

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "CLASSROOM AUTOMATION BY USING ARDUINO" is a confide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electrical.

Submitted by

Mr. GOPAL G. HATWAR
Miss. MANASI R. KHOBRAGADE
Miss. PRAGATI S. CHAPARIYA
Mr. HARSHAVARDHAN B. CHAVHAN

Prof. Dr. V.G. Neve
Project Guide
Elect. Engg. Dept.

Prof. Dr. V.G. Neve
H.O.D. of
Elect. Engg. Dept.

Dr. H. M. Baradkar
Principal,
J.C.E.T., Yavatmal.



Dr. Hemant
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "RAILWAY TRACK CRACK DETECTION BY USING IOT" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electrical.

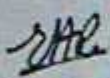
Submitted by


Miss. Dakshata S. Vilayatkar


Miss. Swati P. Rathod

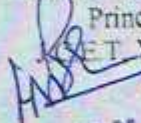
Miss. Vaishnavi D. Shende

Miss. Payal G. Dafar


Prof. E. A. Rangari
Project Guide
Elect. Engg. Dept.


Prof. Dr. V. G. Neve
H.O.D. of
Elect. Engg. Dept.


Dr. H. M. Baradkar
Principal,
J.E.T. Yavatmal.


Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal



JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "Fault Detection Of Three Phase Transmission Line By Using Artificial Neural Network" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electrical.


Submitted by

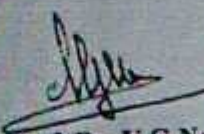
Miss. Pooja H. Chaudhari


Miss. Ayushi A. Gugaliya

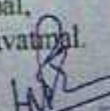
Miss. Bhakti D. Chawhan

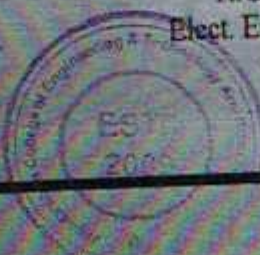
Miss. Kalyani V. Ghagi


Prof. P.V. Pullawar
Project Guide
Elect Engg Dept.


Prof. Dr. V.G. Neve
H.O.D. of
Elect. Engg Dept.


Dr. H. M. Baradkar
Principal,
J.C.E.T, Yavatmal.


Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Yavatmal - 445001



JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "MONITORING OF TRANSFORMER PARAMETERS USING IOT IN SMART GRID" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electrical.

Submitted by

Mr. Shashank R. Saindanvise

Miss. Mrunali M. Meshram

Miss. Dnyaneshwari V. Ingole

Miss. Vibha G. Dhengale

Miss. Monika Y. Utane

Prof. M. D. Hedau
Project Guide
Elect. Engg. Dept.

Prof. Dr. V. G. Neve
H.O.D. of
Elect. Engg. Dept.

Dr. H. M. Baradkar
Principal,
J.C.E.T, Yavatmal.



Dr. Hemant W. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal.

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "HYBRID BICYCLE" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electrical.

Submitted by

Mr. Atul B. Gawande

Mr. Anup R. Bhusari

Mr. Runil M. Chavan

Mr. Rupam D. Keote

Mr. Bhushan A. Mahendrakar

Prof. P.S. Wankhade

Project Guide

Elect. Engg. Dept.

Dr. V.G. Neve

H.O.D. of

Elect. Engg. Dept.

Dr. H. M. Baradkar

Principal,

Jagadamba College of Engineering & Technology, Yavatmal.



Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering & Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "DESIGN & FABRICATION OF LIM FOR MAGLEV TRAIN" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electrical.

Submitted by

Mr. Swapnil P. Jaiswal

Mr. Prashik H. Khobragade

Mr. Gaurav N. Shinde


Mr. Mahesh D. Murkhe

Mr. Praful M. Meshram


Prof. A. A. Zade


Project Guide

Elect. Engg. Dept.


Prof. Dr. V. G. Neve

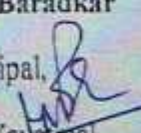
H.O.D. of

Elect. Engg. Dept


Dr. H. M. Baradkar

Principal,

J.C.E.T, Yavatmal.


Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering & Technology
Yavatmal

A
PROJECT REPORT
ON
“AUTOMATIC UNDER AND OVER VOLTAGE
PROTECTION”

In Partial Fulfillment of the Requirement for the Bachelor Degree in Electrical
Engineering

Submitted By

Mr. AKSHAY G. KARNEWAR

Mr. BHUSHAN S. PANCHBUDHE

Mr. ANIKET N. LILHARE

Mr. AMOL G. RAUT

Mr. SOHAIL K. KHAN


Under the Guidance of
Prof. P. H. KADAM



DEPARTMENT OF ELECTRICAL ENGINEERING
JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL-445001



2018 - 2019


Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "SUBSTATION PARAMETER CONTROLLING BY USING RASPBERRY-PI" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electrical.

Submitted by

Mr. Onkar M. Revanwar

Ms. Rucha M. Masram

Ms. Ankita S. Choudhari

Ms. Kalyani D. Joshi

Prof. S.A. Shriwas
Project Guide
Elect. Engg. Dept.

Pro. Dr. V.G. Neve
H.O.D. of
Elect. Engg. Dept.

Pro. Dr. H. M. Baradkar
Principal,
J.C.E.T, Yavatmal.



Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Yavatmal.

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "Feeder Protection Using Microcontroller" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electrical.

Submitted by

Mr. Gaurav P. Bankar

Miss Pragati U. Deshmukh

Miss Sunayna S. Daware

Mr. Suraj G. Borkar

Prof. A. B. Tayade
Project Guide
Elect. Engg. Dept.

Dr. V. G. Neve
H.O.D. of
Elect. Engg. Dept.

Dr. H. M. Baradkar
Principal,
E.T., Yavatmal.



Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Am Road, Kihhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "RC DRONE QUADCOPTER AS SPY CAM" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.

Submitted by

Miss. Vaishnavi P. Landge

Miss. Pranali S. Punse

Mr. Shubham S. Jayapurkar

Miss. Swati S. Patil

Prof. A. A. Chincholkar

Guide

E & TC Engg. Dept.

Prof. S. D. Kale

Project Co-ordinator

E & TC Engg. Dept.

Dr. A. D. Shelotkar

H.O.D.

E & TC Engg. Dept.

Dr. H. M. Baradkar

Principal,

J.E. Yavatmal

Dr. Hemant M. Baradkar
Principal

Jagadamba College of Engineering & Technology, Yavatmal



JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "IDENTIFICATION OF DIABETES USING ARTIFICIAL INTELLIGENCE TECHNIQUE" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.

Submitted by

Miss. Rupali P. Nagpure

Miss. Swati C. Bhongade

Miss. Ritu M. Sabu

Miss. Ashwini R. Shepurwar

Prof. S. D. Kale
Project Guide & Co-ordinator
E&TC Engg. Dept.

Dr. A. D. Shelotkar
H.O.D. of
E&TC Engg. Dept.

Dr. H. M. Baradkar
Principal,
J.E., Yavatmal.



Dr. Hemant M. Baradkar
Principal

Jagadamba College of Engineering &
Technology, Arni Road, Kinkhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "FACIAL RECOGNITION BASED DOOR ACCESS AND SECURITY SYSTEM USING RASPBERRY PI" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.

Submitted by

Miss. Dhanashri S. Bhong

Miss. Tejaswini P. Devhare

Mr. Mayur R. Raut

Miss. Pravita V. Onkar

Prof. A. R. Dudhe

Guide

E&TC Engg. Dept.

Prof. S. D. Kale

Project Co-ordinator

E&TC Engg. Dept.

Dr. A. D. Shelotkar

H.O.D.

E&TC Engg. Dept.

Dr. H. M. Baradkar

Principal,

J.E. Yavatmal



Dr. Hemant Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA BAHUUDDESHIYA GRAMIN VIKAS SANSTHA'S
JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

Electronics & Telecommunication Engineering Department



CERTIFICATE

This is to certify that the dissertation entitled "GSM BASED SCROLLING NOTICE BOARD" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication Engineering.

Submitted By:


Mr. Lohit H. Kamble
Mr. Virag R. Gautre

Mr. Amol U. Hanwate
Miss. Akshata P. Ugemuge


Prof. V. K. Barbudhe
Project Guide
Assistant Professor
Electronics &
Telecommunication
Engineering


Prof. S. D. Kale
Project Co-ordinator
Electronics &
Telecommunication
Engineering


Dr. A. D. Shelotkar
H.O.D.
Electronics &
Telecommunication
Engineering


Dr. H. M. Baradkar
Principal
J. E., Yavatmal


Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kirni, Yavatmal



**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001**



CERTIFICATE

This is to certify that the dissertation entitled "FLOWER DROPPING USING RC DRONE QUADCOPTER" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.

Submitted by

Miss. Nayan A. Bais

Miss. Vaishnavi S. Rohankar

Miss. Pragati K. Gulhane

Miss. Komal G. Mate

Prof. S. D. Kale

Project Co-ordinator

E&TC Engg. Dept.

Dr. A. D. Shelotkar

Guide & H.O.D.

E&TC Engg. Dept.

Dr. H. M. Baradkar

Principal,

J.E. Yavatmal



Dr. Hemant M. Baradkar
Principal

Jagadamba College of Engineering &
Technology, Arsi Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "Bus Safety System For School Children By Using RFID And GSM Modem" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.

Submitted by

Mr. Amol N. Raut

Miss. Vaishnavi P. Jamode

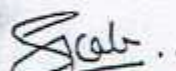
Miss. Vaishnavi R. Deshmukh

Mr. Vikas S. Jambhulkar


Prof. P. R. PATIL

Guide

E&TC Engg. Dept.



Prof. S. D. Kale

Project Co-ordinator
E&TC Engg. Dept.

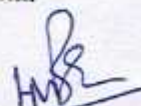

Dr. A. D. Shelotkar

H.O.D.

E&TC Engg. Dept.


Dr. H. M. Baradkar
Principal,
J.E. Yavatmal




Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal,

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "Animal Detection in Farm Area using Arduino" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.

Submitted by


Mr. Sameer D. Sawale

Mr. Akash D. Ganthade

Miss. Tejaswini O. Kowale

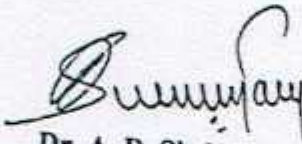
Miss. Mayuri N. Aglawe

Miss. Payal G. Bawane


Prof. S. D. Kale

Project Guide & Co-ordinator

E&TC Engg. Dept.


Dr. A. D. Shelotkar

H.O.D.

E&TC Engg. Dept.



Dr. H. M. Baradkar

Principal,

J..E., Yavatmal




Dr. Hemant M. Baradkar
Principal,
Jagadamba College of Engineering &
Technology, Arani Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001



CERTIFICATE

This is to certify that the dissertation entitled "WOMEN SECURITY SYSTEM USING RASPBERRY PI" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.

Submitted by

Miss. Monika S. Gujar

Mr. Akshay N. Bodade

Mr. Akshay E. Randive

Miss. Pooja A. Girpunje

Miss. Mayuri D. Mankar

Ravi

Prof. R. S. Shriwas

Guide

E&TC Engg. Dept.

S.D. Kale

Prof. S. D. Kale

Project Co-ordinator

E&TC Engg. Dept.

Dr. A. D. Shelotkar

Dr. A. D. Shelotkar

H.O.D.

E&TC Engg. Dept.

Dr. H. M. Baradkar

Dr. H. M. Baradkar

Principal,

J.E.T, Yavatmal



Dr. H. M. Baradkar
Dr. H. M. Baradkar
Principal,
Jagadamba College of Engineering &
Technology, Ami Road, Kithi, Yavatmal



CERTIFICATE

This is to certify that the dissertation entitled "Foot Step Power Generation Using Piezoelectric Transducer" is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.

Submitted by

Miss. Kajal B. Ladhe

Miss. Dimpal W. Hatware

Miss. Rakhi P. Sontakke

Miss. Shamal A. Kakas

Prof. V. R. Thakare

Guide

EXTC Engg. Dept.

Prof. S.D. Kale

Project Co-ordinator

EXTC Engg. Dept.

Dr. A. D. Shelotkar

H.O.D.

EXTC Engg. Dept.

Dr. H. M. Baradkar

Principal

J.E., Yavatmal

Dr. H. M. Baradkar
Principal

Jagadambha College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal



JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "MULTIPLE CAR PARKING SYSTEM BY USING MECHANISM" has been successfully completed by **DISHUL DIPAK RAUT, AJAY D. CHAVHAN, PAVAN P. DHORE, AKASH RAJENDRA DOLASKAR** under the guidance of **DR. V. L. BHAMBERE** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadambha College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Dr. V. L. Bhambere
Associate Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept
Jagadambha College of Engineering
& Technology, Yavatmal.

Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Yavatmal.



Dr. Hemant N. Baradkar
Principal
Jagadambha College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled “**DESIGN AND DEVELOPMENT OF DRONE CONVEYOR**” has been successfully completed by **AKASH UMESHCHANDRA LAD, KARTIK DEVIDAS GULHANE, PRANAY SANJAY HASTE, MANOJ R. RATHOD** under the guidance of **PROF. A. B. DHUMANE** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at “Jagadamba College of Engineering & Technology Yavatmal – 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. A. B. Dhumane
Assistant Professor

Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadamba College of Engineering
& Technology, Yavatmal

Dr. H. M. Baradkar
Principal
Jagadamba College of Engineering
& Technology, Yavatmal

Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering
& Technology, Amri Road, Kinhi, Yavatmal



JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "ACETYLENE GAS AS A ALTERNATIVE FUEL FOR 4 STROKE PETROL ENGINE" has been successfully completed by PAWAN GAJANAN NAVADE, SWAPNIL DIGAMBER KALE, PIYUSH NARESH GHODMARE, PIYUSH RAMESHWAR BICHKUNDE, RUPESH PRAKASH SAWALE, SANTOSH B. CHAUHAN under the guidance of PROF. K. N. KALASPURKAR in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadambha College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. K. N. Kalasapurkar
Assistant Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadambha College of Engineering
& Technology, Yavatmal

Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Yavatmal



Dr. Hemant M. Baradkar
Principal

Jagadambha College of Engineering & Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled “**DESIGN AND DEVELOPMENT AUTOMATIC WALL PAINTING MACHINE**” has been successfully completed by **KU. RUPALI S. CHAUDHARI, SHAIKH ASIM SHAIKH SHAMI, TUSHAR PRAMOD FENDAR, MOHIT V. KHODKE**, under the guidance of **PROF. P. H. MESHRAM** in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at “Jagadambha College of Engineering & Technology Yavatmal – 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. P. H. Meshram
Assistant Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadambha College of Engineering
& Technology, Yavatmal.

Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Yavatmal.



Dr. Hamant M. Baradkar
Principal
Jagadambha College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,

YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "DESIGN AND DEVELOPMENT OF AUTOMATIC SHOE POLISHING AND SOLE CLEANING MACHINE" has been successfully completed by HRUSHIKESH S. INGOLE, AKSHAY B. GAWANDE, HEMANT D ZORE, PANKAJ GOVIND VERMA, ROSHAN RAVIKUMAR JAISWAL, JAYPAL V. RATHOD under the guidance of PROF. H. V. INGOLE in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadambha College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. H. V. Ingole
Assistant Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadambha College of Engineering
& Technology, Yavatmal

Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Yavatmal



Dr. Hemant M. Baradkar
Principal
Jagadambha College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "STUDY OF CHARACTERIZATION OF SILICON ZINC SOLAR CELLS" has been successfully completed by AJAY DEVIDAS NIKURE, ANKUSH MURLIDHAR RAUT, PRITAM S. BANDURKAR, YOGENDRA S. BHADAURIA under the guidance of PROF. V. R. PANNASE in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadambha College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. V. R. Pannase
Assistant Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadambha College of Engineering
& Technology, Yavatmal

Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Yavatmal



Dr. Hemant Baradkar
Principal
Jagadambha College of Engineering &
Technology, Amri Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,

YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "DIAGNOSIS THROUGH DESIGN AND ANALYSIS OF GINNING AND PRESSING SPARES" has been successfully completed by KRISHNA UTTAM GARJE, SURAJ RAMKRISHNA YEMBADWAR, RITESH N. JHA, RUSHIKESH SIDDHESHWAR PATURKAR, VIKRANT V. KHODE under the guidance of PROF. M. A. PACHKAWADE in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadambha College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)


Prof. M. A. Pachkawade


Assistant Professor

Department of Mechanical Engineering


Dr. V. L. Bhambere

HOD, Mechanical Engg. Dept.


Jagadambha College of Engineering
& Technology, Yavatmal.


Dr. H. M. Baradkar

Principal

Jagadambha College of Engineering
& Technology, Yavatmal.




Dr. Hemant M. Baradkar
Principal

Jagadambha College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,

YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "SOLAR CAMPUS BICYCLE FOR IN CAMPUS TRANSPORTATION SYSTEM TO CARRY UPTO 65 KG LAOD" has been successfully completed by RUSHIKESH DIGAMBER PAKHALE, JUNED KHAN ZAMIRULLAH KHAN, SAJID KHAN PATHAN, AKHIL ARUN RAUT, PRANIT ASHOK RAMTEKE under the guidance of PROF. A. M. SHENDE in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadamba College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. A. M. Shende
Assistant Professor

Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadamba College of Engineering
& Technology, Yavatmal.

Dr. H. M. Baradkar
Principal
Jagadamba College of Engineering
& Technology, Yavatmal.



Dr. H. M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "DESIGN AND TEST OF FLEXIBLE CHASSIS AUTOMATIC TRACKING STEERING SYSTEM" has been successfully completed by ARBAZ RIYAZ BEHLIM, KU. SANCHITA T. GULHANE, SHAHJAD KHAN AHMAD KHAN, VAIBHAC VILAS JATHE under the guidance of PROF. P. H. RATHOD in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadambha College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. P. H. Rathod
Assistant Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadambha College of Engineering
& Technology, Yavatmal.

Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Yavatmal



Dr. Hemant M. Baradkar
Principal
Jagadambha College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING
SESSION 2018-2019

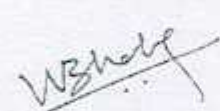



CERTIFICATE

This is to Certify that the project report entitled "INVESTIGATION OF ALTERNATIVE FOR L.P.G. FOR HOUSEHOLD USE" has been successfully completed by PRANIT ONKAR BORKAR, ATUL SUDHAKAR SHIWARE, CHETAN V. ATRAM, SHUBHAM SHIVAJI KALE, PAWAN D TONCHAR under the guidance of PROF. R. R. MISHRA in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadambha College of Engineering & Technology Yavatmal - 445001, (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)


Prof. R. R. Mishra
Assistant Professor

Department of Mechanical Engineering


Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadambha College of Engineering
& Technology, Yavatmal.


Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Yavatmal.




Dr. Hemant M. Baradkar
Principal

Jagadambha College of Engineering &
Technology, Amravati Road, Kinkh, Yavatmal.

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019

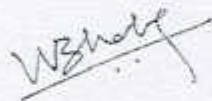



CERTIFICATE

This is to Certify that the project report entitled "3D PRINTER" has been successfully completed by VAIBHAV BALIRAMJI UGEMUGE, MITHILESH S. LANGOTE, SWAPNIL VIJAY BHONGADE, VAIBHAV PRAKASH GARSE under the guidance of PROF. S. A. AJMIRE in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadamba College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)



Prof. S. A. Ajmire
Assistant Professor

Department of Mechanical Engineering


Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadamba College of Engineering
& Technology, Yavatmal


Dr. H. M. Baradkar
Principal
Jagadamba College of Engineering
& Technology, Yavatmal




Dr. Hemanth M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "SOLAR POWERED MULTIPAL GRASS CUTTER" has been successfully completed by GAURAV PRAKASH WARAMBHE, PRADIP P JADHAO, VAIBHAV RAMRAO ZILE, RAHUL PRADIP PATHADE, ANAND RAJESH GAIKWAD under the gujdance of PROF. B. K. CHAVHAN in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadamba College of Engineering & Technology Yavatmal – 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. B. K. Chavhan
Assistant Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadamba College of Engineering
& Technology, Yavatmal.

Dr. H. M. Baradkar
Principal
Jagadamba College of Engineering
& Technology, Yavatmal.



Dr. H. M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Amri Road, Kham, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,

YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "EXPERIMENTATION OF SOLAR OPERATED COOLING AND REFRIGERATION SYSTEM" has been successfully completed by BHARAT KISHOR PARDHI, KISHOR CHANDU ZILADWAR, AMIT CHINDJUJI KAWADE, PRANAY KESHAV CHAUDHARI under the guidance of PROF. A. B. SAMARTH in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadambha College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. A. B. Samarth
Assistant Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadambha College of Engineering
& Technology, Yavatmal

Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Yavatmal



Dr. Hemant M. Baradkar
Principal
Jagadambha College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2018-2019



CERTIFICATE

This is to Certify that the project report entitled "DESIGN AND FABRICATION OF COOLING TOWER" has been successfully completed by SHUSHIL R. JADHAO, ADITYA VILAS BORKAR, SWAPNIL V. BHONGADE, PRAVIN D. NAIK under the guidance of PROF. V. D. VATTAMWAR in recognition to the partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering at "Jagadamba College of Engineering & Technology Yavatmal - 445001. (An institution affiliated to Sant Gadge Baba Amravati University, Amravati)

Prof. V. D. Vattamwar
Assistant Professor
Department of Mechanical Engineering

Dr. V. L. Bhambere
HOD, Mechanical Engg. Dept.
Jagadamba College of Engineering
& Technology, Yavatmal

Dr. H. M. Baradkar
Principal
Jagadamba College of Engineering
& Technology, Yavatmal



Dr. Hemant M. Baradkar

Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

CERTIFICATE

This is to certify that the Project Entitled
**"GENERATION OF BIOGAS FROM KITCHEN WASTE
USING LIGNOCELLULOSIC BIOMAS (RICE HUSK)"**

Has been successfully completed by

MS. VAISHNAVI G. RAUT

Mr. SAIRAM V. AGRAWAL

Ms. RAJASHRI R. LUTE

Mr. SOPAN S. ADHAO

Ms. RADHIKA P. HOLEY

Mr. SYED ADNAN ALI

Mr. DHANANJAY P. THAKARE

Mr. ABHIJEET V. RAJURKAR

Mr. PANKAJ M. JADHAO

In partial fulfillment for the degree of

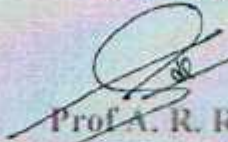
**Bachelor of Engineering
(Civil Engineering)**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



Prof. A. R. Rode

Head of Civil Department

**Jagadambha College of Engineering and Technology
Yavatmal**



Prof. A. R. Rode

Head of Civil Department

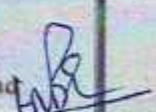
**Jagadambha College Of Engineering And
Technology, Yavatmal**



Dr. H. M. Baradkar

Principal

**Jagadambha College Of Engineering And
Technology, Yavatmal**



Dr. Hemant M. Baradkar

Principal

**Jagadambha College of Engineering &
Technology, Ami Road, Kinhi, Yavatmal**



CERTIFICATE

This is to certify that the project Entitled
" DESIGN AND STUDY ESR INTEGRATED WITH
WATER TREATMENT PLANT "

Has been successfully completed by

Mr. HRISHIKESH R. GAWANDE

Ms. RASIKA G. SARDAR

Ms. KOMAL R. GHATE

Ms. DIKSHA A. JAWARE

Mr. ASHISH A. MAHAJAN

Ms. PRANJALI M. NALHE

Ms. PRAGATI S. NAKTODE

Mr. ASHWIN S. SHIRBHATE

In partial fulfillment for the degree of

Bachelor of Engineering
(Civil Engineering)

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



PROF. S. S. KENDHE

(Assistant Professor)

Department of Civil Engineering

Jagadambha College of Engineering and Technology, Yavatmal



Prof. A. R. Rode

Head Of Civil Department
Jagadambha college of Engineering
and Technology, Yavatmal



Dr. H. M. Baradkar

Principal
Jagadambha college of Engineering
and Technology, Yavatmal



Dr. Hemant M. Baradkar

Jagadambha College of Engineering &
Technology, Amri Road, Kinhi, Yavatmal



CERTIFICATE

This is to certify that the Project Entitled

**“STABILIZATION OF BLACK COTTON SOIL BY USING
ENVIROBASE & SODIUM SILICATE WITH LIME”**

Has been successfully completed by

SAURABH G. SAWALE

DARSHANA S. KATARIYA

PRACHI A. INGALEKAR

ANUSHREE A. PATINGE

IQBAL M. SHEIKH

MAYURI N. PAWAR

SHWETA R. KAMBLE

SATYAM R. INGOLE

SUNIL S. ADHAV

In partial fulfillment for the degree of

**Bachelor of Engineering in
Civil Engineering**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



Prof. Sagar R. Raut

Assistant Professor

(Department of Civil Engineering)

**Jagadambha College of Engineering & Technology
Yavatmal.**



Prof. A. R. Rode

Head of Civil Department

**Jagadambha College of Engineering
& Technology, Yavatmal.**



Dr. H. M. Baradkar

Principal

**Jagadambha College of Engineering &
Technology, Yavatmal.**

Dr. Hemant C. Baradkar

**Jagadambha College of Engineering &
Technology, Yavatmal.**



CERTIFICATE

This is to certify that the Project Entitled

“Analysis And Design of Building By STAAD PRO”

Has been successfully completed by

Sharukh I. Solanki

Smitesh K. Firke

Sitaram P. Waghmare

Akash Jadhao

Vaishnavi Sawake

Lalit G. Dhanorkar

Ujawl U. Paikrao

Haish Shaikh

In partial fulfillment for the degree of

**Bachelor of Engineering in
Civil Engineering**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



Prof. Pooja K. Pardakhe

Assistant Professor

(Civil Engineering Department)

Jagadambha College of Engineering & Technology
Yavatmal.



Prof. A.R.Rode

Head of Civil Department

Jagadambha College of Engineering
& Technology, Yavatmal.



Dr. H.M. Baradkar

Principal

Jagadambha College of Engineering
& Technology, Yavatmal.



Dr. Hemant M. Baradkar
Principal
Jagadambha College of Engineering
& Technology, Arni Road, Kinhi, Yavatmal

CERTIFICATE

This is to certify that the Project Entitled

**“EXPERIMENTAL INVESTIGATION ON COMPARISON
BETWEEN PLASTIC PAVER BLOCK AND CEMENT
PAVER BLOCK” .**

Has been successfully completed by

Mr. NITIN D. ARSOD

Mr. NITIN S. RATHOD

Mr. PRATIK V. KANNAO

Mr. PALASH L. BOTARE

Mr. SUNIL R. JADHAV

Mr. KARTIK V. NEHARE

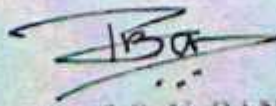
Miss. DEEPA M. PATIL

In partial fulfillment for the degree of
**Bachelor of Engineering
(Civil Engineering) .**

Awarded by


**Sant Gadge Baba Amravati University, Amravati, (M. S)
During academic year 2018-2019 under my guidance**

Guided by



Prof. P. V. BAN


**Assistant Professor (Civil Department)
Jagadambha College of Engineering and Technology,
Yavatmal**



Prof. A. R. Rode
Head of Civil Department
**Jagadambha college of Engineering
& Technology, Yavatmal**



Dr. H. M. Baradkar
Principal
**Jagadambha college of Engineering
& Technology, Yavatmal**



Dr. Hemant M. Baradkar
Principal
**Jagadambha College of Engineering &
Technology, Am. Road, Kinhi, Yavatmal**



CERTIFICATE

This is to certify that the project Entitled

**“PARTIAL REPLACEMENT OF CEMENT IN
CONCRETE WITH SUGARCANE BAGASSE ASH”**

Has been successfully completed by

MISS. SHIFA S. A. TANWAR

MR. YOGESH G. THOSAR

MR. YASH R. DUDHE

MISS. KRUSHNA R. TEWARE

MR. PRASHIL D. URKUDE

MR. GAURAV G. RUDRAKAR

MR. UMMED N. CHAUDHARI

MR. ANURAG O. RATHI

In partial fulfillment for the degree of

**Bachelor of Engineering
(Civil Engineering)**

Awarded by


Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance


Guided by



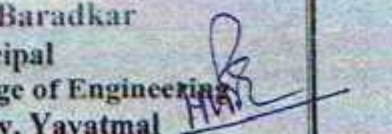
**Prof. P. S. Kumbhare
Assistant Professor
Department of Civil Engineering**



**Prof. A. R. Rode
Head of Civil Engg. Dept.
Jagadambha college of Engineering
& Technology, Yavatmal**



**Dr. H. M. Baradkar
Principal
Jagadambha college of Engineering
& Technology, Yavatmal**



**Dr. Hemant M. Darekar
Principal
Jagadambha College of Engineering &
Technology, Yavatmal**

CERTIFICATE

This is to certify that the project Entitled

**"REPLACEMENT OF STEEL REINFORCEMENT BY
BAMBOO REINFORCEMENT IN CONCRETE BEAM"**

Has been successfully completed by

AVINASH B. DHABARDE

JANHAVI V. VYAVAHARE

BULBUL P. BHAGAT

ASHISH P. YEMBADWAR

AKSHAY A. KURATKAR

POOJA P. DAHAKE

PRATIK A. BOBADE

NIKHIL S. JENEKAR

ABHISHEK N. SHUKLA

In partial fulfillment for the degree of

**Bachelor of Engineering
(Civil Engineering)**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



Prof. V. R. BAANKAR

Assistant Professor

Department of civil Engineering



Prof. V. R. Rode
Head Of Civil Department

**Jagadambha college of Engineering
and Technology, Yavatmal**



Dr. H. M. Baradkar

Principal

**Jagadambha college of Engineering
and Technology, Yavatmal**



Dr. Hemant M. Baradkar

**Jagadambha College of Engineering &
Technology, Yavatmal**

CERTIFICATE

This is to certify that the Project Entitled

**“EXPERIMENTAL INVESTIGATION ON PARTIAL
REPLACEMENT OF PPC WITH GLASS POWDER”**

has been successfully completed by

SHUBHAM G. KESHATTIWAR

SAURABH S. KURREWAR

SHUBHAM M. MENEWAR

GIRISH V. MAHALLE

VIPUL D. RATHOD

AKSHAY V. KHADSE

DHIRAJ P. WANKHEDE

AKSHAY H. SHIRBHATE

SIDDHARTH S. TODE

In partial fulfillment for the degree of

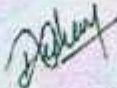
**Bachelor of Engineering in
(Civil Engineering)**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S.)

During academic year 2018-2019 under my guidance

Guided by



PROF. A. H. MESHARAM

(Assistant professor)

Department of Civil Engineering

Jagadambha College of Engineering & Technology

Yavatmal



**Prof. A. H. Rode
Head of Civil Department**

**Jagadambha College of Engineering &
Technology,
Yavatmal.**



**Dr. H. M. Baradkar
Principal**

**Jagadambha College of Engineering &
Technology,
Yavatmal.**



**Dr. Hemant M. Baradkar
Principal**

**Jagadambha College of Engineering &
Technology, Ami Road, Kinhi, Yavatmal**

CERTIFICATE

This is to certify that the Project Entitled

**“APPLICATION OF INDUSTRIAL WASTE IN THE
MANUFACTURING OF SELF COMPACTING
CONCRETE”**

Has been successfully completed by

Mr. ANURAG S. AMBADKAR

Ms. PUJAL T. ADE

Mr. VITTHAL P. PAWAR

Mr. MAYUR S. RATHOD

Mr. AKSHAY G. HINGANKAR

Mr. AKSHAY S. KADAM

Mr. SUMIT R. THAKARE

Ms. VISHAKHA S. GULHANE

In partial fulfillment for the degree of

**Bachelor of Engineering
(Civil Engineering)**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



**Prof. P. P. Deogade
Assistant Professor**

(Civil Engineering Department)

**Jagadambha College of Engineering and Technology
Yavatmal.**



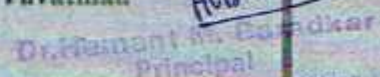
**Prof. A. R. Rode
Head of Civil Department**

**Jagadambha College Of Engineering &
Technology, Yavatmal.**



**Dr. H. M. Baradkar
Principal**

**Jagadambha College Of Engineering
& Technology, Yavatmal.**



**Dr. Hemanant S. Bhandkar
Principal**

**Jagadambha College Of Engineering &
Technology, Amravati Road, Kinoh, Yavatmal**



CERTIFICATE

This is to certify that the Project Entitled

**“A Study of Partial Replacement of Cement by Waste
Paper Pulp in Concrete”**

Has been successfully completed by

Jagdish D. Kalapad

Ravina G. Kadekar

Snehal Bijwe

Kalyani P. Sutare

Mohan V. Nemane

Shah Parvez Yakub Shah

Vishal S Swami

Vaishnavi D. Sulbhewar

Priyanka P. Dande

In partial fulfillment for the degree of

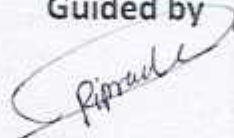
**Bachelor of Engineering in
Civil Engineering**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



Prof. P. V. Piprade

Assistant Professor

(Civil Engineering Department)

Jagadamba College of Engineering & Technology
Yavatmal.



Prof. A.R.Rode

Head of Civil Department

Jagadamba College of Engineering
& Technology, Yavatmal.



Dr. H.M. Baradkar

Principal

Jagadamba College of Engineering
& Technology, Yavatmal.



Dr. Hemanth Baradkar

Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

CERTIFICATE

This is to certify that the project Entitled

“DESIGN OF G+2 RCC BUILDING WITH BAR BENDING SCHEDULE”

Has been successfully completed by

SURAJ D. KATHWATE

PRASHANT R. NANDAGAWALI

TAUSIF G. KHAN

SAURABH K. SELOKAR

PRANAY R. WARGHAT

NIKHIL A. FATALE

AMOL R. JAMBHALE

SHUBHAM R. INGOLE

SUFIYAN A.F. KHAN

In partial fulfillment for the degree of
Bachelor of Engineering
(Civil Engineering)


Awarded by

Santa Gadge Baba Amravati University, Amravati, (M. S)
During academic year 2018-2019 under my guidance



Guided by



Prof. M. R. Chudare
Assistant Professor
Department of Civil Engineering



Prof. A. R. Rode
Head of Civil Engg. Dept.
Jagadambha college of Engineering
& Technology, Yavatmal



Dr. H. M. Baradkar
Principal
Jagadambha college of Engineering
& Technology, Yavatmal
Jagadambha College of Engineering &
Technology, Amini Road, Kihni, Yavatmal



CERTIFICATE

This is to certify that the synopsis Entitled

**"EXPERIMENTAL INVESTIGATION FOR
STABILIZATION OF BLACK COTTON SOIL BY USING
WASTE MATERIALS SAWDUST ASH AND GYPSUM"**

Has been successfully completed by

Mr. PRASHIK S. THUL

Mr. TUSHAR S. RAUT

Mr. KUNAL H. YADAV

Miss. SAMIDHA D. THAKARE

Mr. VIKRAM S. CHAVHAN

Mr. LAVKUSH S. JADHAV

Mr. AKASH P. JADHAV

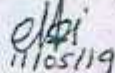
Mr. USAMA M. SAHIR

In partial fulfillment for the degree of
Bachelor of Engineering
(Civil Engineering)

Awarded by

Santa Gadge Baba Amravati University, Amravati, (M. S)
During academic year 2018-2019 under my guidance


Guided by



11/05/19


Prof. M. M. INAMDAR

Assistant Prof. (Civil Department)

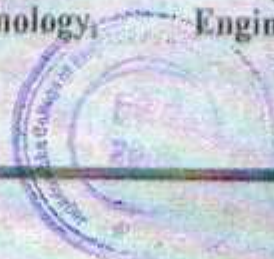
**Jagadambha College of Engineering and Technology,
Yavatmal**


Prof. A. R. Rode
Head of Civil Engg. Dept.,
Jagadambha College of
Engineering and Technology,
Yavatmal


Dr. H. M. Baradkar
Principal,
Jagadambha College of
Engineering and Technology,
Yavatmal


Dr. Hemant M. Baradkar
Principal

**Jagadambha College of Engineering &
Technology, Road, Yavatmal**



CERTIFICATE

This is to certify that the project Entitled

"ANALYSIS OF MEDIA FILTER FOR WASTEWATER TREATMENT"

Has been successfully completed by

Ms. KAJAL V. BHOYAR

Mr. NIKHIL S. BHAGAT

Mr. YASH S. NAROLE

Mr. RAJKUMAR S. MALVIYA

Ms. NEHA V. REKKAWAR

Mr. ANKUSH C. KHANDAR

Ms. SWATI M. PATE

Mr. SAMEER S. HAGAWANE

Mr. CHETAN V. KADUKAR

In partial fulfillment for the degree of
Bachelor of Engineering
(Civil Engineering)

Awarded by

SantGadge Baba Amravati University, Amravati, (M. S)
During academic year 2018-2019 under my guidance

Guided by



Prof. H. D. MISHRA

Assistant Prof. (Civil Department)

Jagadambha College of Engineering and Technology,
Yavatmal



Prof. A. R. RODE

Head of Civil Department


Jagadambha College of Engineering
And Technology,
Yavatmal



Dr. H. M. BARADKAR

Principal

Jagadambha College of Engineering
And Technology,
Yavatmal



Dr. H. M. Baradkar
Principal
Jagadambha College of Engineering
And Technology, Yavatmal

CERTIFICATE

This is to certify that the Project Entitled

“Comparative Study of Earth Pressure Theories on Retaining Wall Considering Earthquake Forces for Cohesive Soil”

Has been successfully completed by

Samiksha Nikam

Rahul Magare

Puja Uge

Pratik Battalwar

Sonali Gadge

Ahteshan Farooque

Shivam Sanap

Mahesh E. Bijwe

Ganesh Thakare

In partial fulfillment for the degree of

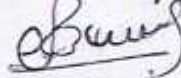
**Bachelor of Engineering in
Civil Engineering**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



Prof. N.V. Bandwal

Assistant Professor

(Civil Engineering Department)

Jagadambha College of Engineering & Technology

Yavatmal.



Prof. A.R. Rode

Head of Civil Department

Jagadambha College of Engineering
& Technology, Yavatmal.



Dr. H.M. Baradkar

Principal

Jagadambha College of Engineering
& Technology, Yavatmal.

Dr. Hemant M. Baradkar
Principal

Jagadambha College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal



CERTIFICATE

This is to certify that the Project Entitled

"EXPERIMENTAL STUDY ON ENGINEERED CEMENTITIOUS COMPOSITE"

Has been successfully completed by

Mr. PRASHIL U. SUDDHAWAR

Miss. SWATI A. LABHSETWAR

Mr. KETAK V. BAKHADE

Mr. SHYAM S. CHAUDHARY

Mr. RUSHABH S. DHOLE

Mr. VAIBHAV A. PATURKAR

Mr. SHIVAJI V. CHAVHAN

Mr. MOHD. SADDAM SHAH

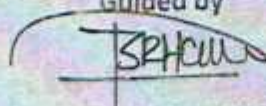
In partial fulfillment for the degree of

**Bachelor of Engineering
(Civil Engineering)**

Awarded by

**Sant Gadge Baba Amravati University,
Amravati, (M. S) During academic year
2018-2019 under my guidance**


Guided by



**Prof. M. R. BHATKAR
Asst. Prof. (Civil Engineering Dept.)
Jagadambha College of Engineering
and Technology, Yavatmal**


10/5/2019
Prof. A. R. Rode

**Head of Civil Engineering Dept.
Jagadambha College of Engineering
and Technology, Yavatmal**


Dr. H. M. Baradkar
Principal

**Jagadambha College of Engineering
and Technology, Yavatmal**


Dr. Mamant M. Gokhale
Principal
Jagadambha College of Engineering
and Technology, Am Road, Kirbi, Yavatmal



CERTIFICATE

This is to certify that the Project Entitled

“Design and comparative Study of Seismic Analysis of Building with Light Weight and Conventional Material”

Has been successfully completed by

Sumit S Khandare

Gulshan V. Patil

Shramik Rade

Vibha Borade

Saurabh A. Gohane

Shamali Jaiswal

Shrikant N. Dahapute

Aniket Katkar

Mayuri R. Kalmore

In partial fulfillment for the degree of

**Bachelor of Engineering in
Civil Engineering**

Awarded by

Sant Gadge Baba Amravati University, Amravati, (M. S)

During academic year 2018-2019 under my guidance

Guided by



Prof. Ritesh J. Raut

Assistant Professor

(Civil Engineering Department)

Jagadambha College of Engineering & Technology
Yavatmal.



Prof. A.R.Rode

Head of Civil Department

Jagadambha College of Engineering & Technology, Yavatmal.




Dr. H.M. Baradkar

Principal

Jagadambha College of Engineering & Technology, Yavatmal.




Dr. Hemant M. Baradkar
Principal
Jagadambha College of Engineering & Technology, Arni Road, Kinhi, Yavatmal