikballapura District Co-operative Central Bank Limited, Kolar

Post Box No. 11, D.C.C. Bank Road, KOLAR-563101

Email : kolarccb@yahoo.com

Ref.

NO:KCDCCB/CEO/9330 /2021-22

Date:02.07.2021

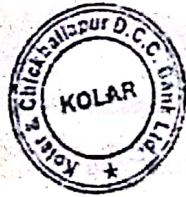
TO WHOM SO EVER IT MAY CONCERN CERTIFICATE

This is to certify that Ms. DIVYA G M, REG No.1AM19MBA08, she is studying in 2nd Year MBA, AMC Engineering College, 18th KM, Bannerghatta Road, Bangalore-560083 has under taking the Project in our bank.

The Report title was:-

**"A STUDY ON WORKING CAPITAL MANAGEMENT AT
KOLAR AND CHIKBALLAPURA DCC BANK LTD., KOLAR"**

She completed the Project for a Period of 6 Weeks successfully with her endeavours.



(N.VENKATESH)

Chief Executive Officer(I/C)
Kolar and Chikballapura
DCC Bank Ltd., Kolar.



SCOTTS

401 B, IV PHASE, PEENYA INDUSTRIAL AREA, BANGALORE, KARNATAKA, 560098
PHONE - 080 2836 3576 EMAIL - accounts@scottsgarments.com

Date: 5th April 2021

TO WHOM IT MAY CONCERN

This is to certify that Ms. Geetanjali V (IAMI9MBA09), a student of MBA in AMC Engineering College, Bangalore has successfully completed six weeks of internship program at this organization (From 22nd February 2021 to 5th April 2021). During the period of her internship program with us she was found punctual and inquisitive.

We wish her every success in life.

For Scotts Garments Pvt. Ltd

RAJESH KUMAR

(HR Manager)



Badve Engineering Limited

Plot No. 207-210, KIADB, Narasapura Industrial Area, Kolar Taluk, Kolar District, Karnataka-563 133.
CIN : U73100MH1998PLC102827

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. HARISHKUMAR V, USN No. 1AM19MBA10 student of Master of Business Administration from Visvesvaraya Technological University, Karnataka has successfully completed his programme for a period of six weeks (42 days) with us from 22nd Feb, 2021 to 5th April, 2021, has undertaken the project of a "COST ACCOUNTING in BADVE ENGINEERING LTD". This Project Report work carried out by him with guidance by our finance department.

During his project tenure in the organization, we found his hard working, sincere and diligent person and his behaviour and conduct was good during the project.

We wish his all the best for his future endeavours.



Regd. Office : Plot No. D-39, MIDC Industrial Area, Waluj, Aurangabad - 431 136. Maharashtra (India)

sfs

Super Financier Solutions

Certificate

This is the certificate that Mr. KARTHIK R.K (1AM19MBA12) Student of MBA IV semester at AMC Engineering College Bangalore. VTU Belgaum has undergone the internship/ project work of from 1st March 2021 to 15th April 2021 on "A Study On Mortgage Loans and Credit Policies" at SFS Basavanagudi Bangalore. During this study we found that the student is sincere and eager to gather required information.

Super Finance Solutions
For SUPER FINANCIER SOLUTIONS


Director
Proprietor

#177/1, Corporation no -1, Dvg Road Basavanagudi, Bangalore-4
Phone no - 080-65470651



ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BANGALORE METROPOLITAN TRANSPORT CORPORATION
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: 84 / 2021-22

Date: 16/06/2021



CERTIFICATE

This is to certify that Mr. Karthikeyan S (Reg. No. 1AM19MBA13) student of MBA, AMC Engineering College, Bangalore has successfully completed the Internship on the title "A Study on Employee Welfare at BMTC" during 02/03/2021 to 02/05/2021 at Bangalore Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

Chief Labour and Welfare Officer (HRD)

B.M.T.C

Head of the Department
Human Resource Development Department
Bengaluru Metropolitan Transport Corporation
Central Offices, 11, Bangalore, Bengaluru-27.



Date: 11/04/2021

TO WHOM SO EVER IT MAY CONCERN

This is certified that Mr KEERTHI KUMRARA K USN: 1AM19MBA15 studying final year MBA student of AMC ENGINEERING COLLEGE, BANGALORE And Science has carried out his project work entitled "A STUDY ON FINANCIAL PERFORMANCE IN RATIO ANALYSIS WITH SPECIAL REFERENCE OF CANARA BANK " From 22th February 2021 to 5th April 2021 During his training he has shown positive attitude towards learning

We wish all the best for his future



Branch Manager

Corporate Office
Canara Bank Head Office
112 J.C. Road,
BANGALORE,
Karnataka - 560002 India

Bank Address
VSKU Branch,
Vinayakanagar,
Cantonment,
Ballari,
Karnataka - 583104, India

Website : www.canarabank.in Tollfree Number : 1800 425 0018

GRB DAIRY FOODS PVT LTD



TO WHOM SO EVER IT MAY CONCERN

This is certified that Mr KIRAN M V USN: 1AM19MBA16 studying final year MBA student of AMC ENGINEERING COLLEGE, BANGALORE And Science has carried out his project work entitled "A STUDY ON BUYING BEHAVIOUR OF GRB PRODUCTS IN BANGALORE " From 22nd February 2021 to 5th April 2021 During his training he has shown positive attitude towards learning.

We wish all the best for his future


Marketing Manager 

Address: Old No.484, New No. 57, II Floor, 33rd Cross, 9th Main Rd, 4th Block,
Jayanagar, Bengaluru, Karnataka 560011, Ph no:80864 72693

www.grbdairyfood.com

DATE: 06.04.2021

CERTIFICATE

This is to certify that **Mr. MOHAN KUMAR.M** student of 4th semester **MBA, AMC ENGINEERING College**, 18th K.M, Bannerghatta Main Rd, Bengaluru, affiliated to Visvesvaraya Technological University, Belgavi, bearing **USN NO:1AM19MBA18**(Batch 2019 - 2021) has successfully completed his academic internship project work titled "**A STUDY ON PROFITABILITY ANALYSIS IN TRAVEL INDUSTRY WITH SPECIAL REFERENCE TO BNG TRAVELS**". during the period from 22.02.2021 to 05.04.2021 as a part of his 4th semester MBA curriculum.

He has showed his extensive interest during his internship project work, which is worth appreciating.

The "**BNG TRAVELS**" wishes **Mr. MOHAN KUMAR.M**, a bright future.



Mr. T. R SHANKAR KUMAR



REF: VRL/2021

Date: 22-6-2021

TO WHOMSOEVER IT MAY CONCERN

This is to clarify that ms. NAGAVENI. SK (USN IAM19MBA19) MBA Student of AMC ENGINEERING COLLEGE BANFLORE affiliated to VTU has successfully completed her internship project work in the topic: A STUDY ON FINANCIAL STATEMENTS ANALYSIS OF VRL LOGESTICS PVT LTD BANGLORE"

We wish good luck in her future endeavor

KRISHNA. S

HR MANAGER





ARUNODAYA SERVICE STATION

DATE: 09.04.2021

CERTIFICATE

This is to certify that **Mr. PRAJWAL HB** student of 4th semester **MBA, AMC ENGINEERING College**, 18th K.M, Bannerghatta Main Rd, Bengaluru, affiliated to Visvesvaraya Technological University, Belgavi, bearing **USN NO:1AM19MBA21**(Batch 2019 – 2021) has successfully completed his academic internship project work titled **"A STUDY ON INCOME AND EXPENDITURE PATTERN AT M/S. ARUNODAYA SERVICE STATION."** during the period from 22.02.2021 to 05.04.2021 as a part of his 4th semester MBA curriculum.

He has showed his extensive interest during his internship project work, which is worth appreciating.

The " **ARUNODAYA SERVICE STATION**" wishes **Mr. PRAJWAL HB**, a bright future.



Mr. P Anil Kumar

Mr. P ANIL KUMAR

CERTIFICATE

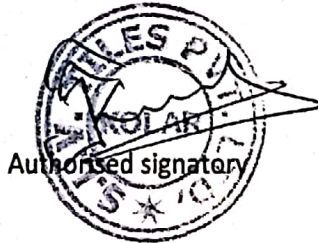
This is to certify that **Ms.PRAKRUTHI S R (Reg no;1AM19MBA22)** pursuing MBA in AMC Engineering college has done the project work on "A STUDY ON EMPLOYEE ABSENTEEISM" in "SLV TILES PVT LTD" Tamaka, Kolar.

The period of internship was from **22nd FEB 2021 To 5TH APR 2021**

Her performance and conduct during the period were commendable.

We wish her all the best for her future endeavours.

For SLV TILES PVT LTD



Manufacture & Marketed by



SLV TILES PVT LTD.

Factory and Head Office : Plot No. 8 Sy No. 39, KIADB Industrial Area, Tamaka Kolar - 563 101.

Contact : 08152 - 243067 M.: 9379556116, 9379556117, 9379556118, 9379556119 Email: slvtiles@gmail.com, slvpavers@gmail.com web: www.slvtiles.com

Marketing office: 384/1, 4th Main 2nd Cross, Old Extension Beside, City Union Bank, K.R. Puram Bangalore - 36

Contact : 8029536119, 7483801877 / 78 / 79 Email : marketing.albestos@gmail.com AN ISO 9001 : 2015 CERTIFIED COMPANY

HERO PRIVATE LIMITED



DATE: 07.05.2021

CERTIFICATE

This is to certify that **Mr. R SATHISH BABU** student of 4th semester **MBA, AMC ENGINEERING College**, 18th K.M, Bannerghatta Main Rd, Bengaluru, affiliated to Visvesvaraya Technological University, Belgavi, bearing **USN NO:1AM19MBA25**(Batch 2019 - 2021) has successfully completed his academic internship project work titled "**A STUDY ON CUSTOMER PREPURCHASE PERCEPTION TOWARDS HERO BIKES**" during the period from 22.02.2021 to 05.04.2021 as a part of his 4th semester MBA curriculum.

He has showed his extensive interest during his internship project work, which is worth appreciating.

The "**HERO PRIVATE LIMITED**" wishes **Mr. R SATHISH BABU**, a bright future.



Sathy Narayana
Mr. SATHYANARAYANA



ನಂದಿನಿ ಹೈಟೆಕ್ ಪ್ರಾಡಕ್ಟ್ ಪ್ಲಾಂಟ್, ಚನ್ನರಾಯಪಟ್ಟಣ (ಕೆ.ಎ.ದ. ಉಳಿ)
Nandini HiTech Product Plant, CHANNARAYAPATNA (A Unit of KMF)



No.NHPP/ Admin-p / 2021 / 768

Date: 08.07.2021

CERTIFICATE

This is to certificate that Mr. Rakesh B.S (USN:-1AM19MBA26) Student of MBA IV semester at AMC Engineering College Bangalore. VTU Belgaum has undergone the internship/project work of from 1st March 2021 to 15th April 2021 on "A Study on Financial Ratio Analysis" At Nandini Hi-Tech product Plant, Channarayapatna, a Unit Of KMF. During the study we found that the student is sincere and eager to gather the required information.

Nandini Hi- Tech Product Plant


(DIRECTOR)

Director

KMF Nandini Hi-Tech Product Plant
Shettyhally, Janivara (PO)-573116
Channarayapatna Tq; Hassan Dist.
Karnataka.

ಶೆಟ್ಟಿಹಳ್ಳಿ, ಜನಿವಾರ ಪೋಸ್ಟ್ - 573 116, ಚನ್ನರಾಯಪಟ್ಟಣ ತಾ||, ಹಾಸನ ಜಿಲ್ಲೆ, ಕರ್ನಾಟಕ

Shettyhally, Janivara Post - 573 116, Channarayapalna Tq., Hassan Dist, Kamataka
Phone No. 08176 - 254254, Fax No.: 08176 - 254252 email : mpp_crp@yahoo.com

Company Certificate



DATE: 15/04/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms RANJITHA S(Reg No. 1AM19MBA27) Student of master of business administration AMC ENGINEERING COLLEGE 18th Km. BANNERGHATTA ROAD BENGALURU As undergone 6 weeks of internship is on financing from 22nd feb to 5th april 2021 successfully completed his internship at our Honda motorcycle & scooters India pvt ltd narasapura -563133. As a part of his Master degree on topic of "A Study on Financial performance of Honda Motorcycle & Scooters India Pvt . Ltd he was disciplined and showed keen interest in his work besides being regular and punctual.

For Honda motor Cycles and scooters india Pvt .Ltd



Mr Roshan Kumar
Sr executive officer

TWEEN APPAREL PVT LTD.

DATE: 08.04.2021

CERTIFICATE

This is to certify that Mr. RAVITHEJA RV student of 4th semester MBA, AMC ENGINEERING College, 16th K.M, Bannerghatta Main Rd, Bengaluru, affiliated to Visvesvaraya Technological University, Belgavi, bearing USN NO:1AM19MBA28(Batch 2019 - 2021) has successfully completed his academic internship project work titled "STUDY ON IMPACT OF BRANDING AND PACKAGING ON SALE OF GOODS AT TWEEN APPARELS PVT LTD." during the period from 22.02.2021 to 05.04.2021 as a part of his 4th semester MBA curriculum.

He has showed his extensive interest during his internship project work, which is worth appreciating.

The "TWEEN APPARELS PVT LTD" wishes Mr. RAVITHEJA RV, a bright future.



[Handwritten Signature]

Mr. R. SANTHOSH RAO



SHUSHRUTHI
SOUARDA SAHAKARA BANK NIYAMITA

SHUSHRUTHI SOUARDA SAHAKARA BANK NIYAMITA

DATE: 07.04.2021

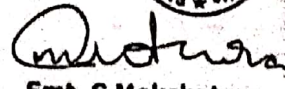
CERTIFICATE

This is to certify that Mr. **SANJAYA H R** student of 4th semester **MBA, AMC ENGINEERING College**, 18th K.M, Bannerghatta Main Rd, Bengaluru, affiliated to Visvesvaraya Technological University, Belgavi, bearing **USN NO:1AM19MBA31**(Batch 2019 - 2021) has successfully completed his academic Internship project work titled "**A STUDY ON DEPOSIT SCHEMES OF SHUSHRUTHI SOUARDA SAHAKARA BANK NIYAMITA.**" during the period from 22.02.2021 to 05.04.2021 as a part of his 4th semester MBA curriculum.

He has showed his extensive Interest during his Internship project work, which is worth appreciating.

The "**SHUSHRUTHI SOUARDA SAHAKARA BANK NIYAMITA**" wishes Mr **SANJAYA H R**, a bright future.




Smt. S Mokshatara



JOHN DEERE

PROJECT COMPLETION CERTIFICATE

This is to certify that Mr. SAQUIB ZABIULLA (USN No: 1AM19MBA32) 4th Semester MBA Student From A.M.C ENGINEERING COLLEGE BANGALORE had undertaken "Project Work" titled "Marketing Mix strategy of John Deere" "With Special Reference to John Deere Pvt Ltd, P.B Road Devanagar. Has completed his project during 20th/February/2021 to 10/2021/April. As a part of his course curriculum under the guidance of Prakash Manager, John Deere Pvt Ltd, Devanagar.

During he stay with us, we found him to be sincere and his conduct was good.

We wish him best for future career.

For: JOHN DEERE PVT LTD

KRISHNA MURTHY

JOHN DEERE PVT. LTD.

P.B. Road,

Devanagar-577 002.

Authorized Signature

REF: BEL/2021

Date: 22-june-2021

TO WHOMSOEVER IT MAY CONCERN

This is to clarify that ms. SHALINI (REG.IAMI9MBA33), MBA Student of AMC ENGINEERING COLLEGE BANGALORE *affiliated to VTU*, has successfully completed her internship project work in the topic "A STUDY ON PERFORMANCE APPRAISALS AT BHARAT ELECTRONICS LIMITED BANGLORE"

We wish good luck in her future endeavor

Ms. M KOMALA L
HR Manager BEL





DEEPA SOLAR SYSTEMS PRIVATE LIMITED
NATURE'S ENVOY...

Old Outer Ring Rd, 7 Block, Stage 2, Naagarabhaavi, Bengaluru, Karnataka 560072

Project Completion Certificate

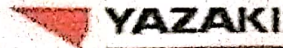
This is certify that Mr. SURAJ KUMAR bearing U.S.N 1AM19MBA35 final year MBA in Marketing Student of AMC ENGINEERING COLLEGE, BANGALORE has successfully Completed his project during 22nd February to 03rd April 2021 as a part of his course curriculum under the guidance of Prashanth.K.J Manager, Business Development at Deepa Solar Systems Pvt Ltd.

He has completed the assigned topic titled, "A study on users perception toward solar panels at houses with special focus on deepa solar system private limited" based on marketing, well within the time frame.

During the tenure we found him to be sincere, hardworking and her conduct was commendable.

For deepa solar systems pvt ltd


Deepa Solar Systems Pvt. Ltd.
Bengaluru-560072
Manager Business Development



YAZAKI INDIA PRIVATE LIMITED

CIN-U34300PN1997PTC015436

Plant Office:

Plot No.'s 314,(P), to 319,(P),
Bommasandra - Jigini Link Road,
Industrial Area, Jigini Post,
Bengaluru South, Bengaluru-560105.
Ph:- +91 80 27825153
[http : // www.yazaki-group.com](http://www.yazaki-group.com)

Date:05 April, 2021

TO WHOSOEVER IT MAY CONCERN

This is to certify that Ms. Teja B (IAM19MBA36) Student of AMC College of Engineering, Bannerghatta, Bangalore. Has completed her Internship training and project report on "Proficiencies of Training in our organization" during the period from 22nd Feb 2021 to 3rd April 2021.

During her tenure she was quite enthusiastic & shown keen interest in understanding organizational functions and the completing the tasks assigned to her.

We wish her all the best in her future assignments.

Thanks & Regards,

For Yazaki India Private Limited


Harish Shetty,

Plant Manager & HR

Registered Office: Gate No. 93, Survey No.166, High Cliff Industrial Estate, Waghali-Rahu Road,
Kesnand, Pune-412 207, Maharashtra, India. Tel. : +91 20 66315000

Date 24th April, 2021

TO WHOSOEVER IT MAY CONCERN

This is to certify that Ms. Vidhya K K (IAM19MBA38) Student of AMC College of Engineering, Bannerghatta, Bangalore. Has completed her Internship training and project report on "Study of Working Capital Management at MAXLITE AAC Block Pvt Ltd" during the period from 08th March 2021 to 23rd April 2021 and she was present for 6Weeks and completed her internship and project work as part of MBA Program.

During her tenure she was quite enthusiastic & shown keen interest in understanding organizational functions and the completing the tasks assigned to her.

We wish her all the best in her future assignments.

Unit Head



Maxlite AAC Blocks India Pvt Ltd.

MAXLITE AAC BLOCKS(INDIA) PVT LTD

Reg Office & Factory : No 31/2, Bidaraguppa, Attibele Hobli, Ankal Taluk, Bangalore - 562107



UJJIVAN SMALL FINANCE BANK

Grape garden, NO. 27, 3rd 'A' cross, 18th main, 6th block, Koramangala, Bangalore-560095, Karnataka.

DATE: 22/02/2021 TO 5/04/2021

CERTIFICATE

This is to certify that **MIS. YOGESHWARI G.N. (USN: 1AM19MBA39)** Second year **MBA (Finance)** Student of **AMC ENGINEERING COLLEGE**, she is successfully completed the Project work on **LOANS AND ADVANCES** at **UJJIVAN SMALL FINANCE BANK**, Koramangala branch Bangalore,

During the above period we observed that she has evinced keen interest in learning varies aspects of **UJJIVAN SMALL FINANCE BANK**. And acquire knowledge by loans and advance. She is found to be hard working and sincere in studying and found to be having good conduct and character.

This certificate is Issued without any prejudice and having no risk responsibility on the part of bank.





Hindustan Coco-Cola
Beverages Pvt. Ltd.

Ref. No: CC0027-2020-2021

Date: 30-April 2021

TO WHOMSOEVER IT MAY CONCERN

This is certify that Mr. PHANI KISHORE USN (1AM18MBA24) student of "AMC ENGINEERING COLLEGE BANGLORE", has successfully completed project on topic of "A STUDY ON CONSUMER PERCEPTION" at Hindustan Coca Cola Bevarages Pvt Ltd. Bidadi Plant BANGLORE, FROM 22-02-2021 TO 29-04-2021.

We wish him all the best

Asst, Manager

Hindustan Coco Cola Beverages Pvt. Ltd.,

Hindustan Coca - Cola Beverages Pvt. Ltd.

Address: No. 18, Bidadi Industrial Area, Bidadi Hobli, Ramnagar Taluk, Bangalore-562109, India.

Phone No. (91)-(80)- 27287109, 27287110, 27287111.

Website: www.coca-colaindia.com . Fax +91-22-2202684. E-Mail: rbsmchexcil@gmail.com

Mechanical Engineering Department project work 2020-21

SL. No.	Program code	Name of the student
1.	ME	Naveen N S
2.	ME	Sachin Gowda K T
3.	ME	Rishav Kumar
4.	ME	Sunil Kumar H V
5.	ME	Vinay Kumar S
6.	ME	Pratham Mandanna
7.	ME	Ayush Chandra
8.	ME	Rakshith S
9.	ME	Ajith Poojary
10.	ME	Akarsh Raj A P
11.	ME	Aravind A
12.	ME	Bilal Nazir
13.	ME	Mukundhan S
14.	ME	Syed Faizan Javeed
15.	ME	Chetan C Gowda
16.	ME	Anush R
17.	ME	Abhilash R
18.	ME	Dushyanth Gowda
19.	ME	Deepak B
20.	ME	Divya S
21.	ME	Varun N Kulkarni
22.	ME	Pavan Raj R
23.	ME	Seema Faryal
24.	ME	Faraz Khan R
25.	ME	Farhaj Murtuza M
26.	ME	Gaurav Kumar
27.	ME	Goutham S
28.	ME	Girish Kumar M
29.	ME	Harish Kumar L
30.	ME	Hussain Saab
31.	ME	Rakshith BM
32.	ME	Surya P
33.	ME	Mlik Zaid Mohammad
34.	ME	Akash G
35.	ME	Raghavendra MV
36.	ME	Tejesh R
37.	ME	Chethan Kumar

38.	ME	Yahya Fiyaz Khan
39.	ME	Akshay C M
40.	ME	Bharadwaj U
41.	ME	Shashank U
42.	ME	M Lalith Raj
43.	ME	Prashanth N
44.	ME	Rudresh' C
45.	ME	Manoj Kumar R D
46.	ME	Harsha S Tatrani
47.	ME	Shashank D P
48.	ME	Sachin M
49.	ME	Sameer Khan
50.	ME	Jithin Jose
51.	ME	Sachin
52.	ME	Nithin V
53.	ME	Prakash Singh
54.	ME	Rakshith S
55.	ME	Yogesh G
56.	ME	Issam Syed M
57.	ME	Mohammed Dastagir Siddiqui
58.	ME	MD Praweg
59.	ME	Eshwar N
60.	ME	Veerabhadraswamy N
61.	ME	Pavan Kumar N
62.	ME	Praveen G A
63.	ME	Santhosh Kumar D
64.	ME	Manoj K
65.	ME	Taqi Afsar
66.	ME	Ananda Goudar
67.	ME	MD Javeed Malik
68.	ME	Mohd Shoieb
69.	ME	Vishwas M Acharya
70.	ME	Vishal Râjpurohit
71.	ME	Manoj T S
72.	ME	Mithun M
73.	ME	Akshay N C
74.	ME	Parichit P
75.	ME	Pavan Raj
76.	ME	Harish Kumar L


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

77.	ME	Shivashankar R
78.	ME	Mohith N
79.	ME	Kaushik MR
80.	ME	Lalith Kumar DR
81.	ME	Rohan MR
82.	ME	Rachith N
83.	ME	Umesh G
84.	ME	Yeshwanth KL
85.	ME	Sachin N
86.	ME	Akarsh Raj J L
87.	ME	Dikshith B
88.	ME	Pradeep S
89.	ME	Prathik S H
90.	ME	Adarsh V
91.	ME	Dhiraj G
92.	ME	Divya G
93.	ME	Hemanth P
94.	ME	Mahendra K
95.	ME	Naveen R
96.	ME	Nikhil K C M
97.	ME	Nithinraj V D
98.	ME	Saimukund R
99.	ME	Prithvi Ponnanna K S
100.	ME	Shashidhar D K
101.	ME	Umar Nawaz Khan
102.	ME	Shahbaz Hussain
103.	ME	Keerthan N Naik
104.	ME	Preeven'Kumar Patial
105.	ME	Sandesh Naik
106.	ME	Karthik Bhagavath
107.	ME	Karthika H S
108.	ME	Tasmia Rahman
109.	ME	Mahmood Shariff
110.	ME	Manjunathan D
111.	ME	Manohar S
112.	ME	Manoj N
113.	ME	Nabeel Hussain Z
114.	ME	Nandeesh Kumar K C
115.	ME	Naveen Kumar G

Gites
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

116.	ME	Gokul M
117.	ME	Syed Yousuff Ahmed
118.	ME	Nitin Raj T M
119.	ME	Pradeep R
120.	ME	Prajwal S A
121.	ME	Rakesh Raghavendra L
122.	ME	Rakesh K
123.	ME	Rohan Gujjar
124.	ME	Saquib M
125.	ME	Aditya V Shandilya
126.	ME	Srihari N
127.	ME	Sriraj K S
128.	ME	Sudarshan S Shettigar
129.	ME	Suhas S
130.	ME	Sunil S
131.	ME	Syed Ajaz Uddin
132.	ME	Syed Asim Uddin
133.	ME	Tarun K Bhat
134.	ME	Uday Kumar R
135.	ME	Vinayak N Katagerimath
136.	ME	Vishnu Vardhan Reddy S
137.	ME	Vivek L

Girish
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

AMC ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work (Phase - II) entitled "PNEUMATIC OPERATED COCONUT HUSK REMOVER" carried by Mr. KARTHIK BHAGAVATH(1AM16ME065), Mr. MANJUNATH G(1AM15ME077), Mr. SACHIN M(1AM16ME145), Mrs. DIVYA G(1AM17ME025) bonafide student at AMC ENGINEERING COLLEGE, in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project Phase II report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of guide

Mithun Kumar C. N

(Asst. Professor)

Signature of the HOD

Dr. Girisha C.

Signature of the Principal

Dr. Girisha C

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 082.

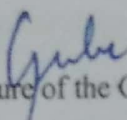
Department of Mechanical Engineering
18 km, Bannerghatta Road, Bengaluru – 560 083
2020 - 2021

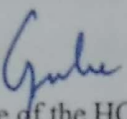
AMC ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

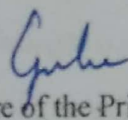


CERTIFICATE

This is to certify that the project work entitled “COMMUTER ELECTRIC BIKE WITH OFF-ROAD CAPABILITIES” carried by Mr. SRIRAJ K S (IAMI7ME417) And TARUN K BHAT (IAMI6ME176), bonafide student of AMC ENGINEERING COLLEGE, in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project Phase 1 report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Signature of the Guide
Dr. Girisha C


Signature of the HOD
Dr. Girisha C


Signature of the Principal
Dr. Girisha C

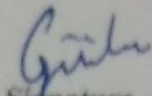
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

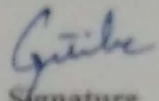


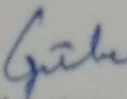
Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

CERTIFICATE

Certified that the report entitled "Automated Leafy Straw Making Machine" carried out by **Ajith Poojary** (USN: IAMI7ME007), **Akarsh Raj A P** (USN: IAMI7ME008), **Hussain SAB** (USN: IAMI7ME033), **Naveen N S** (USN: IAMI7ME053) bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.


Signature
Guide


Signature
Head of the Department


Signature
Head of the Institute

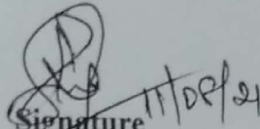
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

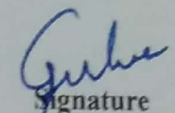


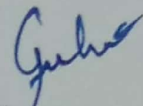
Department of Mechanical Engineering
AMC Engineering College, Bengaluru – 560 083

CERTIFICATE

Certified that the report entitled “Development and Characterization of Al6063 - F₆K₂Ti Metal Matrix Composites” carried out Mr. Jithin Jose bearing USN: 1AM15ME061, M. Lalith Raj bearing USN: 1AM16ME077, Mr. Syed Ajaz Uddin bearing USN: 1AM17ME112 and Ms. Tasmia Rahman bearing USN: 1AM17ME114 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.


Signature
Guide


Signature
Head of the Department

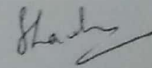

Signature
Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Expert Members:

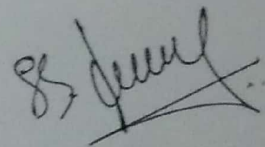
1. Name: Dr. Shanthala. K.

Signature:



2. Name: Prof. Santhosh Kumar B.K.

Signature:



August - 2021

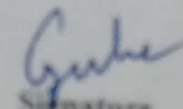


Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

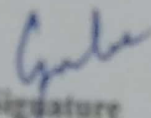
CERTIFICATE

Certified that the report entitled "EXPERIMENTATION AND OPTIMIZATION OF MACHINING PARAMETERS WHILE MACHINING TITANIUM ALLOY" carried out by Mr. Rishav Kumar bearing USN: IAMI7ME081, Mr. Sameer Khan bearing USN: IAMI7ME088 and Mr. Shahbaz Hussain bearing USN: IAMI7ME093 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.

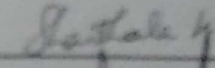

Signature
Guide

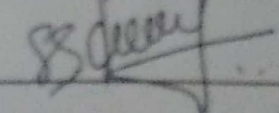

Signature
Head of the Department

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.


Signature
Head of the Institute

Expert Members:

1. Name: Shanthala K Signature: 

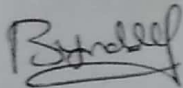
2. Name: Santhya Kumar Jc Signature: 

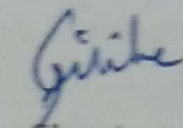


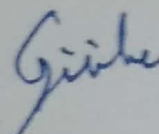
Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

CERTIFICATE

Certified that the report entitled "Effect of hot rolling on Microstructure and Wear behaviour of Al-B₄C Nano composites" Carried out FarhajMurtuza.M 1AM15ME045, Syed Faizan Javeed 1AM16ME173, Farazkhan .R 1AM18ME400, Saquib.M 1AM15ME152, bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.



Signature
Guide

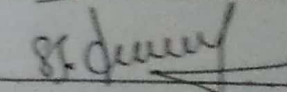

Signature
Head of the Department


Signature
Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Expert Members:

1. Name: Dr Santhala k Signature: 


2. Name: Santhakumar B K Signature: 

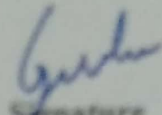


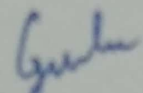
Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

CERTIFICATE

Certified that the report entitled "DEVELOPMENT AND CHARACTERIZATION OF HYBRID POLYMER COMPOSITES" carried out Mr. Mohammed Dastagir Siddiqui bearing USN: IAM15ME090, Varun Kulkarni bearing USN: IAM15ME201, Mr. Gokul M bearing USN: IAM15ME046 and Mr. Md Prawej bearing USN: IAM15ME082 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.

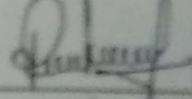

Signature
Guide

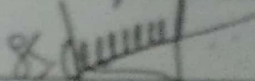

Signature
Head of the
Department


Signature
Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Expert Members:

1. Name: Dr. Premkumar Nair. Signature: 

2. Name: Santhosh Kumar B.K Signature: 



AMC
ENGINEERING COLLEGE
BENGALURU

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "AUTOMATED ARECA NUT PEELING AND SORTING MACHINE" carried out by MR. MANJUNATHAN D (1AM17ME049), MR. MUKUNDHAN S (1AM17ME049) bonafide students of AMC ENGINEERING COLLEGE, in partial fulfillment for the award of Bachelor of Engineering in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGY UNIVERSITY, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of the Guide

Dr. Girisha C

Signature of the HOD

Dr. Girisha C

Signature of the Principal

Dr. Girisha C

Signature of the Co - Guide

Prof. Madhu Mohan R

Head of Dept. of Mechanical Engg
A M C Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Name of the Examiners

Signature with Date

1. Dr. Sneeniver S

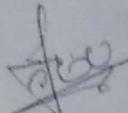
2. _____



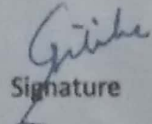
Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

CERTIFICATE

This is to certify that the report entitled "Operation of Diesel Engine Fueled With Bio-Diesel and Its Various Blends After Incorporating With Exhaust Gas Recirculation(EGR) Technique" carried out by Mr. Manoj Kumar M A bearing USN: IAM16ME088, Mr. Nikhil K C bearing USN: IAM16ME108, Mr. Rakshith B M bearing USN: IAM17ME073 and Mr. Rakshith S bearing USN: IAM17ME075 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021, have incorporated all the corrections and suggestions indicated for internal assessment. The report has been approved as it satisfies the partial requirements for the submission of external experts.

Signature 

Guide MADHU MOHAN P. S. Nataraj

Signature 

Head of the Department


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.
Signature

Head of Dept. of Mechanical Engg
A M C Engineering College
18th K.M., Bannerghatta Road.
Bangalore - 560 083.

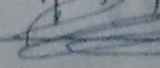
Head of the Institute

Expert Members:

1. Name: Dr. G. P. Prasad

Signature: 

2. Name: Dr. Sreenivas

Signature: 



AMC ENGINEERING COLLEGE

Department of Mechanical Engineering

CERTIFICATE

Certified that the report entitled "MODELLING AND ANALYSIS OF ATV ROLL CAGE" carried out by Mr. PRAKASH SINGH bearing USN: IAMI7ME062, Mr MD. JAVEED MALIK bearing USN: IAMI7ME043, and Mr. MOHD SHOIEB bearing USN: IAMI7ME47 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of Guide
Prof. Santosh Kumar
B K

Signature of H.O.D
Dr. GIRISHA C

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083

Signature of principal
Dr. GIRISHA C

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Expert members

1.Name: PRAKASH SINGH

signature:

2.Name: MD JAVEED MALIK

signature:

3.Name: MOHD SHOIEB

signature:

AMC Engineering College
Kalkere, Bannerughatta main road, Bangalore-560 083

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the report entitled "Study and Fabrication of Buckling Analysis Test Rig" carried out Manoj Kumar R D bearing USN: IAMI6ME089, Manoj T S bearing USN: IAMI6ME091, Mithun M bearing USN: IAMI6ME095 and Shashidhar D K bearing USN: IAMI7ME097 bona fide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belagaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.

Dr. Girisha C

Head of Department Engr
I.M.S. Engineering College
100 E.M., Bannerghatta Road
Bangalore - 560 083.
Expert Members.

Dr. A.G. Nataraj

Signature of Principle

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083

1. Name: Dr. Sneenivas Signature:

2. Name: Dr. G.P. Prasad Signature:



Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

CERTIFICATE

Certified that the report entitled "DESIGN AND FABRICATION OF BIOGAS PLANT AND TO PRODUCE BIOGAS FROM BIOWASTE" carried by Mr. SURYA P bearing USN: 1AM17ME110, Mr. MAHENDRA K bearing USN: 1AM16ME079, Mr. SACHIN GOWDA KT bearing USN: 1AM16ME144 and Mr. SUHAS S bearing USN: 1AM17ME104 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.

Signature
Guide

(Rakesh T.G.)

Signature

Head of the Department

Head of Dept. of Mechanical Engg
A M C Engineering College
18th K.M., Bannerghatta Road.
Bangalore - 560 083.

Signature

Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Expert Members:

1. Name: SHANTHALA K

2. Name: Santhosh Kumar BK

Signature: Shanthala K

Signature: 83. Santhosh Kumar BK

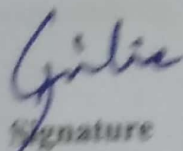


Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560083

CERTIFICATE

Certified that the report entitled "Rocker-Bogie for Multi-purpose Applications" carried out by Mr. Bilal Nazir bearing USN: 1am17me017, Mr. Malik Zaid bearing USN: 1am16me082, and Mr. Syed Issam bearing USN: 1am16me417, bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.


Signature
Guide


Signature
Head of the Department


Signature
Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083

Expert Members:

1. Name: Dr. Sreenivas Signature: 

2. Name: _____ Signature: _____



CERTIFICATE

This is to certify that the project work entitled "DESIGN AND FABRICATION OF AUTOFEED DAMPED EARTH AUGER" carried by Mr. YASHWANTH S (1AM16ME189), Mr. SHASHANK U (1AM17ME096), Mr. YAHYA FIYAZ KHAN (1AM17ME127) and Mr. YOGEEESH G (1AM17ME128), bonafide students of AMC ENGINEERING COLLEGE, in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of the Guide

Prof. RUDRA KS

Signature of the HOD

Dr. GIRISH AC

Signature of the Principal

Dr. A.G. NATARAJ


PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

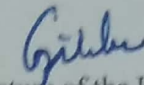


CERTIFICATE

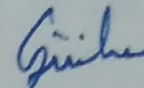
This is to certify that the project work entitled "SMART HYBRID VEHICLE MOBILITY USING ARTIFICIAL INTELLIGENCE" carried by Mr. HARISH KUMAR L (IAM17ME031), Mr. PAVAN RAJ R (IAM17ME058), Mr. PRADEEP S (IAM17ME059) and Mr. PRATHAM B.K (IAM16ME126), bonafide students of AMC ENGINEERING COLLEGE, in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Signature of the Guide

PROF. MADHUMOHAN R


Signature of the HOD

Dr. GIRISHA C


Signature of the Principal

Dr. GIRISHA C

Head of Dept. of Mechanical Engg
A M C Engineering College
18th E.M., Bannerghatta Road
Bangalore - 560 083

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Name of the Examiners

1. Shanthala k

2. Santhosukumar B.K.

Signature with date

Shanthala k

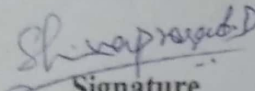
S. Santhosukumar B.K.

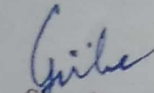


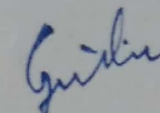
Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

CERTIFICATE

Certified that the report entitled "STUDY OF WEAR BEHAVIOUR OF NICKEL METAL MATRIX COMPOSITES BY CHILL CASTING METHOD" carried out Mr. Akash G bearing USN: 1AM17ME009, Akshay N C bearing USN: 1AM17ME010, Prashanth N bearing USN: 1AM17ME064 and Prathik S H bearing USN: 1AM17ME065 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.



Signature
Guide

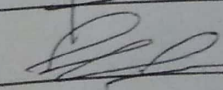

Signature
Head of the
Department


Signature
Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Expert Members:

1. Name: Dr. G. P. Prasad Signature: 

2. Name: Dr. Sreenivas Signature: 

AMC ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work "SMART ROBOTIC LAWN MOWER" Carried by Mr. ABHILASH R (IAMI7ME002), Mr. ESHWAR N(IAMI7ME027), Mr. HEMANTH P(IAMI7ME032) and Mr. PRITHVI PONNANNA K S(IAMI7ME068), Bonafide students of AMC ENGINEERING COLLEGE, in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Shanthala K
Signature of the Guide
Dr. SHANTHALA K
Prof. SHIVAPRASAD D

Girisha
Signature of the HOD
Dr. GIRISHA C

Girisha
Signature
Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BANGALURU - 560 083.

Expert Members:

1. Name: Dr - G. P. Prasad
2. Name: Dr - Sreenivas

Signature: *G. P. Prasad*
Signature: *Sreenivas*



Department of Mechanical Engineering
AMC Engineering College, Bengaluru – 560 083

CERTIFICATE

Certified that the report entitled "DESIGN AND DEVELOPMENT OF SMART GYRO ROBO" carried out Mr. Mohammed Nabeel Hussain bearing USN: 1AM17ME144, Mr. Mohammed Taqi Afsar bearing USN: 1AM17ME045, Mr. Ayush Chandra bearing USN: 1AM17ME015 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.

Shanthala

Signature
Guide

Guide

Signature
Head of the Department

Guide

Signature
Head of the Institute

Expert Members:

1. Name: Dr. Sreenivas Signature: *[Signature]*

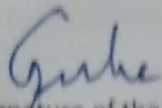
2. Name: Byrappa B Signature: *[Signature]*

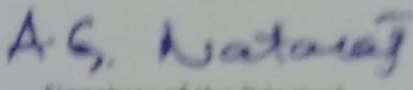
AMC ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING



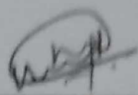
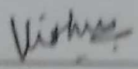
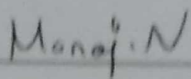

CERTIFICATE

This is to certify that the project work (Phase - I) entitled "Bio compatible, long time storable and leak proof coatings for internal cavity of biodegradable bottles," carried by Mr. VIVEK L (IAM17ME126), Mr. VISHNU VARDHAN REDDY (IAM17ME125), Mr. MANOJ N (IAM18ME404) and Mr. RAKESH RAGHAVENDRA L (IAM18ME409), bonafide students of AMC ENGINEERING COLLEGE, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technology University, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project Phase 1 report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


Signature of the HOD
Dr. Girisha C


Signature of the Principal
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Student signature

1. Vivek L 
2. Vishnuvardhan reddy S 
3. Manoj N 
4. Rakesh Raghavendra L 



Department of Mechanical Engineering
AMC Engineering College, Bengaluru – 560 083

CERTIFICATE

This is to certify that the report entitled "Operation of Diesel Engine Fueled With Bio-Diesel and Its Various Blends After Incorporating With Exhaust Gas Recirculation(EGR) Technique" carried out by Mr. Manoj Kumar M A bearing USN: 1AM16ME088, Mr. Nikhil K C bearing USN: 1AM16ME108, Mr. Rakshith B M bearing USN: 1AM17ME073 and Mr. Rakshith S bearing USN: 1AM17ME075 bonafide students of **Mechanical Engineering** in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year **2020-2021**, have incorporated all the corrections and suggestions indicated for internal assessment. The report has been approved as it satisfies the partial requirements for the submission of external experts.

Signature

Guide MADHU MOHAN

Signature

Head of the Department

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Signature

Head of Dept. of Mechanical Engg
A M C Engineering College
18th K.M., Bannerghatta Road.
Bangalore - 560 083.

Head of the Institute

Expert Members:

1. Name: Dr. G. P. Prasad

Signature:

2. Name: Dr. Sreenivas

Signature:

09/08/21

AMC ENGINEERING COLLEGE, BENGALURU-560083
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "AUTOMATIC SHUTTER CONTROL SYSTEM"

carried by **Mr. PRAJWALS S A (1AM17ME061), Mr. RACHITH N (1AM17ME071), Mr. RUDRESH C (1AM17ME084) and Mr. VEERABHADRASWAMY N (1AM17ME120),**

bonafide students of **AMC ENGINEERING COLLEGE**, in partial fulfilment for the award of **Bachelor of Engineering in Mechanical Engineering** of the **Visvesvaraya Technology University, Belagavi** during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of the Guide

MR. VINOD NAIK R

Signature of the HOD

Dr. GIRISHA C

Signature of the Principal

Dr. A.G. NATARAJ

**PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.**

AMC ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "Recycling PET (polyethylene terephthalate) single use plastic bottles in to 3D Printer raw material by modified dispenser of 3D Printer" carried out by Mr TEJESH R (IAM15ME196), Mr SURAJ TP (IAM17EE030) bonafide student of AMC ENGINEERING COLLEGE, in partial fulfilment for the award of Bachelor of Engineering in MECHANICAL ENGINEERING AND ELECTRICAL & ELECTRONICS ENGINEERING of the VISVESVARAYA TECHNOLOGY UNIVERSITY, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature
guide

Madhu mohan . R

Signature

Head of Institute

Signature

Head of department

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Expert Members:


Signature:

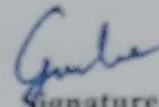


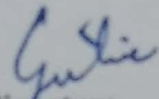
Department of Mechanical Engineering
AMC Engineering College, Bengaluru – 560 083

CERTIFICATE

Certified that the report entitled "Development and Characterization of Plasma Spray Coating of Cr_2C_2 on Low Carbon Steel Substrate" carried out Mr. Rohan M R bearing USN: IAMI7ME082, Mr. Saimukund R bearing USN: IAMI7ME087, Mr. Sudarshan S Shettigar bearing USN: IAMI7ME103 and Mr. Vinay Kumar S bearing USN: IAMI7ME122 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.

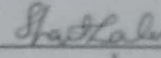

Signature
Guide

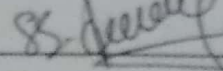

Signature
Head of the Department


Signature
Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083

Expert Members:

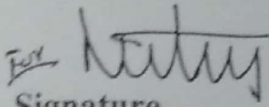
1. Name: Dr. Shankar K Signature: 

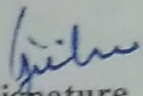
2. Name: Sarathkumar N Signature: 



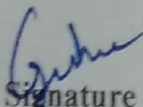
CERTIFICATE

Certified that the report entitled "DESIGN AND FABRICATION OF JAGGERY MACHINE" carried out Mr. Dikshith B bearing USN: 1AM17ME024, Mr. Naveen R K bearing USN: 1AM17ME054, Mr. Adarsh V bearing USN: 1AM17ME004 and Mr. Manoj Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.



Signature
Guide

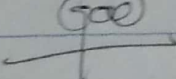

Signature
Head of the Department

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.


Signature
Head of the Institute

Expert Members:

1. Name: Dr. Sreenivas S Signature: 

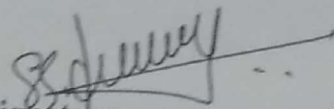
2. Name: Dr. G. P. Prasad Signature: 

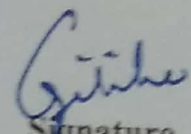


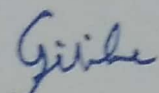
Department of Mechanical Engineering
AMC Engineering College, Bengaluru – 560 083

CERTIFICATE

Certified that the report entitled "FABRICATION OF WASTE PLASTIC BRICK MAKING MACHINE" carried out Mr. Chethan Kumar R bearing USN: 1AM17ME021, Mr. Nithin V bearing USN: 1AM17ME055, Mr. Pavan Kumar N bearing USN: 1AM17ME057 and Mr. Dushyanth Gowda bearing USN: 1AM17ME026 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.


Signature
Guide


Signature
Head of the Department
Head of Dept. of Mechanical En
A M C Engineering College
18th K.M., Bannerghatta Road
Bengaluru - 560 083.


Signature
Head of the Institute

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083

Expert Members:

1. Name: Dy Shanthala K Signature: Shanthala K
2. Name: Santhosh Kumar B.K Signature: SSD



CERTIFICATE

This is to certify that the project work entitled "**DESIGN AND FABRICATION OF SMALL-SCALE SUGARCANE HARVESTING MACHINE**" carried by **Mr. RAKESH K (1AM18ME408), Mr. NAVEEN KUMAR G (1AM18ME406), Mr. UDAY KUMAR R (1AM17ME116) and Mr. GIRISH KUMAR M (1AM18ME401)**, bonafide students of **AMC ENGINEERING COLLEGE**, in partial fulfilment for the award of **Bachelor of Engineering in Mechanical Engineering** of the **Visvesvaraya Technology University, Belagavi** during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. This Project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of the Guide

Prof. RUDRA K S

Signature of the HOD

Dr. GIRISHA C

Head of Dept. of Mechanical Engg.
A M C Engineering College
18th K.M., Bannerghatta Road,
Bangalore - 560 083.

Signature of the Principal

Dr. A.G. NATARAJ

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.


August - 2021

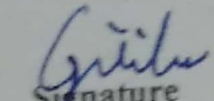


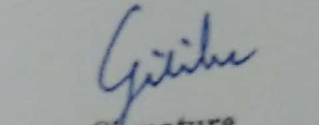
Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

CERTIFICATE

Certified that the report entitled "DESIGN AND DEVELOPMENT OF INVELOX WIND POWER GENERATION SYSTEM" carried out Mr. SACHIN N, bearing USN: IAM17ME086, SANTHOSH KUMAR D bearing USN: IAM17ME090, Mr. SHASHANK DP bearing USN: IAM17ME094 bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Belgaum during the year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The report has been approved as it satisfies the partial requirements for the submission of external experts.


Signature
Guide

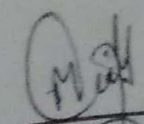

Signature
Head of the
Department


Signature
Head of the Institute

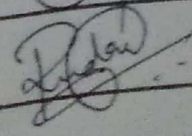
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Expert Members:

1. Name: Manjunath C

Signature: 

2. Name: R. Anand K. S

Signature: 

AMC Engineering College
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "EVALUATION OF THE STRENGTH AND WEAR PROPERTIES OF A16061/B4C COMPOSITES FOR FRICTION STIR WELDING" is a bonafide work carried by Nithin Raj V D (1AM17ME131), Umesh G (1AM17ME117), Aditya V S (1AM17ME129), Seema Faryal (1AM17ME092), student of AMC ENGINEERING COLLEGE, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the VISVESVARAYA TECHNOLOGY UNIVERSITY, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions recommended for the seminar topic have been incorporated in the report. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the Bachelor Degree in Engineering.

Signature of Guide
(Prof. Manjunatha .C)

Signature of HOD
(Dr. Girisha C)

Signature of Principal
(Dr. A.G. Nataraj)

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

Signature with Date

Name of Examiner

1. Manjunatha .C

2. Rudra K.S

11/08/21



Department of Mechanical Engineering
AMC Engineering College, Bengaluru - 560 083

CERTIFICATE

This is to Certify that the report entitled "DESIGN AND FABRICATION OF WIND TREE BY USING VERTICAL AXIS WIND TURBINES" carried out by Mr. SACHIN bearing USN: LAM17ME085, Mr. PRAVEEN G A bearing USN: LAM17ME066, Mr. SHIVASHANKAR, R bearing USN: LAM17ME100 and Mr. SUNILKUMAR H V bearing USN: LAM17ME106, bonafide students of Mechanical Engineering in AMC Engineering College of the Visvesvaraya Technological University, Bengaluru during the year 2020-2021. It has incorporated all the corrections and suggestions indicated for internal assessment.

Guide
Signature

Guide
Head of Dept. of Mechanical Engg
AMC Engineering College
36 E.M. Bannerghatta Road
Bengaluru - 560 083

Head of the Department
Signature

Head of the Department

A. G. Nataraj

Signature
Head of the Institute

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BENGALURU - 560 083.



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ENGINEERING COLLEGE
BENGALURU

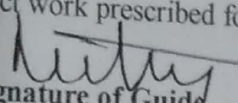
AMC Engineering College

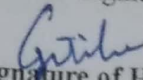
18th K.M. Bannerghatta Road, Kalkere, Bengaluru - 560083

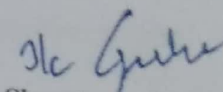
DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS AND CHARACTERIZATION OF MECHANICAL AND TRIBOLOGICAL PROPERTIES OF AL2195 AND B4C COMPOSITE" is a bonafide work carried by GAUTHAM S (IAM16ME047), AKSHAY C M (IAM16ME016), BHARADWAJ U (IAM16ME030), HARSHA S TATRANI (IAM16ME051), student of AMC ENGINEERING COLLEGE, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the VISVESVARAYA TECHNOLOGY UNIVERSITY, Belagavi during the year 2020-2021. It is certified that all corrections/suggestions recommended for the seminar topic have been incorporated in the report. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the Bachelor Degree in Engineering.


Signature of Guide
(Prof. Mithun Kumar C N)



Signature of HOD
(Dr. Girisha C)

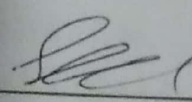

Signature of Principal
(Dr. Girisha C)
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.

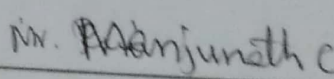
Head of Dept. of Mechanical Engg
AMC Engineering College
18th K.M., Bannerghatta Road
Bangalore - 560 083.

Signature with Date

Name of Examiner

1. 

2.  11/08/21



Dr. Sreenivas

AMC ENGINEERING COLLEGE

Affiliated to VTU, Belagavi, Approved by AICTE, Accredited by NAAC, New Delhi

#18th km, Bannerghatta Road, Kalkere, Bengaluru-83

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “An efficient and modified VLSI implementation of CDF 5/3 architecture for image processing application” is carried out by Mrs. SALEEMA, bearing USN:19LVS02, a bonafide student of AMC Engineering College, Bangalore, in partial fulfillment for the award of degree of Master of Technology in VLSI DESIGN & EMBEDDED SYSTEMS from the Visvesvaraya Technological University, Belagavi during the year 2020- 2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Project Report has been approved as it satisfies the academic requirements with respect to internship work prescribed for the said degree.

Signature of the Guide

Dr. R. ARUNA
Associate Professor
Dept.of ECE.
AMC Bengaluru

Signature of the HOD

Dr. T. KAVITHA
Head of the Department
Dept.of ECE.
AMC Bengaluru

Signature of the Principal

Dr. C. GIRISHA
Principal
AMC Engg College
Bengaluru

PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083

External Viva

Name of the examiners

1. _____
2. _____

Signature with date

