

**1.3.3 Number of the student studied course on experimental learning through
Project Work / Internship**

Programme Name: M.Tech. Electronics & Tele-communication Engineering			
Programme Code: 1-1408968335			
Year of offering: 2019-2020			
Sr. No.	Name of the Course that include experiential learning through project work/field work/internship	Course code	Number of the student studied course on experiential learning through project work/field work/internship
1.	Dissertation Phase I : Synopsis Submission Seminar		09
2.	Dissertation Phase II : ICA		
3.	Dissertation Phase II : Progress Seminar		
4.	Dissertation Phase III : Progress Seminar		
5.	Dissertation Phase IV : Final presentation and submission of report		
6.	Final Submission of the Dissertation and Viva-voce		



B. Range
PRINCIPAL,
College of Engineering
PANDHARPUR



SRI VITHAL EDUCATION & RESEARCH INSTITUTE'S

COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur (Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail: coe@sveriac.ac.in, Website: www.sveri.ac.in

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

NBA Accredited all Eligible UG Programmes and, NAAC, Accredited Institute,

Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



ISO 9001:2015



Department of Electronics and Telecommunication Engineering

Class: M.Tech- II

Academic Year-2019-20

List of Students Undertaking

Dissertation Phase-I: Synopsis Submission Seminar
Dissertation Phase-II: ICA
Dissertation Phase-II: Progress Seminar
Dissertation Phase-III: Progress Seminar
Dissertation Phase IV
Final Submission of the Dissertation and Viva –Voce

Roll.No	Name of Student
1.	Ms. Dipali Vasant Atkale
2.	Ms. Shabdali Charudatta Deshpande
3.	Ms. Marab Sheetal shivraj
4.	Ms. Reshma Rajendra Deshmukh
5.	Ms. Snehal Rajendra Surwase
6.	Mr. Valate Pandurang Sadashiv

(Prof. M. M. Pawar)
PG Coordinator

(Dr. A. S. Vibhute)
Head, ENTC Engg. Dept.
HEAU

Dept. of Electronics & Telecom. Engg.
Q. E. Pandharpur

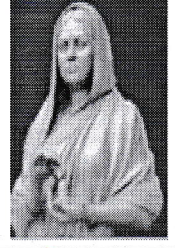


पुण्यश्लोक अहिल्यादेवी होळकर
सोलापूर विद्यापीठ
NAAC Accredited-2015
'B' Grade (CGPA 2.62)

पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर
Punyashlok Ahilyadevi Holkar Solapur University, Solapur
केगाव, सोलापूर - ४१३ २५५, महाराष्ट्र (भारत)

दुरध्वनी : ०२१७-२७४४७७१/७२/७३/ (११ लाईन्स), फॅक्स : ०२१७-२३५१३०

संकेतस्थळ: <http://su.digitaluniversity.ac/www.sus.ac.in> ई-मेल: bcudpgbutr@sus.ac.in



Ph.D Research Section

विस्तारीत क्रमांक - १२३, १२४, १२५

Ref No. PAHSUS/ARD/Ph.D.-I/2020/ 1314

Date: 5 FEB 2020

To,
The Principal,
SVERI's College of Engineering, Pandharpur,
Tal-Pandharpur, Dist-Solapur-413304.

Subject: :- Approval of M.E./M.Tech. Dissertation Title.

Reference :- RRC Meeting Dated 28/01/2020.

Sir/Madam,

With reference to above Subject, I am directed to inform you that, Research & Recognition Committee has accorded approval to the title of M.E./M.Tech. Electronics and Telecommunication Engineering Dissertation, as mentioned overleaf.

You are requested to bring the approval to the notice of concerned guide and students.

Thanking you.

Yours Faithfully,

(Assistant Registrar)

Research Development (Ph.D.-I)

Copy to :-

The Director,
Board of Examinations and Evaluation,
P.A.H., Solapur University, Solapur.

To, Registrar/
HOD Electronics/
Co-ordinator

HVD
9. 1/2/20

College of Engineering
Pandharpur.
Inward No...1293...
Date - 11/02/2020

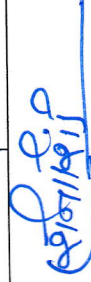
P.A.H. SOLAPUR UNIVERSITY, SOLAPUR

Statement showing who have applied for M.E./M.Tech. Dissertation in subject of : **Electronics & Teleco. Engg Date: 28/01/2020**

Name of Students and Address	Batch	Name of Guide and Address	Topic of Research work	Recommendations of RRC (with reason)
Miss. Anuja A. Unune SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2017	Mr. A. S. Vibhute SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Fruit Weight Estimation Using Image Processing and Neural Network	Problem Statement need to be defined Properly
Miss. Mayuri A. Dongare SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2017	Prof. Ms. J. A. Kendule SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Single Image Haze Removal Using Convolution Neural Network	Approved with Corrected Title "Image Haze Removal Using Convolution Neural Network"
Miss. Reshma R. Deshmukh SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Mr. A. S. Vibhute SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Attribute Inspection of Product Using Image Processing	Approved
Miss. Shraddha. B. Kshirsagar SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Mr. A. S. Vibhute SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Blood Count Analysis Using Machine Learning Approach	Approved
Miss. Shital S. Yadav SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Mr. A. S. Vibhute SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Emotion Detection Using Deep Learning Algorithm	Title Approved Problem Statement and Objective need to be defined Properly
Miss. Dipali V. Atkale SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Dr. Mrs. M. M. Pawar SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Image Generation Network for Face Aging Using Deep learning	Approved
Miss. Shabdali C. Deshpande SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Dr. Mrs. M. M. Pawar SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Design of adversarial neural Networks to generate realistic colored images from the given gray scale images.	Approved

Statement showing who have applied for M.E./M.Tech. Dissertation in subject of : **Electronics & Teleco. Engg** Date:28/01/2020

S. No.	Name of Students and Address	Batch	Name of Guide and Address	Topic of Research work	Recommendations of RRC (with reason)
03	Miss. Sheetal S. Marab SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Dr. Mrs. M. M. Pawar SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Deep learning based single image super resolution	Approved
09	Miss. Dhanashree M. Yadav SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Prof. M. S. Mathpati SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Design and Analysis of a Fractal Antenna for 5G Applications	Title Approved Scope of the Research work is not properly defined should resubmit the synopsis by defining proper scope of work
10	Miss. Trupti D. Pujari SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Prof. Mrs. J. A. Kendule SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Collision Avoidance Using V2V Communication	Not Approved Should Resubmit
11	Miss. Pranali K. Kolekar SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Prof. Mrs. J. A. Kendule SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Brain Tumor segmentation Using Convolution Neural Network	Approved
12	Miss. Pradnya B. Maske SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	ME Aug. 2017	Prof. Ms. J. a. Kendule SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Image Retrieval using end to end Convolution Neural Network	Approved
13	Miss. Snehal R. Surwase SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	M.Tech Aug. 2018	Dr. Ms. M. M. Pawar SVERI's College of Engineering, Pandharpur, Tal-Pandharpur, Dist-Solapur-413304	Vehicle logo Recognition Using Deep Learning	Approved



(Assistant Registrar)

Research Department (Ph.D.-I)

75

Online

PAGE:

DATE: / /

M. Tech. final submission of Dissertation-Viva voce

Date: 02/10/2020

Time: 2:30 pm


Name of student: Ms. Dipali Vasant Atkale

Year of Registration: Aug 2018

Title of Dissertation: Image Generation network for face aging using Deep learning.

Examiners:

Internal Examiner: Dr. Meenakshi M. Pawar

sign: 

External Examiner: Dr. Satish Kumar Chawan

sign: (Online)

Name of college: Don Bosco Institute of Technology

Kurla West Mumbai - 400070.

Contact: 7738104543

Venue: PG lab, 426, SVERI's COE P¹ pur.

The following members were present (online)

1. Dr. M.M. Pawar

- 

M. Tech final submission of Dissertation Viva Voce

Date: 02/10/2020

Time: 3:30 pm

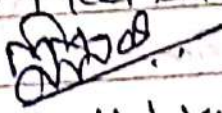
Name of student: Ms. Shabdali Charudatta Deshpande

Year of Registration: Aug 2018

Title of Dissertation: Design of adversarial neural networks to generate realistic colored images from the given grayscale images.

Examiners:

Internal Examiner: Dr. Meenakshi M. Pawar

sign: 

External Examiner: Dr. Satishkumar Chavan


sign: (Online)

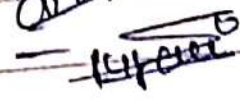
Name of college: Don Bosco Institute of Technology
Kurla West Mumbai 400070.

Contact: 9738104543

Venue: PG lab: MF 426, SVR's COE, Pimpri.

The following members were present (Online)

1. Dr. M.M. Pawar - 

2. Suvaena Dadasa Pyale - 

(77)

Online .

PAGE :

DATE : / /

M.Tech final submission of Dissertation & Viva Voce (CESB)

Date: 08/10/2020

Time: 2:30 pm

Name of student: Ms. Sheetal Shivraj Morab

Year of registration: Aug 2018

Title of Dissertation: A novel edge boosting approach for image super resolution.

Examiners:

Internal examiner: Dr. Meenakshi M. Pawar
sign: ~~Meenakshi~~

External examiner: Dr. Satishkumar Chavan
sign: (Online)

Name of college: Don Bosco Institute of Technology
Kurla West Mumbai 400070

Contact: 7788104543

Venue: PG lab : MF 426, SVERI's COE, Pandharpur

The following member were present (online)

1. Dr. M.M. Pawar - ~~Meenakshi~~

Online,

PAGE:

DATE: / /

Final Submission of Dissertation & Viva Voce

Date: 08/10/2020

Time: 10:30 AM.

Name of student: Ms. Reshma Rajendra Deshmukh

Year of Registration: Aug 2018

Title of Dissertation: Attribute Inspection of product Using Image Processing.

Examiners:

Internal Examiner: Dr. Anup S. Vibhute.

sign:

External Examiner: Dr. S. D. Raikar

college: WCE, Sangli

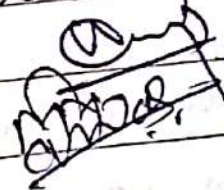
contact: 9422542119

Venue: PG lab: MF 426, SVERI COEP

The following members were present (online)

1. Dr. A. S. Vibhute

2. Dr. M. M. Pawar.



79

Online

PAGE :
DATE : / /

M. Tech final submission of Dissertation & viva voce

Date : 08/10/2020

Time : 11:15 AM

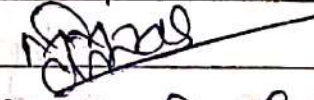
Name of student : Ms. Snehal Rajendra Surwase

Title of Dissertation : Vehicle Logo Recognition using Deep Learning.

Year of Registration : Aug 2018

Examiners :

Internal Examiner : Dr. M. M. Pawar

Sign : 

External Examiner : Dr. S. D. Raikar

College : WCE, Sangli

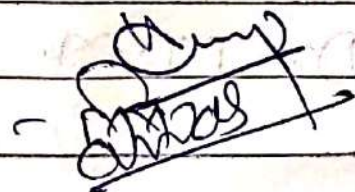
Contact No. : 9422542119

Venue : PG lab, MF 426 SVERI COEP

The following members were present (online)

1. Dr. A. S. Vibhute

2. Dr. M. M. Pawar



(81)

Online

PAGE :

DATE : / /

ME final submission of dissertation + viva voce

Date :- 10/07/2020

Time :- 10:00 AM

Name of Student :- Ms. Pradnya Baliram Maske

Title of dissertation :- Image ~~re~~ Retrieval using
end to end convolution
Neural Network

Year of Registration :- Aug 2017

Examiners :-

Internal Examiner : Ms. J.A. Kendule

Sign : ~~J.A. Kendule~~

External Examiner : Dr. Subhaji Patil

College : P.T.M. Jaysingpur

Contact No: 9422 618670.

Venue : PG lab, MF426, SYERI COE

The following members were present (online)

1. Ms. J.A. Kendule
2. Dr. M.M. Pawar

~~J.A. Kendule~~
~~M.M. Pawar~~

Final submission of dissertation & Viva Voce

Date :- 15/01/2021

Time :- 2:00 PM

Name of student :- Ms. Parnali Kumar Kolekar

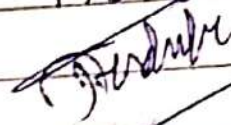
Title of dissertation :- Brain Tumor Segmentation using convolution Neural Network

Date of Registration :- Aug 2018

Examiners :-

Internal Examiner :- Ms. J.A. Kendule

Sign :-



External Examiner :- Dr. Supriya Rajankar

College :- Sinhgad Campus

Contact No :- 9423614600

Venue :- PGT lab, MF 426, SVERT COE

The following members are Present (online) :-

1. Ms. J.A. Kendule
2. Dr. M.M. Pawar



83

online

PAGE: / /
DATE: / /

M.Tech. final submission of dissertation & viva voce

Date: 21/01/2021

Time: 11:30 AM

Name of student: Kshirsagar Shradha Babasaheb

Title of dissertation: Blood count analysis using machine learning approach.

Year of registration: Aug. 2018

Examiners:

Internal Examiner: Dr. A. S. Nibhute

Sign:



External Examiner: Dr. Mrs. M. R. Bachute

College: Symbiosis Institute of Tech, Pune

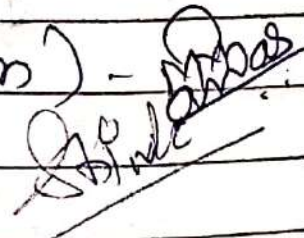
Contact no: 9767107191

Venue: PG Lab, MF426, SVERT's COE

The following members are present (online):

1. Dr. M. M. Pawar (PG Co-ordinator)

2. J. S. Shinde



online

PAGE: / /
DATE: / /

M.Tech final submission of dissertation & viva voce

Date : 29/01/2021

Time : 10.00 AM

Name of student : / Dhanashree Madhukar Yadav

Title of dissertation : Design and Analysis of a
fractal Antenna for 5G
Applications.

Year of Registration : Aug. 2018

Examiners :

Internal Examiner : Prof. M.S. Mathpati

Sign :



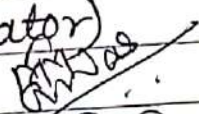
External Examiner : Dr. B. Suryakant
College : Bheemanna Khandre Institute
of Technology, Bhalki, Bidar,
Karnataka.

Contact No :- 9620055885

Venue : PG Lab, MF 426, SVESI COEP.

The following members are present (online) :-

1. Dr. M.M. Pawar (PG Coordinator)



2. Prof. M.S. Mathpati (Guide)





SVERI's COLLEGE OF ENGINEERING, PANDHARPUR.

Gopalpur-Ranjani Road, Gopalpur, P.B. No. 54, Tal - Pandharpur- 413 304,
Dist. Solapur (Maharashtra)
(Approved by AICTE, New Delhi and affiliated to PAH Solapur University,
Solapur)



Year -2019-20

CERTIFICATE

This is to certify that the thesis entitled

**"IMAGE GENERATION NETWORK FOR FACE AGING
USING DEEP LEARNING"**

submitted by

MISS. DIPALI VASANT ATKALE

For partial fulfillment of Masters of technology Dissertation in Electronics and
Telecommunication as per requirement of Punyashlok Ahilyadevi Holkar Solapur
University, Solapur for the academic year 2019-2020.

Dr. Mrs. M. M. Pawar

(Guide, ENTC)

Dr. A. S. Vibhute

(HOD, ENTC)

Dr. B. P. Ronge

(Principal)

Date:

(Prof.)

Time:

External Examiner



SVERI's COLLEGE OF ENGINEERING, PANDHARPUR.

Gopalpur-Ranjani Road, Gopalpur, P.B. No. 54, Tal - Pandharpur- 413 304,
Dist. Solapur (Maharashtra)

(Approved by AICTE, New Delhi and affiliated to PAH Solapur University,
Solapur)



Year -2019-20

CERTIFICATE

This is to certify that the thesis entitled

**“DSIGN OF ADVERSERIAL NETWORK NETWORKS TO GENERATE
REALISTIC COLORED IMAGES GIVEN GRAY SCALED IMAGES.”**

submitted by

MISS. SHABDALI CHARUDATTA DESHPANDE.

For partial fulfillment of Masters of technology Dissertation in Electronics and
Telecommunication as per requirement of Punyashlok Ahilyadevi Holkar Solapur
University, Solapur for the academic year 2019-2020.

Dr. Mrs. M. M. Pawar

(Guide, ENTC)

Dr. A. S. Vibhute

(HOD, ENTC)

Dr. B. P. Ronge

(Principal)

Date:

(Prof.)

Time:

External Examiner



SVERI's COLLEGE OF ENGINEERING, PANDHARPUR.

Gopalpur-Ranjani Road, Gopalpur, P.B. No. 54, Tal - Pandharpur- 413 304,
Dist. Solapur (Maharashtra)
(Approved by AICTE, New Delhi and affiliated to PAH Solapur University,
Solapur)



Year -2019-20

CERTIFICATE

This is to certify that the thesis entitled

**"A NOVEL EDGE BOOSTING APPROACH FOR IMAGE SUPER
RESOLUTION."**

submitted by

MISS. SHEETAL SHIVRAJ MARAB.

For partial fulfillment of Masters of technology Dissertation in Electronics and
Telecommunication as per requirement of Punyashlok Ahilyadevi Holkar Solapur
University, Solapur for the academic year 2019-2020.

Dr. Mrs. M. M. Pawar
(Guide, ENTC)

Dr. A. S. Vibhute
(HOD, ENTC)

Dr. B. P. Ronge
(Principal)

Date:

(Prof.)

Time:

External Examiner



SVERI's COLLEGE OF ENGINEERING, PANDHARPUR.

Gopalpur-Ranjani Road, Gopalpur, P.B. No. 54, Tal - Pandharpur- 413 304,
Dist. Solapur (Maharashtra)
(Approved by AICTE, New Delhi and affiliated to PAH Solapur University,
Solapur)



Year -2019-20

CERTIFICATE


This is to certify that the thesis entitled

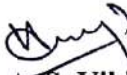
**“ATTRIBUTE INSPECTION OF PRODUCT USING IMAGE
PROCESSING”**


submitted by

MISS. RESHMARAJENDRA DESHMUKH

For partial fulfillment of Masters of Technology Dissertation in Electronics and
Telecommunication as per requirement of Punyashlok Ahilyadevi Holkar Solapur
University, Solapur for the academic year 2019-2020.


Dr. A. S. Vibhute
(Guide, ENTC)


Dr. A. S. Vibhute
(HOD, ENTC)


Dr. B. P. Ronge
(Principal)

Date:

(Prof. _____)

Time:

External Examiner



SVERI's COLLEGE OF ENGINEERING, PANDHARPUR.

Gopalpur-Ranjani Road, Gopalpur, P.B. No. 54, Tal - Pandharpur- 413 304
Dist. Solapur (Maharashtra)

(Approved by AICTE, New Delhi and affiliated to PAH Solapur University, Solapur)
Year -2019-20



Certificate

This is to certify that the project report entitled

"VEHICLE LOGO RECOGNITION USING DEEP LEARNING"

submitted by

Miss. Snehal Rajendra Surwase

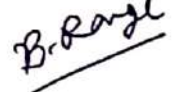
*for partial fulfillment of BE in Electronics and Telecommunications per
requirement of Punyashlok Ahilyadevi Holkar Solapur University,
Solapur for the academic year 2019-2020*


(Dr. M. M. Pawar)

GUIDE


(Dr. A. S. Vibhute)

H.O.D.


(Dr. B. P. Ronge)

PRINCIPLE

Date: _____

Prof. _____

Place: Pandharpur.

EXTERNAL EXAMINER

SVERI's


COLLEGE OF ENGINEERING, PANDHARPUR


Department of Electronics and Telecommunication Engineering




CERTIFICATE

This is to certify that the Dissertation entitled "Image Retrieval using End-to-End Convolution Neural Network" has been completed successfully and submitted by Ms. Maske Pradnya Baliram of M.E. (ELECTRONICS & TELECOMMUNICATION ENGINEERING) class in the partial fulfillment for the award of Master's Degree in ELECTRONICS & TELECOMMUNICATION ENGINEERING as per Curriculum laid by PAH SOLAPUR UNIVERSITY, SOLAPUR during the Academic Year 2019-20.


(Ms. J. A. Kendule)
GUIDE


(Dr. A. S. Vibhute)
H.O.D ENTC


(Dr. B. P. Ronge)
PRINCIPAL

EXTERNAL EXAMINER

SVERI's

COLLEGE OF ENGINEERING, PANDHARPUR

Department of Electronics and Telecommunication Engineering



CERTIFICATE

This is to certify that the Dissertation entitled “Brain Tumor Segmentation Using

Convolution Neural Network” has been completed successfully and submitted by Ms. Kolekar

Pranali Kumar of M.Tech. (ELECTRONICS & TELECOMMUNICATION

ENGINEERING) class in the partial fulfillment for the award of Master's Degree in

ELECTRONICS & TELECOMMUNICATION ENGINEERING as per Curriculum laid by

PAH SOLAPUR UNIVERSITY, SOLAPUR during the Academic Year 2019-20.



(Ms. J. A. Kendule)

GUIDE



(Dr. A. S. Vibhute)

H.O.D ENTC



(Dr. B. P. Ronge)

PRINCIPAL

EXTERNAL EXAMINER



SVERI's COLLEGE OF ENGINEERING, PANDHARPUR.

Gopalpur-Ranjani Road, Gopalpur, P.B. No. 54, Tal - Pandharpur- 413 304,
Dist. Solapur (Maharashtra)

(Approved by AICTE, New Delhi and affiliated to PAH Solapur University,
Solapur)



Year -2019-20

CERTIFICATE

This is to certify that the thesis entitled

**“BLOOD COUNT ANALYSIS USING MACHINE
LEARNING APPROACH”**

submitted by

MISS. SHRADDHA BABASAHEB KSHIRSAGAR


For partial fulfillment of Masters of technology Dissertation in Electronics and
Telecommunication as per requirement of Punyashlok Ahilyadevi Holkar Solapur
University, Solapur for the academic year 2019-2020.


Dr. A. S. Vibhute

(Guide, ENTC)


Dr. A. S. Vibhute

(HOD, ENTC)


Dr. B. P. Ronge

(Principal)

Date:

(Prof.)

Time:

External Examiner



SVERI's COLLEGE OF ENGINEERING, PANDHARPUR.

Gopalpur-Ranjani Road, Gopalpur, P.B. No. 54, Tal - Pandharpur- 413 304,
Dist. Solapur (Maharashtra)
(Approved by AICTE, New Delhi and affiliated to PAH Solapur University,
Solapur)



Year -2019-20

CERTIFICATE

This is to certify that the thesis entitled "DESIGN AND ANALYSIS OF FRACTAL ANTENNA FOR 5G APPLICATIONS" has been completed successfully and submitted by **Miss. Dhanashree Madhukar Yadav** for partial fulfillment of Masters of technology Dissertation in Electronics and Telecommunication as per requirement of Panyashlok Ahilyadevi Holkar Solapur University, Solapur for the academic year 2019-2020.

Mr. M. S. Mathpati

(Guide, ENTC)

Dr. A. S. Vibhute

(HOD, ENTC)

Dr. B. P. Ronge

(Principal)

Date: (Prof.)

Time: External Examiner