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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 4th June 2022

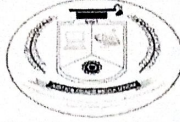
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This is to certify that **Ms. M.LAKSHMI**, bearing **Register No. 2013799608**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: ***IN VITRO* MASS PROPAGATION AND ISOLATION OF BIOACTIVE COMPOUNDS FROM COLEUS ZEYLANICUS (Benth.) L.H. Cramer. – A POTENT MEDICINAL PLANT**

Name of the Supervisor: **Dr. S. Nandagopal**

B. Sheela Rani
4/6/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 13th June 2022

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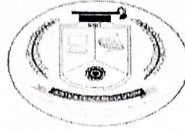
This is to certify that **Ms. POONGUZHALI. S**, bearing **Register No. 2016792123**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN INTELLIGENT TECHNIQUE FOR TELEMEDICINE USING DYNAMIC WIRELESS SENSOR NETWORK**

Name of the Supervisor: **Dr. Rekha Chakravarthi**

B. Sheela Rani
13/6/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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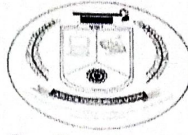
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This is to certify that **Mr. SASI KUMAR R**, bearing **Register No. 2014194109**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **PERFORMANCE AND EMISSION CHARACTERISTICS OF DIESEL ENGINE
FUELLED WITH PROSOPIS JULIFLORA OIL**

Name of the Supervisor: **Dr.G.Sankaranarayanan**

B. Sheela Rani
15/6/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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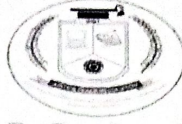
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This is to certify that **Mr. MANIGUNDAN K**, bearing **Register No. 2018199605**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **14th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **BIOPROSPECTING OF ACTINOBACTERIA FOR PLANT GROWTH AND DISEASE MANAGEMENT IN SOLANACEAE CROPS**

Name of the Supervisor: **Dr. Jerrine Joseph**

B. Sheela Rani
12/6/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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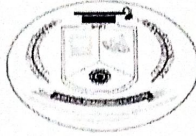
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. DHANRAJ .A.A**, bearing **Register No. 2014196103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Civil Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN EXPERIMENTAL INVESTIGATION ON CONCRETE WITH E-WASTE (FR4)
AS FINE AGGREGATE FOR ENHANCED THERMAL AND ACOUSTICAL
PROPERTIES**

Name of the Supervisor: **Dr.C.Selvamony**

B. Sheela Rani
17/6/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 20th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. A. SANTHI MARY ANTONY**, bearing **Register No. 2016193102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **PERFORMANCE ENHANCEMENT OF RE-BOOST CONVERTER FOR DFIG
BASED GRID CONNECTED SYSTEM**

Name of the Supervisor: **Dr. D. Godwin Immanuel**

B. Sheela Rani
20/6/2022

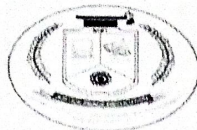
DIRECTOR (RESEARCH)

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DIRECTOR (RESEARCH)

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This is to certify that **Ms. THAJ MARY DELSY T**, bearing **Register No. 2013792118**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DEVELOPMENT OF SOFT COMPUTING TECHNIQUES FOR PLASMA
DISRUPTION ANALYSIS USING NON STATIONARY SIGNALS**

Name of the Supervisor: **Dr.N.M.Nandhitha**

B. Sheela Rani
20/6/2022

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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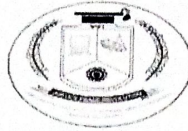
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This is to certify that **Ms. RAMYA G FRANKLIN**, bearing **Register No. 2016191113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **HEART DISEASE PREDICTION USING INPUT SPACE PARTITIONING AND DEEP LEARNING**

Name of the Supervisor: **Dr. B. Muthukumar**

B. Sheela Rani
21/6/2022
DIRECTOR (RESEARCH)
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Date: 24th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. BESTLEY JOE S**, bearing **Register No. 2016192202**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **INVESTIGATIONS ON THE ELECTRICAL CHARACTERISTICS OF CANTILEVER BEAM AND NANOWIRE BASED STRUCTURES FOR PIEZOELECTRIC ENERGY HARVESTING APPLICATIONS**

Name of the Supervisor: **Dr. Maflin Shaby. S**

B. Sheela Rani
24/6/2022

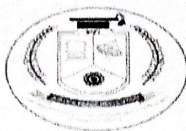
DIRECTOR (RESEARCH)

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Date: 24th June 2022

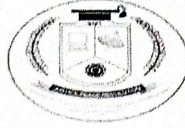
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This is to certify that **Mr. RAMESH BABU. A**, bearing **Register No. 2014194104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **EFFECT OF NANO PARTICLES ON FUEL INJECTION IN VARIABLE COMPRESSION RATIO ENGINE (VCR)**

Name of the Supervisor: **Dr.G.Senthilkumar**

B. Sheela Rani
24/6/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 27th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SUDHEERA K**, bearing **Register No. 2013192402**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **STUDY AND DEVELOPMENT OF DENOISING AND CONTRAST
ENHANCEMENT TECHNIQUE FOR EFFECTIVE FLAW CHARACTERIZATION BY
MATHEMATICAL MODELING FROM UT SIGNALS**

Name of the Supervisor: **Dr.N.M.Nandhitha**

B. Sheela Rani
27/6/2022

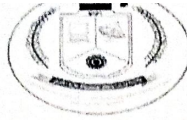
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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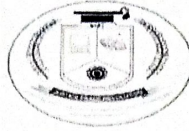
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This is to certify that **Mr. ARAVIND A R**, bearing **Register No. 2016192120**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **SENSOR DATA GENERATION RATE INDEPENDENT GRID BASED DYNAMIC ROUTE (GBDR) PROTOCOL FOR WSN AT DIFFERENT SINK'S SPEED**

Name of the Supervisor: **Dr. Rekha Chakravarthi**

B. Sheela Rani
27/6/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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This is to certify that **Ms. SUPRIYA. S**, bearing **Register No. 2015191112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **SECURE VEHICLE DATA TRANSMISSION, TWO PHASE AUTHENTICATION AND EFFICIENT PRIVACY PRESERVATION FOR VANET**

Name of the Supervisor: **Dr. B.Bharathi**

B. Sheela Rani
27/6/2022

DIRECTOR (RESEARCH)

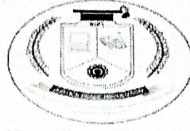
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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 28th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAJINIKANTH.E**, bearing **Register No. 2011792107**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **INTEROPERABILITY IN HETEROGENEOUS WIRELESS NETWORKS**

Name of the Supervisor: **Dr. S.Jayashri**

B. Sheela Rani
28/6/2022

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 28th June 2022

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This is to certify that **Mr. MURUGAN A**, bearing **Register No. 2014793111**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **MODELLING AND CONTROL OF A MULTIMACHINE POWER SYSTEM WITH FACTS CONTROLLER**

Name of the Supervisor: **Dr. V.Ramakrishnan**

B. Sheela Rani
28/6/2022

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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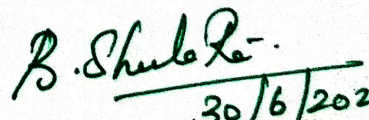
Date: 30th June 2022

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This is to certify that **Mr. VIJAYAN .R**, bearing **Register No. 2014194101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **STUDIES ON MECHANICAL AND TRIBOLOGICAL CHARACTERISTICS OF NATURAL FIBER REINFORCED COMPOSITES**

Name of the Supervisor: **Dr. A. Krishnamoorthy**


30/6/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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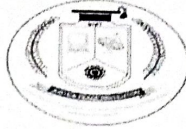
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This is to certify that **Ms. ADELINE SNEHA J**, bearing **Register No. 2015792201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DEVELOPMENT OF ENERGY EFFICIENT IMAGE FEATURE TRANSMISSION IN WSN FOR MICRO REGION PEST CONTROL**

Name of the Supervisor: **Dr.Rekha Chakravarthi**

B. Sheela Rani
21/7/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 2nd July 2022

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This is to certify that **Ms. FRANKLIN THAMIL SELVI.M.S**, bearing **Register No. 2015199202**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th June 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **HARMONIOUS COLORING AND LABELLING OF SYMMETRIC
INTERCONNECTION NETWORKS**

Name of the Supervisor: **Dr. A. Amutha**


2/7/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 4th July 2022

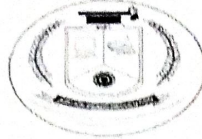
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. USTHULAMURI PENCHALAI**, bearing **Register No. 2016192101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **STUDY AND PERFORMANCE ANALYSIS OF VARIOUS TRUNCATED MULTIPLIER FOR LOW POWER VLSI**

Name of the Supervisor: **Dr.V.G.Sivakumar**

B. Sheela Rani
4/7/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)
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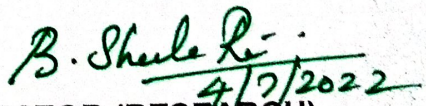
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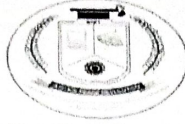
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. BRUMANCIA. E**, bearing **Register No. 2015191103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **ENHANCED DATA FUSION MODEL FOR WIRELESS SENSOR NETWORKS**

Name of the Supervisor: **Dr. S. Justin Samuel**


DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 8th July 2022

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This is to certify that **Mr. VALANTO ALAPPAT**, bearing **Register No. 2014191210**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **ANALYSIS OF SECURITY MECHANISMS AND ENERGY EFFICIENT TECHNIQUES USING MULTI PATH ROUTING IN MANET**

Name of the Supervisor: **Dr. Joe Prathap P.M**

B. Sheela Rani
8/7/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 8th July 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PREMA LATHA. J**, bearing **Register No. 2013191118**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DELAY AWARE CHANNEL QUALITY BASED DISORDER DETECTION USING ROBOTICS AND CONNECTIVITY SEARCH FOUNDED THROUGH PROBABILITY ASSESSMENT IN USN**

Name of the Supervisor: **Dr. Joe Prathap P.M**

B. Sheela Rani
8/7/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)
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Date: 9th July 2022

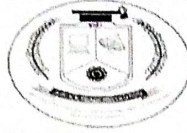
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ANSHAD A S**, bearing **Register No. 2013192101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **ENHANCED ENERGY MANAGEMENT IN WSN USING SECURITY ALGORITHMS**

Name of the Supervisor: **Dr.R.Radhakrishnan**

B. Sheela Rani
9/7/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)
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This is to certify that **Ms. ROOBINI M.S.**, bearing **Register No. 2016191105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **IDENTIFICATION OF COGNITIVE IMPAIRMENT BY ANALYZING TYPE 2 DIABETES PATIENTS USING SOFT COMPUTING TECHNIQUES**

Name of the Supervisor: **Dr M.Lakshmi**

B. Sheela Rani
9/7/2022

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. BHAMARE BHAVANA RAGHUNATH**, bearing Register No. **2015191102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **A NOVEL SUPERVISED METHODOLOGY FOR ASPECT BASED SENTIMENT ANALYSIS USING A MULTIVARIATE FILTER BASED TWO PHASE WEIGHTED CORRELATION FEATURE SELECTION ALGORITHM**

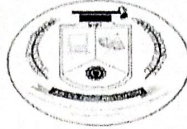
Name of the Supervisor: **Dr. P. Jeyanthi**

B. Shree Ravi
11/7/2022

DIRECTOR (RESEARCH)

Dr B SHREE RAVI MSc By Research, PhD
DIRECTOR (RESEARCH)

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Date: 11th July 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VISHNU PRIYA. G**, bearing **Register No. 2015191113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN ENERGY EFFICIENT SECURE CLUSTER ROUTING PROTOCOL FOR DATA GATHERING IN WSN USING MOBILE SINK**

Name of the Supervisor: **Dr. R. Ramachandran**

B. Sheela Rani
11/7/2022

DIRECTOR (RESEARCH)

Dr. B. SHEELARANI, M.S (By Research), Ph.D.
DIRECTOR (RESEARCH)

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Date: 11th July 2022

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This is to certify that **Mr. E.VISWANATHAN**, bearing **Register No. 2014199302**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Physics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **THEORETICAL INVESTIGATION ON IMPROVING THE HARDNESS OF NOVEL SUPERHARD MATERIALS BY DOPING**

Name of the Supervisor: **Dr.M.Sundareswari**

B. Sheela Rani
11/7/2022

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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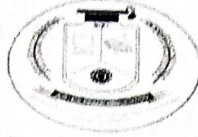
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This is to certify that **Ms. ROSELIN JENIFER D**, bearing **Register No. 2013795104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Bio Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **ISOLATION OF 2, 4 DI-TERT BUTYL PHENOL FROM Plumbago zeylanica AND ITS ANTICANCER ACTIVITY AGAINST MATRIX METALLOPROTEINASE AN IN-SILICO AND IN-VITRO STUDY**

Name of the Supervisor: **Dr. B.R.Malathy**

B. Sheela Rani
11/7/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 15th July 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PORSELVI .W**, bearing **Register No. 2011198122**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Management**, Sathyabama Institute of Science and Technology, Chennai – 119.

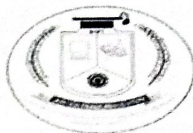
Title: **MEASURING THE IMPACT OF SERVICE QUALITY ON CUSTOMER SATISFACTION OF ONLINE BANKING - A STUDY**

Name of the Supervisor: **Dr. D.Jublee**

B. Sheela Rani
15/7/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 16th July 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PRIYADHARSINI P**, bearing **Register No. 2015799401**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Chemistry)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **INVITRO ANALYSIS OF BIOETHANOL PRODUCTION USING REJECTS OF Kappaphycus alvarezii BLENDED WITH FOOD WASTE**

Name of the Supervisor: **Dr. Dawn S.S**

B. Sheela Rani
16/7/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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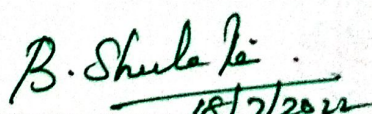
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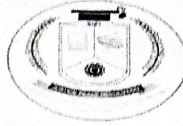
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This is to certify that **Mr. GAIKWAD MAHENDRA UTTAM**, bearing **Register No. 2017794103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **EXPERIMENTAL INVESTIGATION OF SURFACE INTEGRITY PARAMETERS IN ELECTRICAL DISCHARGE MACHINING (EDM) PROCESS**

Name of the Supervisor: **Dr.A.Krishnamoorthy**


DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)
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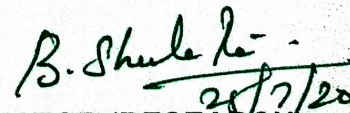
Date: 25th July 2022

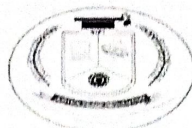
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SUGANYA M**, bearing **Register No. 2018199303**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Physics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **GROWTH, STRUCTURAL, OPTICAL AND MECHANICAL PROPERTIES OF CERTAIN RARE EARTH PEROVSKITE AND PYROCHLORE TITANATES SINGLE CRYSTALS**

Name of the Supervisor: **Dr.Amirdha Sher Gill**


25/7/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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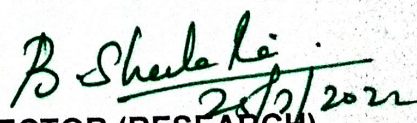
Date: 25th July 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PURUSHOTHAMAN V**, bearing **Register No. 2013792110**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **PERFORMANCE IMPROVEMENT IN DIGITAL HEARING AID USING RECONFIGURABLE FILTER**

Name of the Supervisor: **Dr.R.Ramadevi**


25/7/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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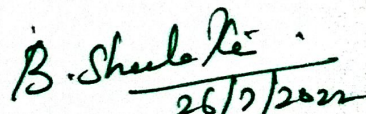
Date: 26th July 2022

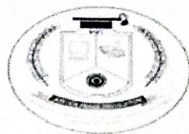
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. LILLY GRACE . P**, bearing **Register No. 2011796203**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Architecture**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **EVALUATION OF FIRE AND LIFE SAFETY PASSIVE MEASURES OF MALL BUILDINGS**

Name of the Supervisor: **Dr. V. Sampath Kumar**


26/7/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)
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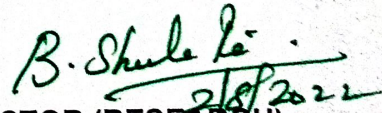
Date: 2nd August 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. JAYAKUMAR P**, bearing **Register No. 2017194110**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th July 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DEVELOPMENT OF SEMI-AUTOMATIC BLOOD GROUP AND CROSS MATCH IDENTIFICATION SYSTEM WITH BIO-DEGRADABLE NANOMATERIAL COATED PAPER**

Name of the Supervisor: **Dr. S. Padmanabhan**


DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 4th August 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that. **Ms. A. ANTONY MARY**, bearing **Register No. 2015199203**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st August 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **A STUDY ON SLOPE NUMBER AND DOMATIC NUMBER ON CERTAIN INTERCONNECTION NETWORKS**

Name of the Supervisor: **Dr. A. Amutha**

B. Sheela Rani
4/8/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 6th August 2022

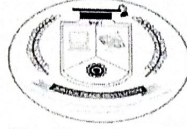
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. M.PRASANNA JEYANTHI**, bearing **Register No. 2016199206**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd August 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **A STUDY ON NUMERICAL SOLUTIONS OF MAGNETOHYDRODYNAMIC FLOW THROUGH DUCTS**

Name of the Supervisor: **Dr. S.Ganesh**


DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai – 600 119.



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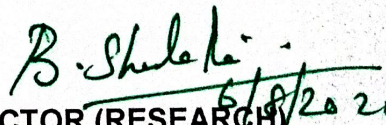
Date: 6th August 2022

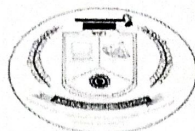
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. CHANDRA SEKAR P**, bearing **Register No. 2014199203**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd August 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **NUMERICAL ANALYSIS OF FLUID FLOW BETWEEN TWO PARALLEL PLATES SUBJECT TO INCLINED MAGNETIC FIELD**

Name of the Supervisor: **Dr. S.Ganesh**


DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 8th August 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. S.PARTHASARATHY**, bearing **Register No. 2011199402**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th August 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Chemistry)**, Sathyabama Institute of Science and Technology, Chennai – 119.

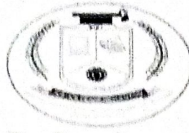
Title: **DEVELOPMENT OF SOME REMOTE ADAPTABLE ANALYTICAL METHODS AND SYSTEMS FOR ANALYSES OF RADIOACTIVE SAMPLES**

Name of the Supervisor: **Dr V.Ganesh Kumar**

B Sheela Rani
8/8/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 16th August 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ANBUMANI K**, bearing **Register No. 2014192305**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th August 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **MODELLING AND ANALYSIS OF NONLINEAR MULTIVARIABLE PROCESS USING SOFT COMPUTING TECHNIQUES**

Name of the Supervisor: **Dr.R.Rani Hemamalini**,

B. Sheela Rani
16/8/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 25th August, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAVI S**, bearing **Register No. 2014794118**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **STUDIES ON THE EFFECT OF CETANE IMPROVER ADDITIVES ON THE PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS OF DIESEL/WASTE PLASTIC OIL/PROPANOL BLENDS IN C.I ENGINE**

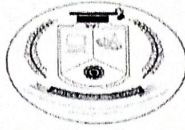
Name of the Supervisor: **Dr. A. Karthikeyan**

B. Sheela Rani
25/8/2022

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 26th August, 2022

TO WHOMSOEVER IT MAY CONCERN

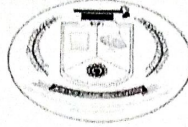
This is to certify that **Ms. R. DHANALAKSHMI**, bearing **Register No. 2016191106**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **CLUSTERING AND ACTIVITY SELECTION FOR TRAINING SPECIAL**

CHILDREN USING UTILITY PATTERN MINING

Name of the Supervisor: **Dr.B.Muthukumar**

B. Sheela Rani
26/8/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 29th August, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PREETHAA GANESH**, bearing **Register No. 2019798103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Management**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DETERMINANTS OF SUSTAINABILITY AMONG WOMEN ENTREPRENEURS**

Name of the Supervisor: **Dr.S.S.Rao**


DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 29th August, 2022

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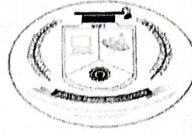
This is to certify that **Ms. DEENA G**, bearing **Register No. 2014791105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN INTELLIGENT TUTORING SYSTEM FOR E-LEARNING USING COGNITIVE ANALYSIS AND ADAPTIVE TESTING**

Name of the Supervisor: **Dr. K. Raja**

B. Sheela Rani
29/8/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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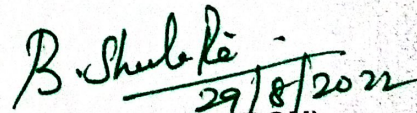
Date: 29th August, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MEENA DEVI R**, bearing **Register No. 2013193102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **SEPIC CONVERTER FED PERMANENT MAGNET BRUSHLESS DC MOTOR DRIVE**

Name of the Supervisor: **Dr. L. Premalatha**


DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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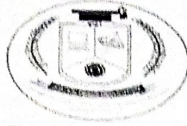
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ANAND V W J**, bearing **Register No. 2014199202**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **A NUMERICAL STUDY OF UNSTEADY GAS SOLID FLUID FLOW BETWEEN PARALLEL POROUS PLATES SUBJECTED TO INCLINED MAGNETIC FIELD.**

Name of the Supervisor: **Dr. S. Ganesh**

B. Sheela Rani
30/8/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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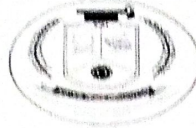
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This is to certify that **Mr. GOPI KRISHNA.D**, bearing **Register No. 2015192301**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **PREDICTIVE MAINTENANCE OF WIND TURBINES**

Name of the Supervisor: **Dr. Barani Selvaraj**

B. Sheela Rani
30/8/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)
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Date: 30th August, 2022

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This is to certify that **Ms. PRIYA S V**, bearing **Register No. 2009792120**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN EFFICIENT RECONFIGURABLE FRAMEWORK FOR IMPULSE NOISE REMOVAL IN HIGHLY CORRUPTED IMAGES.**

Name of the Supervisor: **Dr. R.Seshasayanan**

B. Sheela Rani
20/8/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Date: 30th August, 2022

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This is to certify that **Ms. AISWARYA G**, bearing **Register No. 2014198101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Management**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **ROLE OF BRAND EXPERIENCE ON APPAREL SHOPPING BEHAVIOUR AND PURCHASE INTENSION OF WOMEN**

Name of the Supervisor: **Dr.Jayasree Krishnan**

B. Sheela Rani
20/8/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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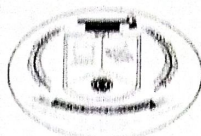
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MARUDACHALAM. N**, bearing **Register No. 2010199505**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Computer Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DATA CLEANING AND TRANSFORMATION TECHNIQUES USING CLUSTER ANALYSIS IN VIRTUALLY INTEGRATED ENVIRONMENTS**

Name of the Supervisor: **Dr. M. Ramakrishnan**

B. Sheela Rani
2/9/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 2nd September 2022

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This is to certify that **Ms. KAVISRI M**, bearing **Register No. 2017196106**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Civil Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

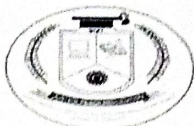
Title: **EFFECTIVE REMOVAL OF FLUORIDE FROM DRINKING WATER USING MARINE MICROALGAE *Dunaliella salina***

Name of the Supervisor: **Dr.Marykutty Abraham**

B. Sheela Rani
2/9/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 2nd September 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. LAKKIREDDY SAI INDRA SENA REDDY**, bearing **Register No. 2017196109**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Civil Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

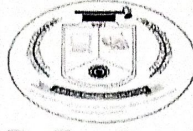
Title: **MECHANICAL AND DURABILITY CHARACTERISTICS OF HIGH PERFORMANCE BLENDED TERNARY CONCRETE USING NANO SILICA AND ROBO SAND**

Name of the Supervisor: **Dr.Marykutty Abraham**

B. Sheela Rani
21/9/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)

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Date: 2nd September 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. RADHIKA VIKAS KULKARNI**, bearing **Register No. 2014791114**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

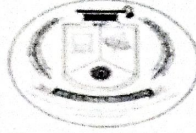
Title: **AN APPROACH FOR ADAPTIVE LEARNING OF IMBALANCED AND CONCEPT DRIFTED DATA STREAMS**

Name of the Supervisor: **Dr. S. Revathy**

B. Sheela Rani
2/9/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 2nd September 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. S. PUSHPA LATHA**, bearing **Register No. 2012791113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th August, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN EFFICIENT DETECTION MECHANISM TO DEFEND AGAINST JAMMING
ATTACK IN MOBILE AD HOC NETWORK**

Name of the Supervisor: **Dr.R.Sabitha**

B. Sheela Rani
2/9/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 5th September, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that. **Mr. RAKESH KUMAR SIDHESHWARE**, bearing **Register No. 2017794102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st September, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

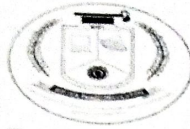
Title: **PERFORMANCE INVESTIGATION OF MAGNETIC FIELD EFFECT ON HYDROCARBONS**

Name of the Supervisor: **Dr. S Ganesan**

B. Sheela Rani
5/9/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 5th September, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. RAGHAVI K**, bearing **Register No. 2012798104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st September, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Management**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **EQUAL EMPLOYMENT OPPORTUNITY FOR THE DIFFERENTLY- ABLED CLASS TOWARDS JOB SATISFACTION - A STUDY WITH REFERENCE TO THE IT INDUSTRY IN CHENNAI**

Name of the Supervisor: **Dr. N. Gopinathan**

B. Sheela Rani
5/9/2022

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 5th September, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SASIKALA R**, bearing **Register No. 2014193108**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st September, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **INVESTIGATION OF SINGLE STAGE PFC AC-DC CONVERTER FOR LED LIGHTING APPLICATION**

Name of the Supervisor: **Dr. R.Seyezhai**

B. Sheela Rani
5/9/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 5th September, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MANIRAJ S P**, bearing **Register No. 2018191113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st September, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

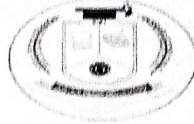
Title: **A FRAME WORK FOR CLASSIFYING DERMOSCOPIC IMAGES USING SOFT COMPUTING APPROACHES**

Name of the Supervisor: **Dr. P. Sardar Maran**

B. Sheela Rani
5/9/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 5th September, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DHILSATH FATHIMA. M**, bearing **Register No. 2016791111**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd September, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **CLINICAL DECISION SUPPORT SYSTEMS USING MACHINE LEARNING
ALGORITHMS FOR LIFESTYLE DISEASES FOR IMPROVED PREDICTION
EFFICIENCY**

Name of the Supervisor: **Dr. S. Justin Samuel**

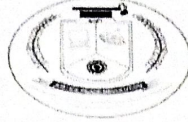
B. Sheela Rani
5/9/2022
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)

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Date: 6th September, 2022

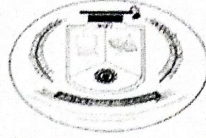
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. NAGARJUNA T**, bearing **Register No. 2017792104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd September, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **GFDM BASED CONCATENATED LDPC CODES TO IMPROVE THE PERFORMANCE OF USRP OPERATED COMMUNICATION SYSTEMS**

Name of the Supervisor: **Dr. S. Lakshmi**

B. Sheela Rani
6/9/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Date: 6th September, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KAVIARASU B**, bearing **Register No. 2014192116**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd September, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DESIGN, SYNTHESIS PERFORMANCE EVALUATION OF NANOROBOT**

Name of the Supervisor: **Dr. A. Sivabalan**

B. Sheela Rani
6/9/2022

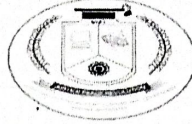
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)

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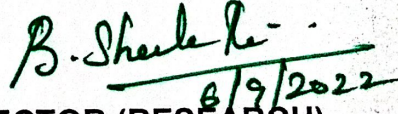
Date: 6th September, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DHANALAKSHMI A**, bearing **Register No. 2016192113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd September, 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **PERFORMANCE ENHANCEMENT OF HEVC SCALABLE EXTENSION USING CONVOLUTIONAL NEURAL NETWORK**

Name of the Supervisor: **Dr. G. Nagarajan**


6/9/2022
DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 20th October, 2022

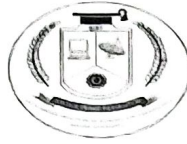
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SOBHANADRI ANANTHA**, bearing **Register No. 2017194103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th October 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **HEAT TRANSFER AUGMENTATION WITH SPIRAL FLOW AND DOUBLE PIPE HEAT EXCHANGERS**

Name of the Supervisor : **Dr.G.Senthilkumar**

B. Shubha Rai
20/10/2022
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 1st November, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. DILIPSINGH J**, bearing **Register No. 2016794108**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th October 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **MEASUREMENT OF VOLUME FRACTION OF AIR IN WATER**

Name of the Supervisor : **Dr.G.Senthilkumar**

B. Shalee Ti.
11/11/2022

DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 11th November, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PRABHUDASS J M**, bearing **Register No. 2014194201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th November 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXPERIMENTAL INVESTIGATION & ANALYSIS OF MECHANICAL, THERMAL PROPERTIES & STRUCTURAL INTEGRITY OF MWCNT FILLED BAMBOO/KENAF HYBRID POLYMER COMPOSITES**

Name of the Supervisor : **Dr. K. Palanikumar**

B. Shukla
11/11/2022
DIRECTOR (RESEARCH)



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Date: 11th November, 2022

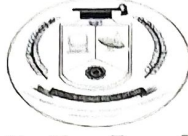
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PADMAVATHI B**, bearing **Register No. 2016791110**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th November 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DEVELOPMENT OF AN EFFECTIVE AND SCALABLE MACHINE-LEARNING BASED BOTNET PREDICTION AND DETECTION MECHANISM IN NETWORK TRAFFIC**

Name of the Supervisor : **Dr. B. Muthukumar**

B. Shubha
11/11/2022
DIRECTOR (RESEARCH)



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Date: 18th November, 2022

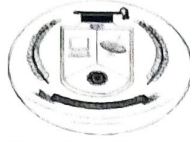
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This is to certify that **Ms. SYLVIA GRACE J**, bearing **Register No. 2016191103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th November 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **GCLOUD SERVICE RELIABILITY FOR EAAS IN A HYBRID CLOUD USING SYL's ALGORITHM**

Name of the Supervisor : **Dr. Meeragandhi G**

B. Shukla
18/11/2022
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 25th November, 2022

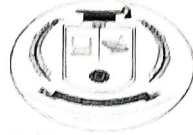
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAJAPRABHU. G**, bearing **Register No. 2013799603**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th November 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **FEASIBILITY AND PROGRESS OF OPEN SEA CAGE CULTURE IN INDIAN SCENARIO**

Name of the Supervisor : **Dr. R. Kirubakaran**

B. Shula R.
25/11/2022
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 9th December, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KAVITHA KUMARI K S**, bearing **Register No. 2015793104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd December 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EFFECTIVE COST REDUCTION IN MICROGRID USING HYBRID OPTIMIZATION TECHNIQUES**

Name of the Supervisor : **Dr. SAMUEL RAJESH BABU.R**

B. Shukla
9/12/2022
DIRECTOR (RESEARCH)



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Date: 12th December, 2022

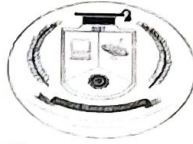
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MAGTHELIN THERASE L**, bearing **Register No. 2014192108**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6th December 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DESIGN AND DEVELOPMENT OF COMPACT MULTIBAND/ WIDEBAND MICROSTRIP ANTENNAS FOR WIRELESS APPLICATIONS**

Name of the Supervisor : **Dr. T. JAYANTHY**

B. Shulake
12/12/2022
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 14th December, 2022

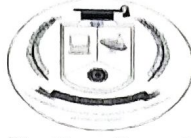
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JYOTSNA**, bearing **Register No. 2016795102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th December 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Bio Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DEVELOPMENT, CHARACTERIZATION AND APPLICATION OF CELL LINES FROM MOSQUITOFISH (*Gambusia affinis*, BAIRD AND GIRARD, 1853)**

Name of the Supervisor : **Dr.V. Parameswaran**

B. Shubha
14/12/2022
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 15th December, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. RAJALAKSHMI. G**, bearing **Register No. 2014192201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th December 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **QUALITY EVALUATION OF HONEY USING SPECTROSCOPIC TECHNIQUES**

Name of the Supervisor : **Dr. A. GOPAL**

B. Shukla
15/12/2022
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2022

Date: 19th December, 2022

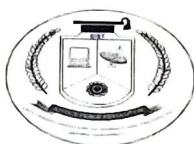
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. AGNES SHIFANI. S**, bearing **Register No. 2016792116**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th December 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **PRECISE STRAIN MEASUREMENT USING DIGITAL IMAGE CORRELATION**

Name of the Supervisor : **Dr.M.S. GODWIN PREMI**

B. Shubek
14/12/2022
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 4th January, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SMITHA G L**, bearing **Register No. 2011191124**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st December 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXPLORING THE OPTIMIZED ALGORITHMS FOR ENHANCING THE SECURITY AND IMAGE QUALITY IN IMAGE STEGANOGRAPHY**

Name of the Supervisor : **Dr. E. BABURAJ**

B. Shubha
04/1/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 4th January, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. B.VINOTH**, bearing **Register No. 2013199614**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd December 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Computer Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **SEED SELECTION SYSTEM FOR PADDY CULTIVATION USING DATA MINING TECHNIQUES**

Name of the Supervisor : **Dr. N.M.Elango**

B. Shukla
04/01/2023
DIRECTOR (RESEARCH)



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Date: 11th January, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. GANDAL GANESH RAMBHAU**, bearing **Register No. 2016199204**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6th January 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A STUDY ON VERY STRONGLY PERFECT AND TRIVIALY PERFECT GRAPHS**

Name of the Supervisor : **Dr. R. Mary Jeya Jothi**

B. Shubaki
11/01/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 18th January, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. JERRY ALEXANDER T**, bearing **Register No. 2014192306**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th January 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **CERTAIN INVESTIGATIONS ON RESTORATION OF DEGRADED ANCIENT
HANDWRITTEN MANUSCRIPTS**

Name of the Supervisor : **Dr. S.SURESH KUMAR**

B. Shubha
18/1/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 27th January, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SARANYA G**, bearing **Register No. 2018791201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd January 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DESIGN OF SCHEMES FOR FEATURE SELECTION USING SENSITIVITY AND CORRELATION ANALYSIS IN SUPERVISED CLASSIFICATION**

Name of the Supervisor : **Dr. A. PRAVIN**


27/1/2023
DIRECTOR (RESEARCH)



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Ref. No. Sathyabama/ Ph.D/AR/2023

Date: 27th February, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.NANDHINI S**, bearing **Register No. 2018191121**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **31st January 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A FRAMEWORK FOR DETECTION AND CLASSIFICATION OF PLANT LEAF DISEASES USING CNN OPTIMIZED BY EVOLUTIONARY METHODS**

Name of the Supervisor : **Dr. K. ASHOK KUMAR**

B. Shukla Rao
27/2/2023

DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 13th February, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MINU M S**, bearing **Register No. 2018791111**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **SECURE IMAGE TRANSMISSION WITH MULTI-LABEL SCENE CLASSIFICATION
MODEL USING AI FOR UNMANNED AERIAL VEHICLES**

Name of the Supervisor : **Dr. R. Aroul Canessane**

B. Shree Rai
13/2/2023
DIRECTOR (RESEARCH)



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Date: 13th February, 2023

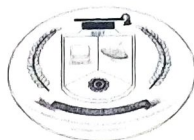
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. JADHAV NILAM PANDURANG**, bearing Register No. 2012794103, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on 2nd **February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INVESTIGATION AND ANALYSIS OF TUBE FIN CONDENSER WITH DIFFERENT DESIGN PARAMETERS AND REFRIGERANTS FOR BETTER ENERGY EFFICIENCY**

Name of the Supervisor : **Dr. V.K.Bupesh Raja**

B. Shubha Rao
13/2/2023
DIRECTOR (RESEARCH)



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Ref. No. Sathyabama/ Ph.D/AR/2023

Date: 13th February, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MUTHUMARI M**, bearing **Register No. 2019799301**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **3rd February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Physics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **FIRST PRINCIPLES INVESTIGATION OF TIN TELLURIDE: SYNERGISTIC EFFECT OF BISMUTH AND SELENIUM CO-DOPING**

Name of the Supervisor : **Dr. M.Manjula**

B. Shukla
13/2/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 13th February, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. LAKSHMI D**, bearing **Register No. 2013791105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DEVELOPMENT OF MULTIMODAL EMOTION CLASSIFICATION SYSTEM WITH USABILITY FEATURES**

Name of the Supervisor : **Dr. R. Ponnusamy**

B. Shubha R.
18/2/2023
DIRECTOR (RESEARCH)



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Date: 13th February, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PAULIN PAUL**, bearing **Register No. 2014199613**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Computer Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **NEURO-FUZZY BASED ASCVD RISK PREDICTION MODEL USING NON-TRADITIONAL IMAGE MARKERS**

Name of the Supervisor : **Dr. Priestly B. Shan**


13/2/2023
DIRECTOR (RESEARCH)



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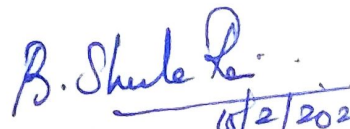
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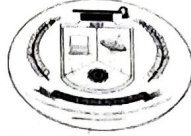
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. J.SEBASTIAN LAWRENCE**, bearing **Register No. 2014199201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ROLE OF IDEALS IN GENERATING NEW SETS AND FUNCTIONS IN IDEAL AND SOFT IDEAL TOPOLOGICAL SPACES**

Name of the Supervisor : **Dr.R.Manoharan**


15/2/2023
DIRECTOR (RESEARCH)



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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.SHEELA.S**, bearing **Register No. 2014792102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ANALYSIS AND CHARACTERIZATION OF OVARIAN CYSTS USING ULTRASOUND IMAGES**

Name of the Supervisor : **Dr. M SUMATHI**

B. Shula R.
27/2/2023
DIRECTOR (RESEARCH)



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Date: 27th February, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. UMER KHALIFA S**, bearing **Register No. 2016799603**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INTERACTIVE IMPACT OF TEMPERATURE AND pH ON COASTAL PLANKTON COMMUNITY OF BAY OF BENGAL WITH IMPLICATIONS TO CLIMATE CHANGE**

Name of the Supervisor : **Dr. Vinitha Ebenezer**

B. Shubha
27/2/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 27th February, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. C.LAKSHMI**, bearing **Register No. 2015192117**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DESIGN OF AREA AND POWER EFFICIENT HYBRID CRYPTOPROCESSOR FOR STEGANOGRAPHY IN MIMO-OFDM NETWORKS**

Name of the Supervisor : **Dr. P. Jesu Jayarin**

B. Shulake
27/2/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 6th March, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SUJA CHERUKULLAPURATH MANA**, bearing Register No. **2018791133**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th February 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EFFICIENT APPROACHES TO DETECT AND CLASSIFY MARINE FISH SPECIES USING DEEP LEARNING**

Name of the Supervisor : **Dr. T. SASIPRABA**


10/3/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 10th March, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. RAJI P K**, bearing **Register No. 2014196101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **3rd March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Civil Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A RESTORATIVE BIOREMEDIATION STUDY OF THREATENED LAKES IN PERI URBAN AREAS OF CHENNAI**

Name of the Supervisor : **Dr. Marykutty Abraham**

B. Shule Raj
10/3/23.
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 10th March, 2023

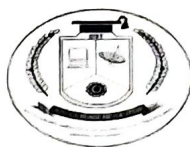
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VASANTHI.G**, bearing **Register No. 2016192111**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ENERGY CONSERVATION AND EFFICIENT CLUSTER-TREE BASED DATA COLLECTION SCHEME FOR WIRELESS SENSOR NETWORKS**

Name of the Supervisor : **Dr.N.Prabakaran**

B. Shubha Devi
10/3/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 13th March, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.SANGEETHA.M**, bearing **Register No. 2015791109**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **HYPERPARAMETER OPTIMIZATION USING DEEP LEARNING METHODOLOGY FOR SOFTWARE BUG PREDICTION AND TEST CASE PRIORITIZATION TO IMPROVE SOFTWARE QUALITY**

Name of the Supervisor : **Dr. S. MALATHI**

B. Shule
13/3/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 13th March, 2023

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This is to certify that **Ms.PRIYADHARSHINI.K**, bearing **Register No. 2018191111**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **OPTIMIZED KEY GENERATION AND MACHINE LEARNING BASED BLOCKCHAIN**

MODEL FOR DATA SECURITY IN IOT-CLOUD ENVIRONMENT

Name of the Supervisor : **Dr.R.AROUL CANESSANE**

B. Shubala
13/3/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 20th March, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. ADILAKSHMI KAMESWARI. V**, bearing **Register No. 2014791101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **SOCIAL NETWORK ANALYSIS FOR TRUTH DISCOVERY AND INTELLIGENT DECISION MAKING**

Name of the Supervisor : **Dr. R.SUBHASHINI**

B. Shulake
20/3/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 31st March, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. R. LAVANYA**, bearing **Register No. 2018791102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ENHANCED MOVIE RECOMMENDATION SYSTEM USING HYBRID MULTI FACTOR FILTERING MECHANISM AND OPINION MINING**

Name of the Supervisor : **Dr.B.Bharathi**

B. Shukla Rai
31/3/2023
DIRECTOR (RESEARCH)



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Date: 12th April, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JANE AUSTEN.I**, bearing **Register No. 2019799105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Humanities (English)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **SURVIVAL OF THE VICTIMS OF TRAUMA IN THE SELECT NOVELS OF TONI MORRISON, AMY TAN AND KHALED HOSSEINI**

Name of the Supervisor : **Dr.M.Avinash**

B. Shula R.
19/4/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 12th April, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DEVA HEMA D**, bearing **Register No. 2018791107**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **AN EFFICIENT DEEP LEARNING FRAMEWORK FOR AUTOMOBILE'S REAR END
CRASH RISK PREDICTION**

Name of the Supervisor : **Dr.K.Ashok Kumar**

B. Shree Ravi
4/4/2023

DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 12th April, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DHARINI T**, bearing **Register No. 2015199302**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Physics)** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INVESTIGATION ON STRUCTURAL, MORPHOLOGICAL, NANOMECHANICAL AND TRIBOLOGICAL BEHAVIOUR OF YSZ AND Ni-YSZ BASED DIFFUSION BARRIER COATINGS ON NICKEL BASE SUPERALLOY PREPARED BY ELECTRON BEAM EVAPORATION TECHNIQUE FOR NUCLEAR APPLICATIONS**

Name of the Supervisor: **Dr.P.Kuppusami**

B. Shula Sai
19/4/2023
DIRECTOR (RESEARCH)



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Date: 12th April, 2023

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This is to certify that **Ms. DEEPA R**, bearing **Register No. 2018191201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th March 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **AUTOMATED AGRICULTURAL ONTOLOGY CONSTRUCTION USING MACHINE
LEARNING ARCHITECTURE**

Name of the Supervisor : **Dr.S.Vigneshwari**


19/4/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 19th April, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Sini Rahuman**, bearing **Register No. I201819921**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **COMPUTATIONAL FLUID DYNAMICS SIMULATION AND ANALYSIS OF FLOW AROUND MANGROVE SPECIES**

Name of the Supervisor : **Dr. A. Mohamed Ismail**

B. Shubha
19/4/2023
DIRECTOR (RESEARCH)



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Date: 19th April, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Geetha.G**, bearing **Register No. 2018791104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ENHANCED APPROACH OF MACHINE LEARNING MODELS TO DETECT HYPO/HYPERGLYCEMIA USING A CLOSED LOOP CONTROL SYSTEM BASED ON TIME SERIES DATA**

Name of the Supervisor : **Dr. K. Mohana Prasad**

B. Shukla
19/4/2023

DIRECTOR (RESEARCH)



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Date: 19th April, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SHINDE BHAUSAHEB EKNATH**, bearing **Register No. 2015792401**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ANALYSIS OF COEXISTENCE OF LTE-TDD, LTE-FDD AND WI-FI**

Name of the Supervisor : **Dr.V.Vijaya Baskar**

B. Shela R.
19/4/23
DIRECTOR (RESEARCH)



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Date: 19th April, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Babymol Kurian**, bearing **Register No. 2013191120**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **COMPUTATIONAL ANALYSIS OF NEXT GENERATION SEQUENCES FOR BREAST CANCER PROGNOSIS USING MACHINE LEARNING TECHNIQUES**

Name of the Supervisor : **Dr. V.L Jyothi**

B. Shula Devi
19/4/2023
DIRECTOR (RESEARCH)



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Date: 19th April, 2023

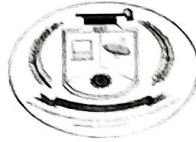
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Jaya Mabel Rani .A**, bearing **Register No. 2018191118**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **NATURE INSPIRED OPTIMIZATION ALGORITHMS BASED HYBRID CLUSTERING MECHANISMS FOR MEDICAL DATA**

Name of the Supervisor : **Dr. A. Pravin** .


19/4/2023
DIRECTOR (RESEARCH)



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Ref. No. Sathyabama/ Ph.D/AR/2023

Date: 4th May, 2023

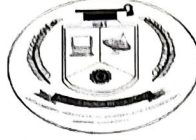
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.ANBARASI.A**, bearing **Register No. 2016792118**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **COMPUTER AIDED DIAGNOSIS OF HEART DISEASE THROUGH CLASSIFICATION OF ECG SIGNALS USING COMPUTATIONAL INTELLIGENCE**

Name of the Supervisor : **Dr. T.Ravi**


4/5/2023
DIRECTOR (RESEARCH)



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Date: 4th May, 2023

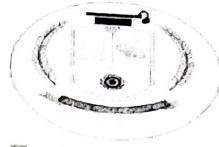
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAMANATHAN V**, bearing **Register No. 2013194103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DESIGN AND DEVELOPMENT OF PORTABLE HIGH YIELD REGENERATIVE SOLAR STILL WITH PCM**

Name of the Supervisor : **Dr. B.KANIMOZHI**

B. Shukla Reddy
4/5/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 27th July, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.T.E.ARAVINDAN** bearing **Register.No.2012792106**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21April,2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **STUDY AND DEVELOPMENT OF OPTIMISED DENOISING TECHNIQUE FOR MEDICAL IMAGES**

Name of the Supervisor: **Dr. R. SESHASAYANAN**

B. Shree Rai
31/7/23
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 4th May, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.ARUL JAYAN. M** bearing **Register No. 2014197101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Chemical Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A STUDY ON CONVERSION OF SYNTHESIS GAS TO HYDROCARBON FUEL BY MODIFIED FISCHER-TROPSCH CATALYSTS**

Name of the Supervisor : **Dr. S.S. DAWN**


4/5/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 4th May, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JAYA SUDHA. J.C** bearing **Register No. 2015792121**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **CHARACTERIZATION OF WELD DEFECT USING PHASED ARRAY ULTRASONIC METHOD**

Name of the Supervisor : **Dr. LALITHAKUMARI. S**


4/5/2023
DIRECTOR (RESEARCH)



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Date: 4th May, 2023

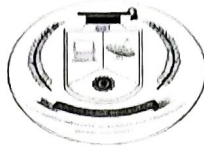
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. POYYAMOZHI N** bearing **Register No. 2016194101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ENHANCEMENT OF SOLAR STILL ENERGY STORAGE CAPACITY USING PHASE CHANGE MATERIAL AND NANOPARTICLES**

Name of the Supervisor : **Dr.A. KARTHIKEYAN**

4/5/2023
DIRECTOR (RESEARCH)



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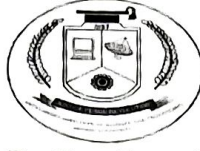
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VINODKUMAR V** bearing **Register No. 2018794104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **STUDIES ON THE EFFECT OF HIGHER ALCOHOLS ON CONVENTIONAL AND PREMIXED COMBUSTION MODES IN A CI ENGINE FUELLED WITH BIODIESEL BLEND**

Name of the Supervisor : **Dr.A. KARTHIKEYAN**


4/5/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 4th May, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DIVYA. V** bearing **Register No. 2018793109**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th April 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DESIGN AND DEVELOPMENT OF SIGNAL CONDITIONING SYSTEM FOR NANO
SENSOR BASED HEALTH APPLICATIONS**

Name of the Supervisor : **Dr. S. SENDIL KUMAR**


4/5/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 18th May, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.ARANGANATHAN L** bearing **Register No. 2013799602**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th May 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DEVELOPMENT AND CHARACTERIZATION OF FERTILIZER THROUGH BIOMATURATION OF FISH WASTES FOR NUTRITIONAL AUGMENTATION IN AGRICULTURAL CROPS**

Name of the Supervisor : **Dr. RADHIKA RAJASREE.S.R.**

B. Shree Raj
18/5/2023
DIRECTOR (RESEARCH)



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Date: 18th May, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.C.SIVATHANU PILLAI** bearing **Register No. 2011796101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th May 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Civil Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **BEHAVIOUR OF HIGH DENSITY CONCRETE FOR NEUTRON AND GAMMA
ATTENUATION CHARACTERISTICS AT HIGH TEMPERATURE REGIMES**

Name of the Supervisor : **Dr.A. R. SANTHA KUMAR**

B. Shanthi Devi
18/5/2023
DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 22nd May, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VIJAYA RAMAN P** bearing **Register No. 2013191214**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th May 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DYNAMIC ROAD TRAFFIC PREDICTION AND AUTOMATION MODEL FOR TRAFFIC MANAGEMENT SYSTEM**

Name of the Supervisor : **Dr. P. JESU JAYARIN**

B. Shree Rai
24/5/2023

DIRECTOR (RESEARCH)



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Date: 18th May, 2023

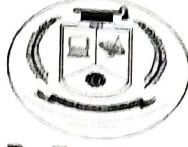
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.JANET SABINA X** bearing **Register No. 2014799406**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th May 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Chemistry)** Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **COMPUTATIONAL DESIGN, SYNTHESSES AND BIOLOGICAL EVALUATION OF CHALCONES, HYDRAZONES AND THIOSEMICARBAZONES AS ANTICANCER AGENTS**

Name of the Supervisor : **Dr. J. KARTHIKEYAN**

B. Shukla Devi
18/5/2023
DIRECTOR (RESEARCH)



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Date: 22nd May, 2023

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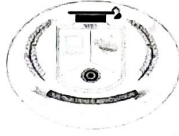
This is to certify that **Mr. MIDHUN KUMAR A** bearing **Register No. 2015191202**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th May 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **PREDICTIVE ANALYTICS MODEL FOR SMART HEALTHCARE SYSTEMS**

Name of the Supervisor : **Dr. S. Appavu alias Balamurugan**

B. Shubha R.
24/5/2023

DIRECTOR (RESEARCH)



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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 22 June, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. JUSTINDHAS.Y** bearing **Register No. 2017191201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23 May, 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

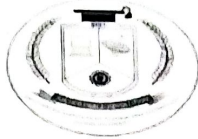
Title: **LIGHTWEIGHT CRYPTOGRAPHY APPROACHES FOR ENHANCED DATA SECURITY IN IOT CLOUD COMPUTING ENVIRONMENT**

Name of the Supervisor: **Dr. P. JEYANTHI**


DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)

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Date: 22 June, 2023

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This is to certify that **Ms. T. MANJULA** bearing **Register No. 2015199201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25 May, 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **A STUDY ON DOMINATOR COLORING OF VARIOUS FAMILIES OF GRAPHS**

Name of the Supervisor: **Dr. R. RAJESWARI**

B. Sheela Rani
4/7/23
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)

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Date: 22 June, 2023

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This is to certify that **Ms. WARADE NILIMA SATISH** bearing **Register No. 2013792121**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26 May, 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **POWER REDUCTION METHODOLOGIES FOR TESTING LOW POWER VLSI CIRCUITS**

Name of the Supervisor: **Dr. T.RAVI**

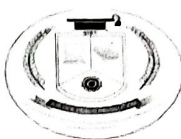
B. Sheela Rani
4/7/2023
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)

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Date: 22 June, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.DUDHANE TANAJI MARUTI** bearing **Register No. 2013192401**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30 May, 2023**.

The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DESIGN OF HIGH PERFORMANCE CONTROLLER WITH FPGA AS AN IP CORE**

Name of the Supervisor: **Dr. T.RAVI**

B. Shulake
4/7/2023
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023

Date: 22 June, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.PANDIAN V** bearing **Register No. 2014196104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **31 May, 2023**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Civil Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **STRUCTURAL BEHAVIOUR OF FIBRE REINFORCED BAGASSE ASH CONCRETE BEAM UNDER STATIC AND CYCLIC LOAD**

Name of the Supervisor: **Dr. V.RAMASAMY**

B. Sheela Rani
4/7/2023
DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
DIRECTOR (RESEARCH)

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