

This is to certify that the BE Seminar report of

"A Measurement of Nuchal Translucency Based on ML (Random Forest Algorithm)"

By,

AISHWARYA KOPULWAR (B190343072)

SWATI KOTRANGE (B190343073)

MADHURA LAD (72148038B)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof. Dr. K.R. Chaudhari and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

Prof. K.R. Chaudhari

Prof.Dr.S.A. Dhole

Prof.Dr.S.R. Patil

Guide

Project Coordinator

Principal, H.O.D

Place: Pune

Date: 21/11/2023

Head of GTE Department
Electronic & Tele Communication
B.V.'s College of Engineering for Women
Pune - 411043



This is to certify that the BE Seminar report of

"PURGING THE POISON: A MACHINE LEARNING APPROACH TO FILTERING TOXIC COMMENTS"

By,

Simantini Garud (Roll No: 41141)

Anuja Kadam (Roll No: 41157)

Aishwarya Khairnar (Roll No: 41167)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of Prof.Dr.V.R.Pawar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at BharatiVidyapeeth's College of Engineering for Women Dhankawadi, Pune-43.

Prof.Dr.V.R.Pawar

Prof.Dr.S.A.Dhole

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H.O.D E&TC Principal

Place: Pune

Date: 22/11/23

Head of the Department Electronic & Tele Communication B.V.'s College of Engineering for Women Pune - 411043



This is to certify that the BE Seminar report of

"WSN BASED SMART AGRICULTURAL SYSTEM USING LORA TECHNOLOGY"

By,

Borse Roshni Kailas (B190343021)

Chavan Gayatri Manoj (B190343026)

of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.Pranali Yawle and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43.

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Pune - 411043

Place: Pune

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Date: 22/11/23



This is to certify that the BE Project report of

"Language Translator Using Deep Learning"

Submitted by,

Bharambe Sejal Chetan (Seat No.: B190343015)

Deshmukh Shravani Pravin (Seat No.: B190343032)

Dhage Sanskruti Pramod (Seat No.: B190343035)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of Dr. Prof. Sharada Kore and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University of Engineering in Electronics & Telecommunication Engineering at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43

Dr. Prof. Sharada Kore

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Prof. Dr. S.R. Patil

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This is to certify that the BE seminar titled,

"ML based Water Consumption Prediction Model based on Population and Agricultural Usage and Commercial Usage"

By

Vaishali Deshmukh (41132)

Ishwari Jadhav (41149)

Vaibhavi Jarande (41153)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.Dr.V.R.Pawar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43.

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Pune - 411043

Place: Pune



This is to certify that the BE project titled,

"IRIS DETECTION AND AUTHENTICATION SYSYTEM USING DL"

Ву,

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Tapasya Ahire (Seat No.: B190343002)

Srushti Kadam (Seat No.: B190343059)

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Place: Pune

Date



SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

YEAR 2023-24

CERTIFICATE

This is to certify that the BE Seminar report of

"SMART MIRROR USING RASPBERRY"

Submitted by,

Anushka Jondhale (41154)

Sanskruti Joshi (41155)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of **Prof. R. J.Sapkal**and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University of **Engineering** in **Electronics & Telecommunication Engineering** at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43.

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Prof. Dr. S. R. Patil

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Place: PUNF

Date: 22-11-23

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This is to certify that the BE project titled,

" Recognition Of Emotion In Music Based On Neural Networks"

By, Aditi Maheshwari(41212) Shivani Mugale(41220) Madhura Potdar(41240)

Of B.E. (Electronics & Telecommunication) is a bonafidework carried out by them under the guidance of **Prof.S.V.Shelke** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **bachelor's** degree of **engineering** in **Electronics & Telecommunication** of SavitribaiPhule Pune University at Bharati Vidyapeeth's College of Engineering for WomenDhankawadi,Pune-43

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Place:Pune

Date: 22/11/23

Head of the Department
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This is to certify that the BE project titled,

"MACHINE LEARNING-BASED ABNORMALITY DETECTION IN NUCHAL TRANSLUCENCY MEASUREMENTS FOR PRENATAL SCREENING"

By, Pranali Pisal (41239) Vaishnavi Rane (41244) Saumya Mishra (41249)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof. K. R. Chaudhari** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **bachelor's** degree of **engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Prof Dr C D Dotil

Electronic & Tele Communication

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Place: Pune



This is to certify that the BE Seminar report of

"MALWARE WEBSITE DETECTION USING MACHINE LEARNING"

Ву,

Dhanashree Kadam (Roll No:41158)

Mansi Karadkhedkar (RollNo:41163)

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Of BE(Electronics & Telecommunication Engineering) is a bonafide work carried out by the under the guidance of Prof. S. T. Khot and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University of Engineering in Electronics&Telecommunication Engineering at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43.

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blead of the Department HecHolo D.E.&T. Gammication W. Cottegs of Lagineering for Wome:

Page - 411043

Place: Pune



This is to certify that the BE Seminar report of

Smart Queue Management System with Real Time Tracking Using DNN

By

Yashshri Nagargoje (B190343089) Anjali Meshram (B190343083) Anuradha Pachpute(B190343091)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof. Dr. S. R. PATIL** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **Bachelor's** degree of **Engineering** in **Electronics** & **Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Phankawadi, Pune- 43

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Place: Pune

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This is to certify that the BE Seminar report of

"Wireless Sensor Node in Precision Agriculture"

By

Nadiya Shaikh (B190343117)

Dhanashri Rathi (B190343110)

Akshata Shinde (B190343122)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.K.D.Mahajan and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43.

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Place: Pune



This is to certify that the BE Seminar report of

"EXPLORATORY ANALYSIS OF GEOLOCATIONAL DATA"

By,

SHRUTI MUNALE (41221)

SHREYA PANDHARIPANDE (41225)

SANIKA SALUNKHE (41248)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof. Y.R. Dhumal and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Principal, H.O.D

Place: Pune

Date:

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This is to certify that the **BE Seminar report** of

"AI FOR NEUROLUGICAL DISORDER-ALZHIMER"

By,

Zainab Ajij Shaikh (B190343136)

Vanshika Thote (B190343132)

Vaidehi Patil (B190343135)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof. Dr. S.S.Salunkhe and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Place: Pune

Date: 20/11/23



This is to certify that the BE Seminar report of

"Student Attendance System Using 3D Face Recognition"

By,

Gayatri Himmat Ghadge(B190343043) Goske Disha Prashant (B190343045) Jagadale Vaishnavi Nitin (B190343051)

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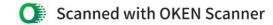
Prof.Dr.S.R.Patil

Electronic & Tele Communication B.V.'s College of Engineering for Womes

Prac - 411043

Place: Pune

Guide





This is to certify that the BE project titled,

"ENHANCEMENT OF HAND GESTURE RECOGNITION USING DISCRETE WAVELET TRANSFORM AND AUTOENCODER NEURAL NETWORKS FOR SEMG SIGNALS"

Ву,

Shruti Singh (B190343127) Namrata Totawar (B190343133) Ruchita Uttekar (B190343134)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof. A.P. Yadav** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **Bachelor's** degree of **Engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Place: Pune

Date: 20 | 11 | 23



This is to certify that the BE Seminar report of

"Liver Disease Prediction Using Machine Learning"

By

Sayali.M.Kshirsagar (B190343074)

Shweta.C.Kshirsagar(B190343075)

Saloni.D.More(B190343086)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.R.M.Shamalik and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune- 43

Prof.R.M.Shamalik

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Per - 411043

Place: Pune



This is to certify that the BE Seminar report of

"EXPLORATORY ANALYSIS OF GEOLOCATIONAL DATA"

By,

SHRUTI MUNALE (41221)

SHREYA PANDHARIPANDE (41225)

SANIKA SALUNKHE (41248)

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Place: Pune

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Head of the Department
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This is to certify that the BE seminar titled,

"Lung Cancer Stage Detection"

By

Arpita Jadhav (41148)

Akanksha Aware (41106)

Chetana Dusane (41137)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof. Dr. S. A. Dhole and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43.

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Place: Pune

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This is to certify that the BE project titled,

"MODERN LOAN APPROVAL PRIDICTION SYSTEM BASED ON MACHINE LEARNING"

Ву,

SAMIKSHA KOLI (Exam Seat No : B190343071)

ASHWINI MASAL (Exam Seat No: B190343006)

SAYALI NAWALE (Exam Seat No: B190343090)

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Page - 411043

Place: Pune



This is to certify that the BE synopsis titled,

"DEEP LEARNING-BASED DEPRESSION ANALYSIS USING EEG SIGNALS"

By,

Vaishnavi Bobade (41117)

Alka Bongane (41118)

Srushti Galande (41139)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of Prof.Dr.V.R.Pawar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43.

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HA DIRECT DOPARTURAL Electronic & Tele Communication B.V.'s College of Engineering for Women Punc - 411043

Place: Pune



This is to certify that the BE project titled,

"IOT BASED TEMPERATURE AND LIGHT CONTROL SYSYTEM USING RASPBERRY-PI"

Ву,

RUTUJA DHAVALE (Exam Seat No: B190343036)

RESHMA KADAM (Exam Seat No: B190343058)

ARCHANA KANDALKAR (Exam Seat No: B190343061)

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Place: Pune

Date: 20/11/2023



This is to certify that the BE project titled,

"ETHICAL HACKING AND PENETRATION TESTING USING RASPBERRY-PI"

Ву,

PRAJAKTA GOPHANE (B190343105)

SHIVANI HARGE (B190343046)

KOMAL JADHAV (B190343049)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof.A.B.Vitekar** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **bachelor's** degree of **Engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Prof.Dr.S.R.Patil

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Place: Pune

Date: 22/11/23



This is to certify that the BE project titled,

"LIDAR based Microdrone for Birds and Rodents Repellent System"

Ву,

Isha Vetal (41274)

Prachi Salve (41247)

Gitanjali Patil (41231)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof. S.A.Itkarkar** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **Bachelor's** degree of **Engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Principal H.O.D. E. T. Grand of the Department
Rectronic & Tele Communication
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Place: Pune

Date: 20/11/23



This is to certify that the BE seminar titled,

"DEEP LEARNING-BASED DEPRESSION ANALYSIS USING EEG SIGNALS"

Ву,

Vaishnavi Bobade (41117)

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Prof.Dr.V.R.Pawar

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Had of D& Terbringhal Lecronic & Tele Communication A Win College of Engineering for Warren

Punc - 411043

Place: Pune

Date: 1/11/23



This is to certify that the BE project titled,

"EARLY DETECTION OF PARKINSON'S DISEASE"

Himani Bire(B190343018)

Samita Ganveer(B190343113)

Rutuja Deshmukh(B190343031)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.Dr.S.S.SALUNKHE and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics Telecommunication of Savitribai Phule Pune University at BharatiVidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

Prof. Dr. S.S. Salunkhe

Prof. Dr. S.A. Dhole

2011/23

Prof. Dr. S.R. Patil

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Handouf align Donor Descript Electronic & Téle Communication B. V.'s College of Engineering for Women

Pune - 411043

Place: Pure

Date: 20/11/23



This is to certify that the BE Seminar report of

"Wireless Sensor Node in Precision Agriculture"

By

Nadiya Shaikh (B190343117)

Dhanashri Rathi (B190343110)

Akshata Shinde (B190343122)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.K.D.Mahajan and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43.

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Punc - 411043

Place: Pune



This is to certify that the BE Seminar report of

"AN INTRUSION DETECTION **MECHANISM FOR WIRELESS** SENSOR NETWORK"

By

Bhosale Aarti Ramrao(B190343016)

Dhage Pragati Raosaheb(B190343034)

Jadhav Sandhya Namadev(B190343050)

of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.S.A.Itkarkar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Vidyapeeth's College of Engineering for Women Dhankawadi, Pune- 43

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Moctronic & Tele Commi B.V.'s College of Engineering for Women Presc - 411043

Place: Pune Date: 20 | 11 | 23

This is to certify that the B E Project report of

"Prof.(Dr).S.L.Kore"



Submitted by,

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Deshmukh Shravani Pravin (Seat No.: B190343032)

Dhage Sanskruti Pramod (Seat No.: B190343035)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of Prof.(Dr).S.L.Kore and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University of Engineering in Electronics & Telecommunication Engineering at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43

Guide Name Prof.(Dr).S.L.Kore

Guide

Place: Pune

Date: 22/11/23

Prof. Dr. S. R. Patil

Head of DERquertment Sectronic & Pele Communication B.V.'s College of Engineering for Women

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This is to certify that the BE Seminar report of

"SUGARCANE DISEASES DETECTION AND CLASSIFICATION USING CNN"

By

Hrucha Rajan Gohad (B190343044)

Khyade Pranita Parmeshwar (B190343068)

Kodam Shravani Venkatesh (B190343069)

of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.Dr.S.R.Patil and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

Prof.Dr.S.R.Patil

Guide

Prof.Dr.S.A.Dhole

Project Co-ordinator

Prof.Dr.S.R.Patil

Heins of the Department

Electronic & Tele Communication

B. V.'s College of Engineering for Women

Pune - 411043

Place: Pune



This is to certify that the BE project titled,

"Face Sketch Creation and Recognition"

Submited By,

Mittal Khushi Pramod (41217) More Komal Vitthal (41218) Patil Prajakta Shankar (41234)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **DR.S.S.Chorage** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **bachelor's** degree of **engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Mectronic & Tele Communication
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Pune - 411043

Place: Pune



This is to certify that the BE Seminar report of

"BLOOD PRESSURE MEASUREMENT **USING MACHINE LEARNING"**

By,

Kad Saee Vijay (B190343055)

Nikita Kendre (B190343064)

Rutuja Kharche (B190343067)

of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.Pranali Yawle and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43.

Prof.Pranali Yawle

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Prof.Dr.S.R.Patil

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Mandina the Departm tonic & Tele Communication B.V.'s College of Bagineering for Women

Place: Pune



This is to certify that the BE project titled,

"OBJECT DETECTION USING DEEP LEARNING AND OPEN CV"

By.

Sakshi Narendra Burrewar (Exam Seat No.:B190343023)

Minal Arvind Chaudhari (Exam Seat No.:B190343025)

Tejaswini Vasanta Deshmukh (Exam Seat No.:B190343131)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof.Dr.S.M.Rajbhoj** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Electronic & Tele Communication
B. V.'s College of Engineering for Women

Punc - 411843

Place: Pune

Date: 21/11/2023

Prediction Of Human Mental Health Using Natural Language Processing



SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

YEAR 2023-24

CERTIFICATE

This is to certify that the BE Project report of

"Prediction Of Human Mental Health Using Natural Language Processing"

Submitted by,

Labdhi J. Shah. (Roll no.: 31250)

Medhavi R. Puranik. (Roll no.: 31241)

Aishwarya S. Purigosavi. (Roll no.: 31242)

Reshma M. Shinde. (Roll no.: 31258)

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Head of the Department

B. V.'s Cullege of Engineering for Woman

Puse - 411043

place: Fund Date: 21-09-1013



This is to certify that the BE project titled.

"CLASSIFICATION AND DETECTION OF CROP DISEASE USING MACHINE LEARNING"

By

Ralebhat Kalyani Ashok (41243) Patange Vaishnavi Rakesh (41227) Pawar Sanjana Sambhaji (41237)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.V.P.Mulik and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Prof.Dr.S.A.Dhole

Project Co-Ordinator

Prof.Dr.S.R. Patil

Principal D.O.D E.S.T.C.

Plectronic & Tak Commercian for Wo

Place: Pune

Date



This is to certify that the BE project titled,

"CLASSIFICATION AND DETECTION OF CROP DISEASE USING MACHINE LEARNING"

By

Ralebhat Kalyani Ashok (41243) Patange Vaishnavi Rakesh (41227) Pawar Sanjana Sambhaji (41237)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof.V.P.Mulik** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **bachelor's** degree of **engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Place: Pune



This is to certify that the BE Seminar report of

"Night Mode Object detection and Tracking using Deep Learning"

By

Ashtekar Harshada (B190343005)

Bhosale Priti (B190343017)

Kalshetty Ashwini (B190343060)

of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.R.J.Sapkal and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Place: Pune

Date:



SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE YEAR 2023-24

CERTIFICATE

This is to certify that the BE Seminar report of "SMART MIRROR USING RASPBERRY"

Submitted by, Anushka Jondhale (41154)

Sanskruti Joshi (41155)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of **Prof. R. J.Sapkal**and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University of **Engineering** in **Electronics & Telecommunication Engineering** at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43.

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Prof. Ør. S. R. Patil

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Project Coordinator

Place: PUNE

Date: 22 -11-23

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B. V.'s College of Engineering for Women

Punc - 411043



This is to certify that the BE Seminar report of

"DETECTION AND CLASSIFICATION OF CATARACT USING CNN"

By,

Chipade Shraddha Nandkumar : (Seat No.: B190343027)

: (Seat No.: B190343028) Dalvi Sakshi Ankush

Deshmane Shrutika Rangnath : (Seat No.: B190343030)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.M.S.Kasar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University atBharati Vidyapeeth's College of Engineeiing for Women Dhankawadi, Pune-43

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B.V.'s College of Engineering for Women

Punc - 411043

Place: Pune

Date: 21/11/2023



This is to certify that the BE seminar report titled,

"Assessing Eligibility for Employability of Students using Data Mining Techniques"

Ву,

Vaishnavi Chalwa (B190343024)

Vaibhavi Danawale (B190343029)

Darshana Datir (41173)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of **Prof. Dr. S. S. Chorage** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **Bachelor's** degree of **Engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Punc - 411043

Place: Pune

Date:



This is to certify that the BE Seminar report of

"DETECTION AND CLASSIFICATION OF CATARACT DISEASE USING RESNET"

By, Yashashri Kulkarni (PRN NO. 72148035H)

Dhanshri Mahadik (PRN NO. 72293239B)

Mansi Pisal (PRN NO. 72293241D)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof. M.S.Kasar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at BharatiVidyapeeth's College of Engineering for Women ,Dhankawadi , Pune- 43

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SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

YEAR 2023-24

CERTIFICATE

This is to certify that the BE Project report of

"RASPBERRY PI BASED CALIBRATION SYSTEM"

Submitted by,

Bhosale Avantika Sunil (Seat No.: B190343008)

Bansode Smita Satyawan (Seat No.: B190343011)

Baviskar Mayuri Suresh (Seat No.: B190343012)

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Place: Pune

Date:

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This is to certify that the BE project titled,

"Water Quality Monitoring Using Wireless Sensor Network"

By.

Tejaswini Kumbhar(41209) Shreeya Kumbhar(41208) Khushi Shetty(41269)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof. S.M.Patil and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Pume - 411043

Place: Pune

Date: 20/11/2023



This is to certify that the BE project titled,

"FAKE ACCOUNT DETECTION USING MEACHINE LEARNING"

By, Sakshee Pawar (41236) NikitaShedage(41252) Prajakta Shinde(41257)

Of B.E. (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof.S.M.Bhilegaonkar** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of **bachelor's** degree of **Engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi,Pune-43

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Punc - 411043

Place:Pune

Date:



This is to certify that the BE Project titled,

"ML-Based Water Consumption Prediction Model Based on Agriculture, Population and Commercial Usage."

By,

Vaishali Deshmukh (B190343033) Ishwari Jadhav (B190343048) Vaibhavi Jarande (B190343052)

Of BE (Electronics & Telecommunication) is a bonafide work carried out under the guidance of Prof.Dr.V.R.Pawar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of a bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43.

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Place: Pune

Pune - 411043

Date 24.5.20



This is to certify that the BE Project titled,

"Student Attendance System Using 3D Face Recognition"

By,

Gayatri Himmat Ghadge(B190343043)

Goske Disha Prashant (B190343045)

Jagadale Vaishnavi Nitin (B190343051)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof.Dr.S.A.Dhole** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University atBharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Pune - 411043

Place: Pune

Date: 27/05/2024



This is to certify that the BE project titled,

"INTRUSION DETECTION SYSTEM USING MACHINE LEARNING"

By

Aarti Bhosale (B190343016)

Pragati Dhage (B190343134)

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Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof. S.A.Itkarkar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Pune - 411043

Place: Pune



This is to certify that the BE Project titled,

"BLOOD PRESSURE MEASUREMENT USING MACHINE LEARNING"

Ву,

Saee Kad (B190343055)

Nikita Kendre (B190343064)

Rutuja Kharche (B190343067)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of **Prof. Pranali Yawle** and it is approved for the fully fulfilment of the requirement of Savitribai Phule Pune University for the award of **Bachelor's** degree **Engineering** in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi, Pune-43.

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Date: 27/05/24

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This is to certify that the BE project titled,

"LUNG CANCER STAGE DETECTION"

By,

Chetana Dusane (B190343038)

Arpita Jadhav(B190343047)

Akanksha Aware(B190343008)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Dr.S.A.Dhole and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelors degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Place: Pune



This is to certify that the BE project titled,

"Real time Facial Emotion Detection using Machine Learning and OpenCV"

Submitted By,

Mahima Sonawane (Exam Seat No: B190343128)

Rutika Shinde (Exam Seat No: B190343124)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.Dr.S.M.Jagdale and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43.

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Place: Pune



This is to certify that the BE Project titled,

"PURGING THE POISON: A MACHINE LEARNING APPROACH TO FILTERING TOXIC COMMENTS"

By,

SIMANTINI GARUD (EXAM SEAT NO.B190343041)

ANUJA KADAM (EXAM SEAT NO.B190343056)

AISHWARYA KHAIRNAR (EXAM SEAT NO.B190343066)

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Place: Pune

Date: 24.5.24



This is to certify that the BE Project report of

"CLASSIFICATION AND DETECTION OF CROP DISEASES USING TRANSFER LERNING ALGORITHM"

Submitted By,

Shamal Madhav Karande (B190343063)

Vaishnavi Vinay Ashture (B190343143)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof.**V.P. Mulik and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune

University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhanakawadi,

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Place: Pune



This is to certify that the BE project titled,

"IRIS DETECTION AND AUTHENTICATION SYSTEM USING DEEP **LEARNING"**

By,

Aparna Adhav (Seat No.: B190343001)

Tapasya Ahire (Seat No.: B190343002)

Srushti Kadam (Seat No.: B190343059)

Of BE (Electronics & Telecommunication Engineering) is a bonafide work carried out by them under the guidance of Prof.S.M.Bhilegaonkar and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree of Engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43

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Place: Pune

Date 25-05-24



This is to certify that the BE Project report of

" Obesity Guard: Machine Learning for Early Detection & Preventioning "

Submitted by

Sakshi Shirke (B190343125)

Shweta Shivale (B190343126)

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Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of Prof.Dr.S.M. Rajbhoj and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University for the award of Bachelor's degree of Engineering in Electronics & Telecommunication at Bharati

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Head of the Department

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Electronic & Tele Communication

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Pune - 411043

Place: Pune

Date: 25 0 24



This is to certify that the BE Project titled,

"OBJECT DETECTION WITH DEEP LEARNING USING CNN"

Ву,

Sakshi Burrewar (B190343023)

Minal Chaudhari (B190343025)

Tejaswini Deshmukh (B190343131)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of **Prof.Dr.S.M.Rajbhoj** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in **Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-431

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This is to certify that the BE project titled,

"IOT BASED TEMPERATURE AND LIGHT CONTROL SYSYTEM USING RASPBERRY-PI"

Submitted By,

RUTUJA DHAVALE (Exam Seat No: B190343036)

RESHMA KADAM (Exam Seat No: B190343058)

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Prof.A.B. Vitekar

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Pune-Satara Road, Pune-411043.

Place: Pune

Date: 28 5 2024



This is to certify that the BE Project report of

"PREDICTION OF HUMAN MENTAL HEALTH USING NATURAL LANGUAGE PROCESSING"

by

Labdhi J. Shah. (B190343116)

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Pune - 411043

Place: PUNE

Date: 25-05-2024



This is to certify that the BE Project report of

"DETECTION AND CLASSIFICATION OF CATARACT USING CNN"

By,

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Place: Pune

Date: 24/05/2024



This is to certify that the BE Project titled,

"LANGUAGE TRANSLATOR USING DEEP LEARNING"

Submitted by,

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Place: Pune

Date: 27/05/24



This is to certify that the BE Project titled,

"Night Mode Object Detection And Tracking Using Deep Learning"

By,

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This is to certify that the BE Project titled,

"EMOTIONS CLASSIFICATION IN MUSIC USING MACHINE LEARNING ALGORITHM"

By,

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This is to certify that the BE Project titled,

"MACHINE LEARNING-BASED ABNORMALITY DETECTION IN NUCHAL TRANSLUCENCY MEASUREMENTS FOR PRENATAL SCREENING"

By,

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This is to certify that the BE Project titled,

"PROBE BASED CALIBRATION SYSTEM"

Ву,

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Of BE (Electronics & Telecommunication) is a bonafide work carried out under the guidance of **Prof. Dr. R. M. Shamalik** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of a bachelor's degree of Engineering in **Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43.**

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This is to certify that the BE project titled,

"Water Quality Monitoring Using Wireless Sensor Network"

Submitted by

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This is to certify that the BE Project report of

"DETECTION AND CLASSIFICATION OF CATARACT USING RESNET"

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This is to Certify that the BE Project report on

Smart Queue Management System with Real Time Tracking Using DNN

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This is to certify that the BE project titled,

"DEEP LEARNING BASED DEPRESSION ANALYSIS USING EEG SIGNALS"

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This is to certify that the BE Project titled,

"BLOOD PRESSURE MEASUREMENT USING MACHINE LEARNING"

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This is to certify that the BE project titled,

"SUGARCANE DISEASES DETECTION AND CLASSIFICATION USING CNN"

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Place: Pune

Date: 25 \$ 24



This is to certify that the BE project titled,

"MORDEN LOAN APPROVAL PREDICTION SYSTEM BASED ON MACHINE LEARNING"

Submitted By,

SAMIKSHA KOLI (Exam Seat No: B190343071)

ASHWINI MASAL (Exam Seat No: B190343006)

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This is to certify that the BE Project titled,

"RECOGNITION OF EMOTION IN MUSIC USING RNN"

Submitted By,

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Of BE (Electronic&Telecommunication) is a bonafide work carried out by them under the guidance of Prof.S.V.Shelkeand it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of engineering in Electronics & Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for WomenDhankawadi, Pune-43

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This is to certify that the BE project titled,

EXPLORATORY ANALYSIS OF GEOLOCATIONAL DATA

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Place: Pune



This is to certify that the BE project titled,

"ETHICAL HACKING AND PENETRATION TESTING USING RASPBERRY-PI"

Ву,

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This is to certify that the project report entitled

Submitted by

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are the Bonafide students of this institute and the work has been carried out by them under the supervision of **Prof. Dr. V. R. PAWAR** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** in Electronics and telecommunication Engineering.

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This is to certify that the BE project titled,

"MORDEN LOAN APPROVAL PREDICTION SYSTEM BASED ON MACHINE LEARNING"

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This is to certify that the BE project titled,

"IOT BASED TEMPERATURE AND LIGHT CONTROL SYSYTEM USING RASPBERRY-PI"

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This is to certify that the BE Project titled,

"PROBE BASED CALIBRATION SYSTEM"

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This is to certify that the BE Project titled,

"WSN Based Smart Agriculture System Using Lora Technology"

Ву,

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This is to certify that the BE Project report of

"PREDICTION OF HUMAN MENTAL HEALTH USING NATURAL LANGUAGE PROCESSING"

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This is to certify that the BE Project report of

"CLASSIFICATION AND DETECTION OF CROP DISEASES USING TRANSFER LERNING ALGORITHM"

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This is to certify that the BE Project report of

"A Measurement of Nuchal Translucency Based on ML Using RBFNN and DWT Algorithm"

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Swati Kotrange (B190343073)

Of BE (Electronics & Telecommunication) is a bonafide work carried out by them under the guidance of

Prof. Dr. K.R. Chaudhari and it is approved for the partial fulfillment of the requirement of Savitribai

Phule Pune University for the award of bachelor's degree of engineering in Electronics &

Telecommunication of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering

for Women Dhankawadi, Pune-43

Prof.Dr.K.R.Chaudhari

Prof. Dr.S.A.Dhole

Prof. Dr.S.R.Patil

Prof. Dr.P.V.Jadhav

Guide

Project Coordinator

Head of the Bepartment

Principal

Electronic & Tele Communication

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Rharet

PRINCIPAL

Bharati Vidyapeeth's

College of Engineering for Women Pune-Satara Road, Pune-411043.

Place: Pune

Date: 27/69/24



This is to certify that the BE Project titled,

"AI-Based Chatbot for College Enquiry"

Ву,

Baby 1 (B190343009)

Bandhu Devi 2 (B190343010)

Of BE (Electronics and Telecommunication) is a bonafide work carried out by them under the guidance of **Prof.S.T.Khot** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of bachelor's degree of **engineering in Electronics & Telecommunication** of Savitribai Phule Pune University at Bharati Vidyapeeth's College of Engineering for Women Dhankawadi, Pune-43.

Prof.S.T.Khot Prof.Dr.S.A.Dhole

Prof.Dr.S.R.Patil

Prof.Dr.P.V.Jadhav

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