SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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CENTRE FOR RESEARCH

Ref:Sathyabama/Ph.D/Research/Public On-line Viva-Voce/75/2023 Date : 27/06/2023

NOTIFICATION

Ph.D Public On-line Viva-Voce Examination

Name of the Candidate	:	**Ms. D.Viji**
Registration Number	:	2018791123
Category of Registration	:	Part Time (External)
Faculty	:	Computer Science and Engineering
Title of the Thesis	:	A HYBRID APPROACH FOR TEXTUAL SEMANTIC SIMILARITY PREDICTION USING DEEP SIAMESE BI-LSTM AND GRU MODEL
Date and Time	:	05/07/2023 & 10.00 am
Venue	:	As per UGC Guidelines on Examination, (D.O.No.F.1-1/2020(Secy), Dt.29th April, 2020) Through Official On-line Channel of Sathyabama University –Zoom Platform, **Meeting ID: 955 3298 8093** Passcode: **123456**

Meeting Link: https://zoom.us/j/95532988093?pwd=UFl0TDRSSUdIMUtzbFVMa05hd2lGQT09

Name of the Supervisor	:	**Dr. S. Revathy,** Associate Professor, Dept. of IT, Sathyabama Institute of Science and Technology, Chennai.

B. Sheela Rani 27/6/2023

Dr.B.Sheela Rani
Director (Research)

CC:

1. Chancellor, Sathyabama Institute of Science and Technology.
2. President, Sathyabama Institute of Science and Technology.
3. Vice Presidents, Sathyabama Institute of Science and Technology
4. Vice Chancellor, Sathyabama Institute of Science and Technology.
5. Pro Vice Chancellor, Sathyabama Institute of Science and Technology.
6. Registrar, Sathyabama Institute of Science and Technology.
7. Director (Administration), Sathyabama Institute of Science and Technology.
8. Controller of Examinations, Sathyabama Institute of Science and Technology.
9. All Deans/Heads of All Schools, Research Centres, Sathyabama Institute of Science and Technology.
10. All Staff Members of Sathyabama Institute of Science and Technology.
11. All Universities in Tamilnadu.
12. Dr. S. Revathy, (Supervisor).
13. Dr.B.Surendiran, Associate Professor, Dept of CSE, National Institute of Technology Puducherry, Karaikal. (Indian Examiner).
14. Dr.K.Vivekanandan, Professor, Dept of CSE, Puducherry Technological University, Puducherry. (Foreign Examiner Nominee).
15. Ms. D.Viji, Research Scholar.
16. Candidate file.

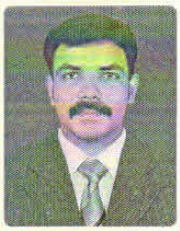
SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

Sl. No.: T 22002278

Register No. : 2017191201 Date : 15-06-2023

PROVISIONAL CERTIFICATE - Ph.D.



This is to certify that JUSTINDHAS Y has qualified himself for the award of the Degree of Doctor of Philosophy in Faculty of COMPUTER SCIENCE AND ENGINEERING on 23rd May 2023 and he having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

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

Chennai - 600 119.

Date: Thursday, June 15, 2023

Registrar

Dr.S.S.RAO, M.B.A.,Ph.D.,
REGISTRAR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

Controller of Examinations

Dr. S. Igni Sabasti Prabu,
Controller of Examinations,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

COPY COPY COPY

Sl. No.: D18 034783

Register No. : 2019191207

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

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The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **VENKATESWARA RAO K** *has been conferred the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, *having been certified by duly appointed examiners to be qualified to receive the same on* **JULY 2023** *for the thesis entitled* **MULTI-DISEASE PREDICTION USING INTELLIGENT FEATURE SELECTION AND OPTIMIZATION** *given under the seal of the institution, at Chennai this* **FOURTEENTH** *day of* **AUGUST 2023**

Given under the seal of the Institution

Vice Chancellor

Chancellor

Dated August 14, 2023

Jeppiaar Nagar, Chennai-600119
Tamil Nadu, INDIA

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 27th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JYOTHI MASURAM** bearing **Register No. 2018199101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th May, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Arts (English),** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN EXPERIMENTAL STUDY ON ENHANCING THE VOCABULARY OF TERTIARY LEVEL STUDENTS IN TELANGANA WITH LIMITED PROFICIENCY IN ENGLISH**

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

B. Shula Rani
27/5/2024.

Sl. No.: D18 014863

Register No. : 2018199101

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University Under Section 3 of UGC Act, 1956)



The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **JYOTHI MASURAM** *has been conferred the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **FACULTY OF ARTS (ENGLISH)**, *having been certified by duly appointed examiners to be qualified to receive the same on* **MAY 2024** *for the thesis entitled* **AN EXPERIMENTAL STUDY ON ENHANCING THE VOCABULARY OF TERTIARY LEVEL STUDENTS IN TELANGANA WITH LIMITED PROFICIENCY IN ENGLISH** *given under the seal of the institution, at Chennai this* **EIGHTEENTH** *day of* **AUGUST 2024**.

Given under the seal of the Institution

Vice Chancellor

Chancellor

Dated : August 18, 2024

Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.

Phone : (O) 0091 - 4542 - 241122 (P)
(G) 0091 - 4542 - 241685

MOTHER TERESA WOMEN'S UNIVERSITY

Kodaikanal - 624 102



Date :

11.01.2024

Dr.D.Ramani
Dean Research
E-mail: deanresearchmtwu@gmail.com

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.K.Shiva Shankari** Ph.D. (Part-Time) Scholar in **Management Studies (Reg.No. PHDMS15P396)** has completed her Ph.D. Viva-Voce Examination on **11.01.2024** under the Guidance of **Dr.N.Kannan, Professor and Legal Officer, School of Management Studies, Sathyabama Institute of Science and Technology, Chennai.**

The title of the thesis is **"Influence of Soft Skill Training in Higher Education Institutions with Perspective to Student's Career Opportunities"**

11.01.2024

DEAN RESEARCH

DEAN - RESEARCH
Mother Terasa Women's University
Kodaikanal-624 101.

To

1. Ms.K.Shiva Shankari,
   No: 75/32, Perumal Koil Street,
   West Saidapet,
   Chennai- 15

2. Dr.N.Kannan,
   Professor and Legal Officer,
   School of Management Studies,
   Sathyabama Institute of Science and Technology,
   Chennai.

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 5th Aug, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VIJAYADEEPIKA DE** bearing **Register No. 2019198102,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th July, 2024.** 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: **SERVICE QUALITY OF ORGANIZED RETAIL SECTOR – A STUDY WITH SPECIAL REFERENCE TO CHENNAI CITY**

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

B. Shula Rani
5/8/24

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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CENTRE FOR RESEARCH

Proceedings of the Ph.D On-line Viva Voce Examination of **Mr.VARADALA SRIDHAR** (Reg. No.2019792104) held at 9:30 am on (date) 11-7-2023 in Sathyabama Institute of Science & Technology , through Video Conferencing Mode (As per UGC Guidelines on Examination, D.O.No.F.1-1/2020 (Secy), Dated 29th April, 2020).

The Ph.D On-line Viva Voce Examination of **Mr.VARADALA SRIDHAR**

on his/her Ph.D Thesis entitled " **EMPIRICAL ANALYSIS OF HYBRID ARTIFICIAL INTELLIGENT TECHNIQUES FOR RESOURCE AWARE D2D COMMUNICATION IN 5G/6G NETWORKS"**

was conducted in Sathyabama Institute of Science & Technology, Chennai – 119 through Video Conferencing Mode at 9:30 am on(date) 11-7-2023

The Following members of the Oral Examination Board were present:

1.**Dr. Suhas Patil,Professor,CSE Department, Bharathi Vidyapeeth College of Engineering , National Examiner**

2.**Dr.K.Baskaran,Professor, CSE Department, Anna University, Nominee of International Examiner**

3.**Dr.S.Emalda Roslin, Professor, Satyabhama institute of science and technology, Supervisor & Convener**

The Research Scholar **Mr.VARADALA SRIDHAR** presented the salient features of his/~~her~~ Ph.D work. This was followed by questions from the audience including Research Scholars. The questions raised by the National Examiner and nominee of the International Examiner were also put to the research scholar. The research scholar answered / ~~did not answer~~ the questions to the full satisfaction of the board members and audience.

Based on the research scholar's work, his/~~her~~ presentation and also the clarification and answers by the research scholar to the questions, the board recommend that Mr. VARADALA SRIDHAR be awarded the Ph.D degree in the faculty of Electronics.

Name & signature of the National Examiner	11.07.2023 Name & signature of the Nominee of International Examiner	Name & signature of the Supervisor

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

Sl. No.: T 22011447

Register No. : 2017792105 Date : 09-11-2023

PROVISIONAL CERTIFICATE - Ph.D.



This is to certify that **SHANTHI KUMARAGURU** has qualified herself for the award of the Degree of Doctor of Philosophy in Faculty of **ELECTRONICS ENGINEERING** on **29th September 2023** and she having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

Title : AN APPROACH FOR SECURED TRANSMISSION OF EEG SIGNALS AND HYBRID OPTIMIZATION TECHNIQUE FOR EEG SIGNAL CLASSIFICATION IN WSN

Chennai - 600 119.

Date: Thursday, November 9, 2023

Registrar

Dr.S.S.RAO, M.B.A.,Ph.D.,
REGISTRAR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai
Chennai – 600 119

Controller of Examinations

Dr. S. Igni Sabasti Prabu,
Controller of Examinations,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE UNIVERSITY)

Sl. No.: D18 014794

Register No. : 2017792110

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University Under Section 3 of UGC Act, 1956)



The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **PASULURI BINDU SWETHA** *has been conferred the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **FACULTY OF ELECTRONICS ENGINEERING**, *having been certified by duly appointed examiners to be qualified to receive the same on* **AUGUST 2023** *for the thesis entitled* **PERFORMANCE EVALUATION OF MODIFIED NIKHILAM AND URDHVA TIRYAKBHYAM MULTIPLIERS IN DIGITAL AND ANALOG APPLICATIONS** *given under the seal of the institution, at Chennai this* **FOURTEENTH** *day of* **AUGUST 2023**

Given under the seal of the Institution

Vice Chancellor

Chancellor

Dated : August 14, 2023

Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.

Sl. No.: D18 014776

Register No. : 2015792129

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University Under Section 3 of UGC Act, 1956)



The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **L JEGAN ANTONY MARCILIN** *has been conferred the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **FACULTY OF ELECTRONICS ENGINEERING**, *having been certified by duly appointed examiners to be qualified to receive the same on* **JUNE 2023** *for the thesis entitled* **DESIGN OF OPTICAL BANDPASS FILTER BASED ON INTERFERENCE ON THIN FILMS** *given under the seal of the institution, at Chennai this* **FOURTEENTH** *day of* **AUGUST 2023**

Given under the seal of the Institution

Vice Chancellor

Chancellor



Dated : August 14, 2023

Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.

Sl. No.: D18 014759

Register No. : 2016792108

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University Under Section 3 of UGC Act, 1956)



The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **JACINTHA VIJAYAKUMAR** *has been conferred the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **FACULTY OF ELECTRONICS ENGINEERING**, *having been certified by duly appointed examiners to be qualified to receive the same on* **JUNE 2023** *for the thesis entitled* **SURFACE FLAW DETECTION IN PLUG VALVES THROUGH INFRARED THERMOGRAPHY AND FUZZY-DEEP LEARNING ALGORITHM** *given under the seal of the institution, at Chennai this* **FOURTEENTH** *day of* **AUGUST 2023**

Given under the seal of the Institution

Vice Chancellor

Chancellor

Dated : August 14, 2023

Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.

Sl. No.: D18 014798

Register No. : 2012799605

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University Under Section 3 of UGC Act, 1956)



The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **K. VISWANATHAN** *has been conferred the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **FACULTY OF SCIENCE (ELECTRONIC SCIENCES)**, *having been certified by duly appointed examiners to be qualified to receive the same on* **AUGUST 2023** *for the thesis entitled* **SMART EMBEDDED SUBSYSTEM DEVELOPMENT FOR CRITICAL TASK MANAGEMENT FUNCTIONS** *given under the seal of the institution, at Chennai this* **FOURTEENTH** *day of* **AUGUST 2023**

Given under the seal of the Institution

Vice Chancellor

Chancellor

Dated : August 14, 2023

Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.

Sl. No.: D18 014755

Register No. : 2013192401

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University Under Section 3 of UGC Act, 1956)



The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **DUDHANE TANAJI MARUTI** *has been conferred the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **FACULTY OF ELECTRONICS ENGINEERING**, *having been certified by duly appointed examiners to be qualified to receive the same on* **MAY 2023** *for the thesis entitled* **DESIGN OF HIGH PERFORMANCE CONTROLLER WITH FPGA AS AN IP CORE** *given under the seal of the institution, at Chennai this* **FOURTEENTH** *day of* **AUGUST 2023**

Given under the seal of the Institution

Vice Chancellor

Chancellor

Dated : August 14, 2023



Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.

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School of Building and Environment
Department of Civil Engineering

3.1.2 List of Seed Money Sanctioned – 2023-2024

S.No.	Name of the Teacher	Name of the Innovation	Amount of seed money
1.	Dr.S.Packialakshmi Dr.V.Sampathkumar Mr.J.Vanjinathan	60	Rs. 3,72,000
2.	Dr.R.Padmapriya	30	Rs. 94,000

(S. PACKIALAKSHMI)

HOD/CIVIL

HEAD OF THE DEPARTMENT
DEPARTMENT OF CIVIL ENGINEERING
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

Sl. No.: T 22011621

Register No. : 2016796101 Date : 13-01-2024

PROVISIONAL CERTIFICATE - Ph.D.



This is to certify that ROHINI. I has qualified herself for the award of the Degree of Doctor of Philosophy in Faculty of CIVIL ENGINEERING on 8th November 2023 and she having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

Title : INFLUENCE OF BACTERIA SUBTILIS ON CONCRETE WITH VARIOUS WASTE MATERIALS

Chennai - 600 119.

Date: Saturday, January 13, 2024

Registrar

Dr.S.S.RAO, M.B.A., Ph.D.,
REGISTRAR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai – 600 119.

Controller of Examinations

Dr. S. Igni Sabasti Prabu,
Controller of Examinations,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

Sl. No.: T 2201146 3

Register No. : 2017196101

Date : 25-11-2023

PROVISIONAL CERTIFICATE - Ph.D.



This is to certify that **PRIYADHARSHINI B** has qualified herself for the award of the Degree of Doctor of Philosophy in Faculty of **CIVIL ENGINEERING** on **16th October 2023** and she having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

Title : ASSESSMENT OF GROUNDWATER QUALITY AND REMOVAL OF HEAVY METAL CONTAMINATION BY ECO-FRIENDLY APPROACH

Registrar

Dr.S.S.RAO, M.B.A.,Ph.D.,
REGISTRAR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai – 600 119.

Controller of Examinations

Dr. S. Igni Sabasti Prabu,
Controller of Examinations,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

Chennai - 600 119.

Date: Saturday, November 25, 2023

SATHYABAMA
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www.sathyabama.ac.in

CENTRE FOR RESEARCH

Proceedings of the Ph.D On-line Viva Voce Examination of **Mr. PRUDHVI KRISHNA AMBURI (**Reg. No**.2019194108**) held at **10:00 am** on **02/05/2024** in Sathyabama Institute of Science & Technology, through Video Conferencing Mode (As per UGC Guidelines on Examination, D.O.No.F.1-1/2020 (Secy), Dated 29th April, 2020).

The Ph.D On-line Viva Voce Examination of Mr. PRUDHVI KRISHNA AMBURI on his Ph.D Thesis entitled "Experimental study on influence of nanoparticles and nanobubbles in heat transfer applications" was conducted in Sathyabama Institute of Science & Technology, Chennai – 119 through Video Conferencing Mode at 10:00 am on 02/05/2024.

The Following members of the Oral Examination Board were present:

1. Dr. S. Suresh	Professor, NIT Tiruchirappalli	- National Examiner
2. Dr. N. M. Sivaram	Assistant Professor, NIT Puducherry	- Nominee of International Examiner.
3. Dr. G. Senthilkumar	Associate Professor, SIST	- Supervisor & Convener

The Research Scholar **Mr. PRUDHVI KRISHNA AMBURI** presented the salient features of his Ph.D work. This was followed by questions from the audience including Research Scholars. The questions raised by the National Examiner and nominee of the International Examiner were also put to the research scholar. The research scholar answered the questions to the full satisfaction of the board members and audience.

Based on the research scholar's work, his presentation and also the clarification and answers by the research scholar to the questions, the board recommends that Mr. PRUDHVI KRISHNA AMBURI be awarded the Ph.D degree in the faculty of MECHANICAL ENGINEERING.

(Dr.S.Suresh) Name & signature of the National Examiner	**(Dr. N. M. Sivaram)** Name & signature of the Nominee of International Examiner	**(Dr.G.Senthilkumar)** Name & signature of the Supervisor

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 6th Nov, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAVI KIRAN DASARI** bearing **Register No. 2016793105,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th Oct, 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 ANALYSIS OF PHOTOVOLTAIC FED SWITCHED RELUCTANCE HUB MOTOR FOR ELECTRIC VEHICLE APPLICATION**

Name of the Supervisor: **Dr. D. GODWIN IMMANUEL**

B. Sheela Rani
4/11/23.

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.

Sl.No. 04242



VELS

INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)

(Deemed to be University Estd. u/s 3 of the UGC Act 1956)

PALLAVARAM, CHENNAI

ACCREDITED BY NAAC WITH 'A' GRADE

Marching Beyond 30 Years Successfully

INSTITUTION WITH UGC 12B STATUS

Reg. No.: UT18P9702002

FACULTY OF PHYSIOTHERAPY

The Board of Management of the

VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)

hereby makes known that

PRIYA KUMARI

has been admitted to the degree of

Doctor of Philosophy he/she having been certified by duly appointed examiners to be qualified to receive the same in the year **JULY 2023**

for the thesis entitled

"TO EVALUATE THE EFFECTIVENESS OF THERAPEUTIC EXERCISES ON COGNITION IN OBESE WOMEN WITH POLYCYSTIC OVARY SYNDROME - A COMPARATIVE STUDY".

(PHYSIOTHERAPY)

Given under the seal of the **VISTAS**

Dated : 13 APR 2024

Pallavaram,
Chennai - 117.
INDIA

Controller of Examinations

Registrar

Vice-Chancellor

SAVEETHA

INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES
(Declared as Deemed to be University under Section 3 of UGC Act 1956)

Faculty of Physiotherapy

The Executive Council hereby makes known that

Deepa S Ranganathan



Reg. No. 162003049

has been conferred the Degree of

Doctor of Philosophy (Ph.D.) in Physiotherapy

he/she having been certified by duly appointed examiners to be qualified to receive the same in July 2023. The degree has been awarded in compliance with the "University Grants Commission, Regulation 2016".

Title of the Thesis

Effectiveness of Three Modal - Exercise Protocol on Fatigue Levels in Idiopathic Parkinson's Disease.

Given under the Seal of this University

Dr. Sheeja S Varghese
Registrar

Prof. Dr. S. Suresh Kumar
Vice - Chancellor

Chennai, India
Dated : 18-11-2023

SRI BALAJI VIDYAPEETH

ACCREDITED BY NAAC WITH A++ GRADE

DEEMED TO BE UNIVERSITY
Declared u/s 3 of the UGC Act, 1956.

PONDICHERRY

SBV/Ph.D Admission - Guide Allotment/2023-24/2023/35 07.02.2024

ADMISSION LETTER

To

Trupti Rekha Pradhan [2405002022]
Part- Time : External
SBV.

Dear Candidate,

We wish to bring to your notice that you have been admitted to the Ph.D. Programme of SBV as**Part- Time : External**candidate of our Deemed University for the academic year **2023-24**. You have been assigned **Dr. Golda Sahaya Rani R,** Professor of Nursing, Shri Sathya Sai College Of Nursing,Sri BalajiVidyapeeth (SBV) as the **Research Guide / Supervisor** based on the recommendations of the duly constituted PhD admission committee.

In this connection, you are directed to take note of the following points:

1. Your Guide will constitute a Research Advisory Committee (RAC). It comprises of your Guide (Convener), 1 external expert, 1 Internal Expert and co-guide(s) (maximum 5 members). The composition of the (RAC) should be communicated to the Office of the Dean Research on or before **15th March 2024**. The composition of the RAC will remain the same until the submission of the thesis, and any change in the composition needs the prior approval of Dean Research, SBV.
2. The Research Advisory Committee (RAC) shall be conducted through Hybrid Mode. The two subject experts and co-guide(s) from the PhD scholar's department or outside shall appear online. **The PhD Scholar from India and Overseas must be physically present along with his / her guide at SBV campus or SBV Chennai campus, as per the case**. The First Research Advisory committee is to meet on or before **1st May 2024** to finalize the topic and recommend the topic to the Institutional Ethics Committee for clearance / Waiver, in the respective institute where the candidate will be carrying out his/her research work. This Clearance/ Waiver have to be essentially obtained within **Six to Eight months** from the date of provisional registration of the

WPS Office

Serial No.51467

THE GANDHIGRAM RURAL INSTITUTE

(Deemed to be University)

Estd. u/s 3 of the UGC Act, 1956 and Administered by Ministry of Education, Govt. of India.
Accredited by NAAC with 'A' Grade (3rd Cycle)

On the recommendation of the Board of Management hereby confers on

REEGAN JEBADASS.J

[Son of JOHNSON JEBADOSS.R and SUSEELA.G]



the degree of

DOCTOR OF PHILOSOPHY

for having completed the prescribed programme of study in the

DEPARTMENT OF MATHEMATICS

and

Presented the thesis titled

APPLICATIONS OF INTUITIONISTIC FUZZY SETS IN IMAGE ENHANCEMENT PROCESSES

Given this day the Nineth of March 2024.

Given under the Seal of the Institute

THE GANDHIGRAM RURAL INSTITUTE (DEEMED TO BE UNIVERSITY) SEAL

Gandhigram - 624 302
Tamil Nadu

Date: 09.03.2024

V. Kamakoti

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

Sl. No.: T 22011856

Register No. : 2016199205

Date : 24-06-2024

PROVISIONAL CERTIFICATE - Ph.D.



This is to certify that **MARY METILDA M I** has qualified herself for the award of the Degree of Doctor of Philosophy in Faculty of **SCIENCE(MATHEMATICS)** on **10th May 2024** and she having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

Title : A STUDY ON APPLICATIONS OF HIGH LEVEL PETRI NETS

Chennai - 600 119.

Date: Monday, June 24, 2024

Registrar

Dr.S.S.RAO, M.B.A.,Ph.D.,
REGISTRAR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai – 600 119.

Controller of Examinations

Dr. S. Igni Sabasti Prabu,
Controller of Examinations,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

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CENTRE FOR RESEARCH

Proceedings of the Ph.D On-line Viva Voce Examination of **Mr.S.RAJAN** (Reg. No.**2015197101**) held at 10:00 AM on **10.11.2023** in Sathyabama Institute of Science & Technology , through Video Conferencing Mode (As per UGC Guidelines on Examination, D.O.No.F.1-1/2020 (Secy), Dated 29th April, 2020).

The Ph.D On-line Viva Voce Examination of **Mr.S.RAJAN** (Reg. No.**2015197101**) on his Ph.D Thesis entitled "**VIABLE EXPULSION OF CONTAMINANTS FROM DAIRY WASTEWATER USING SEQUENTIAL BATCH REACTOR**" was conducted in Sathyabama Institute of Science & Technology, Chennai – 119 through Video Conferencing Mode at 10:00 AM on **10.11.2023.**

The Following members of the Oral Examination Board were present:

1. **Dr. Selvaraju Narayanasamy,** Associate Professor, IIT – Guwahati - National Examiner

2. **Dr. R. Saravanathamizhan,** Associate Professor, Anna University - Nominee of International Examiner

3. **Dr. S. Sathish,** Associate Professor, Sathyabama Institute of Science & Technology - Supervisor & Convener

The Research Scholar **Mr.S.RAJAN** (Reg. No.**2015197101**) presented the salient features of his Ph.D work. This was followed by questions from the audience including Research Scholars. The questions raised by the National Examiner and nominee of the International Examiner were also put to the research scholar. The research scholar answered the questions to the full satisfaction of the board members and audience.

Based on the research scholar's work, his presentation and also the clarification and answers by the research scholar to the questions, the board recommends that Mr. S.RAJAN be awarded the Ph.D degree in the Faculty of Civil Engineering.

Dr. Selvaraju Narayanasamy , Associate Professor, IIT – Guwahati, National Examiner	**Dr. R. Saravanathamizhan** Associate Professor, Anna University, Nominee of International Examiner	**Dr.Sathish,** Associate Professor, SIST, Supervisor

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CENTRE FOR RESEARCH

Proceedings of the Ph.D On-line Viva Voce Examination of **Mr.HARENDRA KUMAR** **(Reg. No. 2016197101)** held at 10.0 am on 23.05.2024 in Sathyabama Institute of Science & Technology , through Video Conferencing Mode (As per UGC Guidelines on Examination, D.O.No.F.1-1/2020 (Secy), Dated 29th April, 2020).

The Ph.D On-line Viva Voce Examination of Mr. HARENDRA KUMAR on his Ph.D Thesis entitled "**STUDIES ON BIODIESEL PRODUCTION USING EGGSHELL BASED CATALYSTS**_"was conducted in Sathyabama Institute of Science & Technology, Chennai – 119 through Video Conferencing Mode at 10.0 am on 23.05.2024

The Following members of the Oral Examination Board were present:

1. Dr. Perarasu VT ,Professor,Department of Chemical Engineering,A.C.Tech,Anna University - National Examiner
2. Dr. S.Renganathan, Professor,Department of Biotechnology,A.C.Tech,Anna University - Nominee of International Examiner
3. Dr. A. Annam Renita, Professor,Department of Chemical Engineering,SIST - Supervisor & Convener

The Research Scholar **Mr. Harendra Kumar** presented the salient features of his Ph.D work. This was followed by questions from the audience including Research Scholars. The questions raised by the National Examiner and nominee of the International Examiner were also put to the research scholar. The research scholar answered the questions to the full satisfaction of the board members and audience.

Based on the research scholar's work, his presentation and also the clarification and answers by the research scholar to the questions, the board recommends that Mr. HARENDRA KUMAR be awarded the Ph.D degree in the faculty of Chemical Engineering .

(Dr. Perarasu VT)
Name & signature of the National Examiner

(Dr. S.Renganathan)
Name & signature of the Nominee of International Examiner

(Annam Renita.A)
Name & signature of the Supervisor

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CENTRE FOR RESEARCH

Proceedings of the Ph.D On-line Viva Voce Examination of **Mr. Magesh.N**
(Reg. No.2018797102) held at 10 am on 19.12.2023 in Sathyabama Institute of Science & Technology , through Video Conferencing Mode (As per UGC Guidelines on Examination, D.O.No.F.1-1/2020 (Secy), Dated 29th April, 2020).

The Ph.D On-line Viva Voce Examination of **Mr. Magesh.N**

on his/her Ph.D Thesis entitled **" ADSORPTION OF PHARMACEUTICAL WASTE FROM AQUEOUS SOLUTIONS USING BIOSORBENTS "** was conducted in Sathyabama Institute of Science & Technology, Chennai – 119 through Video Conferencing Mode at 10 am on 19.12.23

The Following members of the Oral Examination Board were present:

1.Dr. A. Seenivasan Ayothiraman, Assistant Professor, Department of Biotechnology, NIT-AP-National Examiner

2.Prof.Dr. M. Rajasimman, Professor, Department of Chemical Engg. Annamalai University-Nominee of International Examiner

3.Dr. A. Annam Renita, Professor,Department of Chemical Engg.Sathyabama Institute of Science and Technology -Supervisor & Convener

The Research Scholar **Mr. Magesh.N** presented the salient features of his Ph.D work. This was followed by questions from the audience including Research Scholars. The questions raised by the National Examiner and nominee of the International Examiner were also put to the research scholar. The research scholar answered the questions to the full satisfaction of the board members and audience.

Based on the research scholar's work, his presentation and also the clarification and answers by the research scholar to the questions, the board recommends that Mr. Magesh.N be awarded the Ph.D degree in the faculty of Chemical Engineering .

(Seenivasan Ayothiraman) Name & signature of the National Examiner	(M. Rajasimman) Name & signature of the Nominee of International Examiner	(Annam Renita.A) Name & signature of the Supervisor

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CENTRE FOR RESEARCH

Proceedings of the Ph.D On-line Viva Voce Examination of Mr./~~Mr~~.**A.Senthilkumar (Reg. No.2017194101)** held at **10** am/~~pm~~ on **02/04/24** in Sathyabama Institute of Science & Technology , through Video Conferencing Mode (As per UGC Guidelines on Examination, D.O.No.F.1-1/2020 (Secy), Dated 29th April, 2020).

The Ph.D On-line Viva Voce Examination of Mr./~~Ms~~. **A.Senthilkumar (Reg.No 2017194101)** on his/~~her~~ Ph.D. thesis entitled "**PERFORMANCE STUDIES ON VAPOUR COMPRESSION REFRIGERATION SYSTEM USING HYBRID NANOLUBRICANTS**" was conducted in Sathyabama Institute of Science & Technology, Chennai – 119 through Video Conferencing Mode at 10 am/~~pm~~ on **02.04.24.**

The Following members of the Oral Examination Board were present:

1. **Dr. SUJITH KUMAR C S**, Assistant Professor, Department of Mechanical Engg, NIT Calicut. National Examiner.
2. **Dr K. SHANMUGAM**, Professor, Dept. of Manufacturing Engg, Annamalai University, Chidambaram, Nominee of International Examiner.
3. **Dr. A. ANDERSON**, Professor, School of Mechanical Engg, SIST, Chennai. Supervisor & Convener.

The Research Scholar Mr./~~Ms~~. **A. Senthilkumar** presented the salient features of his/~~her~~ Ph.D work. This was followed by questions from the audience including Research Scholars. The questions raised by the National Examiner and nominee of the International Examiner were also put to the research scholar. The research scholar answered / ~~did not answer~~ the questions to the full satisfaction of the board members and audience.

Based on the research scholar's work, his/her presentation and also the clarification and answers by the research scholar to the questions, the board recommends / ~~does not recommend~~ that Mr./~~Ms~~.A. Senthilkumar be awarded the Ph.D degree in the faculty of Mechanical Engineering.

 Dr. Sujith Kumar C S	 Dr.K.Shanmugam	 Dr.A.Anderson

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CENTRE FOR RESEARCH

Proceedings of the Ph.D On-line Viva Voce Examination of **Mr./~~Ms~~. G. Antony Casmir Jayaseelan (Reg. No.2017194102)** held at **10.30 am**/~~pm~~ on (date) **01/03/2024** in Sathyabama Institute of Science & Technology , through Video Conferencing Mode (As per UGC Guidelines on Examination, D.O.No.F.1-1/2020 (Secy), Dated 29th April, 2020).

The Ph.D On-line Viva Voce Examination of **Mr./~~Ms~~. G Antony Casmir Jayaseelan (Reg. No.2017194102)** on his/~~her~~ Ph.D Thesis entitled "**EXPERIMENTAL INVESTIGATION ON DIESEL ENGINE USING DUAL BIODIESEL BLENDS**" Was conducted in Sathyabama Institute of Science & Technology, Chennai – 119 through Video Conferencing Mode at Online **10.30 am** / ~~pm~~ on **01/03/2024**

The Following members of the Oral Examination Board were present:

1. **Dr.S. Suresh,** Professor, Department of Mechanical Engg, NIT, Trichy, National Examiner
2. **Dr. P.Sathiya**, Professor, Department of Production Engg, NIT, Trichy, Nominee of International Examiner
3. **Dr. A.Anderson**, Professor, School of Mechanical Engg, SIST, Chennai. Supervisor & Convener

The Research Scholar **Mr./~~Ms~~. G Antony Casmir Jayaseelan** Presented the salient features of his/her Ph.D work. This was followed by questions from the audience including Research Scholars. The questions raised by the National Examiner and nominee of the International Examiner were also put to the research scholar. The research scholar answered / ~~did not answer~~ the questions to the full satisfaction of the board members and audience.

Based on the research scholar's work, his/her presentation and also the clarification and answers by the research scholar to the questions, the board recommends / ~~does not recommend~~ that Mr./~~Ms~~. G Antony Casmir Jayaseelan be awarded the Ph.D degree in the faculty of Mechanical Engineering**.**

Name & signature of the National Examiner	Name & signature of the Nominee of International Examiner	Dr.A.Anderson Name & signature of the Supervisor

CENTRE FOR RESEARCH

Proceedings of the Ph.D On-line Viva Voce Examination of Mr./~~Ms~~. **KAMATCHI HARIHARAN M** (Reg. No.**2018194106**) held at **10:00** am/~~pm~~ on (date) **22.06.2023** in Sathyabama Institute of Science & Technology, through Video Conferencing Mode (As per UGC Guidelines on Examination, D.O.No.F.1-1/2020 (Secy), Dated 29th April, 2020).

The Ph.D On-line Viva Voce Examination of Mr./Ms **KAMATCHI HARIHARAN M** on his/her Ph.D Thesis entitled " **CORROSION STUDIES ON NICKEL BASED SUPERALLOYS** " was conducted in Sathyabama Institute of Science & Technology, Chennai – 119 through Video Conferencing Mode at **10:00** am/pm on(date) **22.06.2023**

The Following members of the Oral Examination Board were present:

1.**Dr.K. Arun Babu (Assistant Professor, Department of Mechanical Engineering, NIT Calicut)** - National Examiner

2.**Dr.K. Shanmugam (Professor, Department of Manufacturing Engineering, Annamalai University, Chidambaram)** - Nominee of International Examiner

3.**Dr.A.Anderson (Professor / School of Mechanical Engineering, Sathyabama IST)** - Supervisor & Convener

The Research Scholar Mr./~~Ms~~. **KAMATCHI HARIHARAN M** presented the salient features of his/~~her~~ Ph.D work. This was followed by questions from the audience including Research Scholars. The questions raised by the National Examiner and nominee of the International Examiner were also put to the research scholar. The research scholar answered / ~~did not answer~~ the questions to the full satisfaction of the board members and audience.

Based on the research scholar's work, his/~~her~~ presentation and also the clarification and answers by the research scholar to the questions, the board recommends/~~does not recommend~~ that Mr./~~Ms~~. KAMATCHI HARIHARAN M be awarded the Ph.D degree in the Faculty of Mechanical Engineering.

(Dr.K.Arun Babu) Name & signature of the National Examiner	**(Dr.K.Shanmugam)** Name & signature of the Nominee of International Examiner	**(Dr.A.Anderson)** Name & signature of the Supervisor

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 22 June, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.SERIN V SIMPSON** bearing **Register No. 2017191102,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1 June, 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: **BLOCKCHAIN ENABLED TRUST MANAGEMENT SYSTEM FOR IoT-EDGE NETWORKS**

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

B. Sheela Rani
26/6/2023

DIRECTOR (RESEARCH)

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

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 22 June, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ESAKKIMUTHU.T** bearing **Register No. 2013796101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5 June, 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: **PROBING WATER QUALITY IN THAMIRABARANI RIVER STRETCH, TAMILNADU AND PREDICTIVE MODELLING BY APPLYING ARTIFICIAL INTELLIGENCE TECHNIQUES**

Name of the Supervisor: **Dr. MARYKUTTY ABRAHAM**

B. Sheela Rani 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 **Ms. PATTATHU RANI L** bearing **Register No. 2015793108,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6 June, 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 IMPLEMENTATION OF DC-DC CONVERTERS AND CONTROLLERS FOR RENEWABLE ĖNERGY APPLICATIONS**

Name of the Supervisor: **Dr. SHUBHRANSU SEKHAR DASH**

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

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

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 22 June, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JACINTHA VIJAYAKUMAR** bearing **Register No. 2016792108,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10 June, 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: **SURFACE FLAW DETECTION IN PLUG VALVES THROUGH INFRARED THERMOGRAPHY AND FUZZY-DEEP LEARNING ALGORITHM**

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

DIRECTOR (RESEARCH)

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

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 22 June, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. NANAMMAL.V** bearing **Register No. 2015792107,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13 June 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: **AUTHENTICATING BIOMEDICAL IMAGES USING WATER MARKING TECHNIQUE IN MACHINE LEARNING**

Name of the Supervisor: **Dr. J.VENU GOPALA KRISHNAN**

B. Sheela 14/6/2023

DIRECTOR (RESEARCH)

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

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 26th June, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MUTHIAH M A** bearing **Register No. 2015792109,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **14th June, 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**: DEVELOPMENT OF MODIFIED DEEP LEARNING TECHNIQUES FOR EFFECTIVE RETRIEVAL OF IMAGES**

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

B. Sheela Rani 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.BALACHANDRAN.G** bearing **Register No. 2015792108,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20 June 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: **MOVING SCENE BASED VIDEO SEGMENTATION USING CLASSIFICATION BY AUGMENTED DEEP LEARNING TECHNIQUE**

Name of the Supervisor: **Dr. J.VENU GOPALA KRISHNAN**

B. Sheela 9/7/2023

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 **Ms.BHINGARE NIRMALA HARISHCHANDRA** bearing **Register No. 2018794106,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21 June 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: **DEVELOPMENT, OPTIMIZATION AND VALIDATION OF NATURAL FIBER BASED ACOUSTIC MATERIAL**

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

B. Sheela Rani
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: 26th June, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KAMATCHI HARIHARAN M** bearing **Register No. 2018194106,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd June, 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: **CORROSION STUDIES ON NICKEL BASED SUPERALLOYS**

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

B. Sheela 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: 26 June, 2023**

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This is to certify that **Ms. SUJATHA G** bearing **Register No. 2018791207,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23 June, 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 DEDUPLICATION METHODS FOR IMAGE AND VIDEO CONTENT STORAGE IN CLOUD**

Name of the Supervisor: **Dr. R. JEBERSON RETNA RAJ**

B. Sheela Rani 4/7/2023

DIRECTOR (RESEARCH)

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

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 30th June, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. R.ELAVARASAN** bearing **Register No. 2012192201,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th June, 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**: OPTIMIZED CROSSLAYER LINK APPROACH FOR WSN IN TIME CRITICAL APPLICATION**

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

B. Shl. L 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: 3rd July, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. DILEEP NAIGAPULA** bearing **Register No. 2016798103,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th June, 2023.** 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: **CHALLENGES AND ISSUES FACED BY RICE MILL ENTREPRENEURS AT SRIKAKULAM AND VIJAYANAGARAM DISTRICTS IN ANDHRAPRADESH**

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

B. Sheela Rani 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: 30th June, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. C.RAMESH KUMAR** bearing **Register No. 2015192103,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th June, 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 MODIFIED RADIX-2^2 SRFFT ARCHITECTURE WITH DIGITAL FILTERS FOR NOISE SUPPRESSION IN DIGITAL HEARING AIDS**

Name of the Supervisor: **Dr. M.P.CHITRA**

B. Sheela Rani 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: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. DASARI RAMANNA** bearing **Register No. 2016192109,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th June, 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 AND ANALYSIS OF HIGH THROUGHPUT AND LOW POWER HYBRID RECURSIVE SYSTEMATIC CONVOLUTIONAL ENCODER AND DECODER TECHNIQUE**

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

B. Shula Rai
5/8/2023

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 22nd July, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.L.JEGAN ANTONY MARCILIN** bearing **Register No. 2015792129,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th June, 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 OPTICAL BANDPASS FILTER BASED ON INTERFERENCE ON THIN FILMS**

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

B. Shule lei
22/7/2023.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 18th July, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VIJI D** bearing **Register No. 2018791123,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th July, 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 HYBRID APPROACH FOR TEXTUAL SEMANTIC SIMILARITY PREDICTION USING DEEP SIAMESE BI-LSTM AND GRU MODEL**

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

B. Shanthi
18/7/2023

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 22nd July, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VARADALA SRIDHAR** bearing **Register No. 2019792104,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th July, 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: **EMPIRICAL ANALYSIS OF HYBRID ARTIFICIAL INTELLIGENT TECHNIQUES FOR RESOURCE AWARE D2D COMMUNICATION IN 5G/6G NETWORKS**

Name of the Supervisor: **Dr. S. EMALDA ROSLIN**

B. Sheela Rai
24/7/23.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 18th July, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. LAKSHMI SANKAR S** bearing **Register No. 2014794119,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th July, 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: **SURFACE MODIFICATION OF AISI310, 15Cr3 AND EN353 STEELS BY PLASMA NITRIDING**

Name of the Supervisor: **Dr.G.ARUN KUMAR**

B. Sheela Rani
18/7/2023

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. JOESPH RAYMOND V** bearing **Register No. 2018191123,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th July, 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: **CLASSIFICATION OF MALWARE REPORTED IN OPEN SOURCE MOBILE APPLICATIONS**

Name of the Supervisor: **Dr. R. JEBERSON RETNA RAJ**

B. Shulata 31/7/2023

DIRECTOR (RESEARCH)

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 2nd Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. AMUTHINI SAMBHAVI A** bearing **Register No. 2013799302,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th July, 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: **AQUIFER MAPPING THROUGH INTEGRATED APPROACH AND NUMERICAL MODELING FOR EFFECTIVE MANAGEMENT IN THIRUKKAZHUKUNDRAM BLOCK, TAMIL NADU, INDIA**

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

B. Shule Rao
7/8/23

DIRECTOR (RESEARCH)

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 28th July, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SABARIVANI A** bearing **Register No. 2016192201,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th July, 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: **CLASSIFICATION OF EEG SIGNALS USING COMPUTATIONAL INTELLIGENCE TECHNIQUES TO DIAGNOSE THE EPILEPTIC CONDITIONS**

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

B. Sheela Rani
31/7/23.

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.DHANASAKKARAVARTHI.B** bearing **Register.No. 2017194107,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd July, 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: **OPTIMIZATION OF MAKESPAN IN PERMUTATION FLOWSHOP SCHEDULING PROBLEMS USING HEURISTIC TECHNIQUE**

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

B. Sheela Rai
31/7/23.

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 **Ms. ARUNA V** bearing **Register No. 2018794107,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd July, 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: **COMPREHENSIVE ANALYSIS OF PULSATING HEAT PIPE WITH NANOREFRIGERANTS**

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

B. Shanka Rao
31/7/23.

DIRECTOR (RESEARCH)

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 31st July, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VENKATESWARA RAO K** bearing **Register No. 2019191207,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th July, 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: **MULTI-DISEASE PREDICTION USING INTELLIGENT FEATURE SELECTION AND OPTIMIZATION**

Name of the Supervisor: **Dr. L. MARY GLADENCE**

B. Shula Rao
7/8/23.

DIRECTOR (RESEARCH)

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 5th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Mathi Murugan T** bearing **Register No. 2014191205,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th July, 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 META-HEURISTIC CLASSIFICATION ALGORITHM WITH MULTI OBJECTIVE BASED SWARM INTELLIGENCE TECHNIQUES FOR LARGE STRUCTURED INFORMATION**

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

B. Sheela Rai
7/8/2023

DIRECTOR (RESEARCH)

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 5th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. BALAPRIYA S** bearing **Register No. 2016199603**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st Aug, 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: **NAVIGATION OF MODULAR ENTITIES IN GAME ENVIRONMENTS USING PARALLEL COMPUTING ARCHITECTURE**

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

B. Sheela Rai
7/8/23

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 5th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. V. ELANANGAI** bearing **Register No. 2016792121**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **3rd Aug, 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: **METHODS FOR DETECTION OF SS PLATE SURFACE FLAWS AND CHARACTER RECOGNITION USING THERMAL IMAGES**

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

B. Shula Rai
7/8/23.

DIRECTOR (RESEARCH)

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 8th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VARUN P** bearing **Register No. 2018191120**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th Aug, 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: **INTELLIGENT INTRUSION DETECTION SYSTEM AND OPTIMAL ENCRYPTION SCHEME WITH ENHANCED SECURITY FOR DATA ON CLOUD**

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

B. Shula Rani
12/8/2023
DIRECTOR (RESEARCH)

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 8th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. WAGH KALYANI PRAVIN** bearing **Register No. 2016792102,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th Aug, 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 EFFECT OF EEG CHANNELS FOR EMOTION RECOGNITION**

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

B. Shanker Rao
12/8/2023.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.THIRUPPATHI. A** bearing **Register No. 2018799203,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th August, 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 NOVEL STUDY ON DEFUZZIFICATION USING CENTROIDS OF CENTROID IN RANKING FUZZY NUMBERS WITH FUZZY OPERATIONS**

Name of the Supervisor: **Dr. Kirubhashankar.C.K**

B. Shanthi
12/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SANDHYA A** bearing **Register No. 2015791206,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th August, 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: **SEMANTIC BASED TEXT CLASSIFICATION USING DEEP LEARNING**

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

B. Sheela Rai
12/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KAVITHA.K.R** bearing **Register No. 2014194206,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th August, 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: **EXPERIMENTAL INVESTIGATION OF FRICTION-WEAR PROPERTIES ON A BRAKE LINING MATERIAL**

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

B. Sheela Rani
12/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.PASULURI BINDU SWETHA** bearing **Register No. 2017792110,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th August, 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: **PERFORMANCE EVALUATION OF MODIFIED NIKHILAM AND URDHVA TIRYAKBHYAM MULTIPLIERS IN DIGITAL AND ANALOG APPLICATIONS**

Name of the Supervisor: **Dr. V.J.K. KISHOR SONTI**

B. Shaila Rani
12/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VANITHA S** bearing **Register No. 2015796103,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th August, 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: **STUDY ON IRON REMOVAL FROM GROUND WATER AND EFFECTS OF DIFFERENT TYPES OF WATER IN CONCRETE**

Name of the Supervisor: **Dr. N.K. RAJAN**

B. Shukla Rao
12/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KUMAR C** bearing **Register No. 2014199607,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th August, 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: **COMPLETE MITOCHONDRIAL GENOME CHARACTERIZATION OF MOBULA TARAPACANA (PHILIPPI, 1892) & GALEOCERDO CUVIER (PERON & LESUEUR, 1822) AND ITS PHYLOGENETIC IMPLICATIONS**

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

B. Sheela Rani
12/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

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This is to certify that **Mr. MOHANA PRAKASH T A** bearing **Register No. 2017191203,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th August, 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 SECURE CLOUD DATA DEDUPLICATION USING DOMAIN USER INTERGRA TAG AND GRADE BYTE CHECK WITH FUZZY SEARCH TECHNIQUE**

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

B. Shanthi
12/8/2023

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ILAYARAJAA K T** bearing **Register No. 2015792110,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th August, 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: **AN INVESTIGATION MODEL DESIGN FOR DIABETIC RETINOPATHY CLASSIFICATION BASED ON MACHINE LEARNING**

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

B. Shula Rai
12/8/2023

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VISWANATHAN K** bearing **Register No. 2012799605,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th August, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Electronic Sciences),** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **SMART EMBEDDED SUBSYSTEM DEVELOPMENT FOR CRITICAL TASK MANAGEMENT FUNCTIONS**

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

B. Shula Ri
12/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PRADIP KUMAR DAS** bearing **Register No. 2018199608,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th August, 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: **ANTICANCER ACTIVITIES OF BIOSYNTHESIZED GOLD NANOPARTICLES AGAINST COLON AND BREAST CANCER CELL LINES**

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

B. Shanker
12/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. AMALA RANI V** bearing **Register No. 2015792301,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th August, 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**: DEVELOPMENT OF ALGORITHM FOR PATTERN RECOGNITION OF MEDICAL IMAGES BASED ON IMAGE FUSION**

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

B. Shanthi
12/8/2023

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PRERANA DILIP ITROUTWAR** bearing **Register No. 2015199603,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th August, 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: **STUDIES ON THE EFFECT OF NANOSCALE MICRONUTRIENTS (IRON AND ZINC OXIDE) USING SEAWEED TURBINARIA ORNATA FOR ENHANCING SEED QUALITY AND CROP PRODUCTIVITY OF RICE (ORYZA SATIVA) AND MAIZE (ZEA MAYS).**

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

B. Sheela Rani
18/8/2023
DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 12th Aug, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. ESHANTHINI P** bearing **Register No. 2016796107,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th August, 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: **DEVELOPMENT OF WEB BASED GIS APPLICATION FOR WATER RESOURCES MANAGEMENT AT POONDI MICRO WATER SHED**

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

B. Shanthi Rai
12/8/23

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 23rd Sep, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. NIRANJANA N** bearing **Register No.2015799205,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th Sep, 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: **ANALYSIS OF FLUID FLOW PROBLEMS THROUGH POROUS MEDIUM WITH HEAT AND MASS TRANSFER EFFECTS**

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

B. Sheela Rani 23/9/2023

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: 23rd Sep, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. AMIT PURUSHOTTAM PIMPALKAR** bearing **Register No. 2019191111,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd Sep, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **SENTIMENT ANALYSIS USING MULTI BI-DIRECTIONAL LSTM AND TRANSFORMER MODELS**

Name of the Supervisor: **Dr. R. JEBERSON RETNA RAJ**

B. Sheela Rani
25/9/2023

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 30th Sep, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SHANTHI KUMARAGURU** bearing **Register No.2017792105,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th Sep, 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: **AN APPROACH FOR SECURED TRANSMISSION OF EEG SIGNALS AND HYBRID OPTIMIZATION TECHNIQUE FOR EEG SIGNAL CLASSIFICATION IN WSN**

Name of the Supervisor: **Dr. M.R.EBENEZAR JEBARANI**

B. Sheela Rani
3/10/23.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 25th Oct, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MAGESH KUMAR N** bearing **Register No.2017191107,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th Oct, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DESIGN OF EFFICIENT DEDUPLICATION SCHEME TO SECURE DATA IN CLOUD STORAGE**

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

B. Sheela Rani
25/10/2023

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 30th Oct, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PRIYADHARSHINI B** bearing **Register No.2017196101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th Oct, 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: **ASSESSMENT OF GROUNDWATER QUALITY AND REMOVAL OF HEAVY METAL CONTAMINATION BY ECO-FRIENDLY APPROACH**

Name of the Supervisor: **Dr. MARYKUTTY ABRAHAM**

B. Sheela Rani
30/10/2023

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 30th Oct, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. GOPINATH N** bearing **Register No. 2018191104,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th Oct, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **SECURED QUANTUM KEY DISTRIBUTION AGAINST SIDE CHANNEL ATTACKS USING ENTANGLED FUZZY LOGICS**

Name of the Supervisor: **Dr. S. PRAYLA SHYRY**

B. Sheela Rani
30/10/23

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 30th Oct, 2023**

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This is to certify that **Ms. JALA SRI M** bearing **Register No. 2018191202,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th Oct, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **SECURE AND FAULT TOLERANT DISTRIBUTED DATA MANAGEMENT IN FOG BASED IoT**

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

B. Sheela Rani 30/10/23

DIRECTOR (RESEARCH)

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This is to certify that **Ms. SHALINI NAIR** bearing **Register No. 2011799607,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th Oct, 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: **BIO ACTIVE POTENCY OF CYANOBACTERIA OSCILLATORIA spp. METABOLITES FROM ALGAL SAMPLES FOUND IN CHENNAI COAST**

Name of the Supervisor: **Dr. S. USHA NANDHINI**

B. Sheela Rani
4/11/23

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 14th Nov, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PATIL ALAKNANDA SOMNATH** bearing **Register No. 2014192104,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th Oct, 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: **TRANSMISSION OF HIGH QUALITY AUDIO DATA USING VIDEO STEGANOGRAPHY**

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

B. Shula Rai
16/11/2023

DIRECTOR (RESEARCH)

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAVI KIRAN DASARI** bearing **Register No. 2016793105,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th Oct, 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 ANALYSIS OF PHOTOVOLTAIC FED SWITCHED RELUCTANCE HUB MOTOR FOR ELECTRIC VEHICLE APPLICATION**

Name of the Supervisor: **Dr. D. GODWIN IMMANUEL**

B. Sheela Rani
4/11/23.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 6th Nov, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. JAGAN G C** bearing **Register No. 2015792402,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2th Nov, 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: **EFFICIENT RESOURCE OPTIMIZATION TECHNIQUES TO ENHANCE ROUTING AND DATA DELIVERY IN WIRELESS SENSOR NETWORKS**

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

B. Shanla Rani
6/11/2023.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 6th Nov, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. CHENTHIL T R** bearing **Register No. 2015792403,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **3rd Nov, 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: **RELIABLE AND ENERGY-EFFICIENT MULTIPATH COMMUNICATIONS IN MOBILITY BASED UNDERWATER WIRELESS SENSOR NETWORKS**

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

B. Sheela Rani
6/11/23.

DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 14th Nov, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JITHINA JOSE** bearing **Register No. 2018791134,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th Nov, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **OPTIMIZATION OF WASTE-TO-ENERGY CONVERSION USING AI BASED WASTE CLASSIFICATION AND HHV PREDICTION**

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

B. Sheela Rani
16/11/23

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 20th Nov, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. ROHINI I** bearing **Register No. 2016796101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th Nov, 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: **INFLUENCE OF BACTERIA SUBTILIS ON CONCRETE WITH VARIOUS WASTE MATERIALS**

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

B. Sheela Rani 22/11/23

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2023 Date: 20th Nov, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAJAN S** bearing **Register No. 2015197101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th Nov, 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: **VIABLE EXPULSION OF CONTAMINANTS FROM DAIRY WASTEWATER USING SEQUENTIAL BATCH REACTOR**

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

B. Sheela Rani
22/11/23

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 20th Nov, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. UMA SHANKAR G** bearing **Register No.2015192112,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th Nov, 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: **BIOSIGNAL PROCESSING AND ANALYSIS FOR LIMB PROSTHESIS RELATED DIAGNOSIS AND APPLICATION**

Name of the Supervisor: **Dr. A. VIMALA JULIET**

B. Sheela Rani
22/11/2023

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 20th Nov, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. LAWANYA T** bearing **Register No.2017199201,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th Nov, 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: **ANALYTICAL INVESTIGATION OF MHD OSCILLATORY FLOW WITH HEAT AND MASS TRANSFER USING PERTURBATION TECHNIQUE FOR VARIOUS MODELS**

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

B. Sheela Rani
22 | 11 | 2023

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Ref: No. Sathyabama/ Ph.D/AR/2023 Date: 18th Dec, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VINSTON RAJA R** bearing **Register No.2018791202,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd Nov, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **PREDICTING INTEGRATED POTENTIAL FISHING ZONE FUTURE FORECASTING IN TAMILNADU COASTAL REGION**

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

B. Sheela Rani 18/12/23

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 18th Dec, 2023**

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This is to certify that **Ms. JERRIN SIMLA A** bearing **Register No.2018791117,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd Nov, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **APPLICATION LAYER PROTOCOL FOR IOT ENABLED AGRICULTURAL INTRUSION DETECTION SYSTEM WITH SENSOR NODES**

Name of the Supervisor: **Dr. REKHA CHAKRAVARTHI**

B. Sheela Rani 18/12/2023.

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 18th Dec, 2023**

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This is to certify that **Mr. VIGNESHWARAN B** bearing **Register No.2016199301,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th Nov, 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: **DIELECTRIC CHARACTERISTICS OF Sr, Sm AND Zr DOPED BULK BaTiO3 AND OPTICAL PROPERTIES OF Sr DOPED BaTiO3 THIN FILMS PREPARED BY PULSED LASER DEPOSITION**

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

B. Sheela Rani
08/12/23

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 18th Dec, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VENKATESH T** bearing **Register No.2016792117,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th Dec, 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: **A NOVEL ROUTING PROTOCOL FOR EFFECTIVE INTEROPERABILITY OF THE HETEROGENEOUS SENSORS IN WIRELESS SENSOR NETWORK**

Name of the Supervisor: **Dr. REKHA CHAKRAVARTHI**

B. Sheela Rani 18/12/23

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 26th Dec, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MAGESH N** bearing **Register No.2018797102,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th Dec, 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: **ADSORPTION OF PHARMACEUTICAL WASTE FROM AQUEOUS SOLUTIONS USING BIOSORBENTS**

Name of the Supervisor: **Dr. A. ANNAM RENITA**

B. Sheela Rani
2/1/24

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 26th Dec, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. JAGADESH T** bearing **Register No.2015792111,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th Dec, 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 TARGET DETECTION AND TIME DELAY ESTIMATION TECHNIQUES IN PHASED ARRAY RADAR**

Name of the Supervisor: **Dr. B. SHEELA RANI**

B. Sheela Rani
2/1/24

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 30th Dec, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. G. MANOHARAN** bearing **Register No.2018199206,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st Dec, 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: **EFFICIENT OUTLIER DETECTION IN MULTIVARIATE DATASET BASED ON OPTIMIZED MACHINE LEARNING MODELS**

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

B. Sheela Rani 2/1/24.

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 28th Dec, 2023**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SHANKER M C** bearing **Register No.2016192103,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd Dec, 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: **CONTEXTUAL CLUSTERING ANALYSIS OF BREAST CANCER IN DIGITAL MAMOGRAPHY BY DEEP LEARNING APPROACHES**

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

B. Sheela Rani 2/1/24.

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 08 Jan, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MOHMMAD ASHAQ SOFI** bearing **Register No.2018199611,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th Dec, 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**: PHYOCHEMICAL ANALYSIS FROM ROOT EXTRACT OF PODOPHYLLUM HEXANDRUM AND ITS BIOLOGICAL ACTIVITIES**

Name of the Supervisor: **Dr. ANIMA NANDA**

B. Sheela Rani 8/1/2024.

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 2nd Jan, 2024**

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This is to certify that **Ms. DANIYA T** bearing **Register No.2019791111,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th Dec, 2023.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DEEP NEURAL NETWORK BASED OPTIMIZATION ALGORITHM FOR RICE PLANT DISEASE DETECTION**

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

B. Sheela Rani
2/1/24.

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 8th Jan, 2024**

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This is to certify that **Ms. ANITHA. P** bearing **Register No.2019791117,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th Jan, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **ACCURACY IMPROVEMENT AND BREAST CANCER PREDICTION USING THE MODIFIED DEEP LEARNING TECHNIQUES**

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

B. Sheela Rani 8/1/24

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 29th Jan, 2024**

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This is to certify that **Mr. ESWARA NARAYANAN** bearing **Register No.2015791104,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th Jan, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **DATA SECURITY ON COLLABORATIVE EDITING SCHEME ON STATIC AND DYNAMIC DATA IN CLOUD COMPUTING**

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

B. Sheela Rani
31/1/24.

DIRECTOR (RESEARCH)

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This is to certify that **Mr. DEEPAK KUMAR A** bearing **Register No.2018791137,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th Jan, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN EFFICIENT SEGMENTATION MODEL FOR DETECTING DIABETIC RETINOPATHY USING CONVOLUTIONAL NEURAL NETWORK**

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

B. Sheela Rani
31/1/24.

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Ref: No. Sathyabama/ Ph.D/AR/2023 Date: 5th Feb, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SHYNI S M** bearing **Register No.2016792124,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th Jan, 2024.** 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: **SCENARIO BASED MULTI-RESOURCE UTILIZATION USING COMPUTATIONAL INTELLIGENCE**

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

B. Sheela Rani 5/2/24.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 5th Feb, 2024**

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This is to certify that **Ms. KANIMOZHI V** bearing **Register No.2018191117,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th Jan, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **ARTIFICIAL INTELLIGENCE-BASED TECHNIQUES FOR ZERO-DAY ATTACKS DETECTION OF LARGE SCALE NETWORK-BASED AND IOT SECURITY**

Name of the Supervisor: **Dr. T. PREM JACOB**

B. Sheela Rani
5/2/24.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DIVYA M** bearing **Register No.2017199301,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6th Feb, 2024.** 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 GROWTH AND CHARACTERISATION OF BORATE FAMILY HYBRID NLO SINGLE CRYSTALS**

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

B. Sheela Rani
13/2/2024.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SABITHA P** bearing **Register No.2018791108,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th Feb, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title**: DEVELOPING AN ACCURATE LIVER CANCER DIAGNOSTIC SYSTEM USING A DEEP ENSEMBLE CLASSIFIER**

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

B. Sheela Rani 12/2/2024.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2023 **Date: 19th Feb, 2024**

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This is to certify that **Ms. SARANYA P** bearing **Register No.2018791109,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th Feb, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **A HYBRID SYSTEM FOR DISEASE PREDICTION USING MODIFIED META-HEURISTICS AND WEIGHTED GRADIENT BOOSTING ALGORITHM**

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

B. Sheela Rani 20/2/24.

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 27th Feb, 2024**

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This is to certify that **Mr. ATHMAKURI SATISH KUMAR** bearing **Register No.2019191112,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st Feb, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science & Engineering,** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **EVALUATING OPTIMAL TRUST PATHS WITH ENHANCED PRIVACY PROTECTION IN ONLINE SOCIAL NETWORKS**

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

B. Sheela Rani 29/2/2024

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 11th Mar, 2024**

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This is to certify that **Ms. RANIMOL G** bearing **Register No.2017195101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th Feb, 2024.**

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: **IMMOBILIZATION STUDIES OF LACCASE ENZYME AND ITS INDUSTRIAL AND ENVIRONMENTAL APPLICATIONS**

Name of the Supervisor: **Dr. SWETHA SUNKAR**

B. Sheela Rani 11/3/24

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 11th Mar, 2024**

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This is to certify that **Mr. ANTONY CASMIR JAYASEELAN G** bearing **Register No.2017194102,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st Mar, 2024.** 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 ON DIESEL ENGINE USING DUAL BIODIESEL BLENDS**

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

B. Sheela Rani 11/3/24

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 20th Mar, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DIANA EARSHIA V** bearing **Register No.2015792119,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th Mar, 2024.** 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 IMPROVISATION AND OPTIMIZATION STRATEGIES FOR HIGH RESOLUTION IMAGE INTERPOLATION**

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

B. Sheela Rani 22/3/2024

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 21st Mar, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KRITHIKA S** bearing **Register No.2013199605,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th Mar, 2024.** 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 CHITINASE PRODUCING MARINE CULTURES FROM COASTAL REGION WITH SPECIAL REFERENCE TO THEIR ANTI-MICROBIAL AND ANTI-CANCER ACTIVITIES**

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

B. Sheela Rani 22/3/2024.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 1st Apr, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SATYANARAYANA PAMARTHI** bearing **Register No.2019792110,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st Mar, 2024.** 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: **ENHANCEMENT OF NETWORK SECURITY IN WIRELESS MOBILE ADHOC NETWORKS FOR IoT APPLICATIONS**

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

B. Sheela Rai
2/4/24

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 8th Apr, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SREEKRISHNA M** bearing **Register No. 2020191103,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st Apr, 2024.** 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: **RECOMMENDATION SYSTEM ATTAINED BY ANALYZING AND PREDICTING THE COLLABORATIVE DATA OF CANCER**

Name of the Supervisor: **Dr. T. PREM JACOB**

B. Sheela Rani 8/4/24

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 23rd Apr, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SENTHIL KUMAR A** bearing **Register No. 2017194101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd Apr, 2024.** 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 STUDIES ON VAPOUR COMPRESSION REFRIGERATION SYSTEM USING HYBRID NANOLUBRICANTS**

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

B. Sheela Rani
23/4/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 8th Apr, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SYED JAMALULLAH R** bearing **Register No. 2018799501,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **3rd Apr, 2024.** 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: **HARNESSING ELECTROENCEPHALOGRAPHIC APPROACH FOR DETECTING SEIZURES IN HUMAN BRAIN WITH DISTINCTIVE ALGORITHMS**

Name of the Supervisor: **Dr. L. MARY GLADENCE**

B. Sheela Rani 8/4/24

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 15th Apr, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. CARLTON RANJITH W A** bearing **Register No. 2015799602,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th Apr, 2024.** 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: **INSIGHTS ON THE MOLECULAR AND FUNCTIONAL INTERACTIONS OF PITRM1 FOR ALZHEIMER'S DISEASE IN ZEBRAFISH MODEL**

Name of the Supervisor: **Dr. R. RAJESH KANNAN**

B. Sheela Rani 15/4/24

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 11th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. AISWARYA RANI MAHANTA** bearing **Register No. 2018799602,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th Apr, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Geology),** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **INVESTIGATION OF TOTAL NITRATE BUDGET OVER A SUB-WATERSHED IN SOUTH INDIA USING MODEL, REMOTE SENSING AND OBSERVATIONAL DATA**

Name of the Supervisor: **Dr. KISHAN SINGH RAWAT**

B. Sheela Rani 11/05/24

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 11th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. NANDHAGOPAL S** bearing **Register No. 2014799604,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th Apr, 2024.** 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: **EMBRYONIC IMAGING, DEVELOPMENTAL BIOCHEMISTRY, AND GENOMIC ANNOTATION OF CARIDINA PSEUDOGRACILIROSTRIS**

Name of the Supervisor: **Dr. R. RAJESH KANNAN**

B. Sheela Rani 11/5/24.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JEYA RAMYA V** bearing **Register No. 2016192116,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd Apr, 2024.** 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: **METAHEURISTIC OPTIMIZATION BASED DEEP LEARNING MODELS FOR CLASSIFICATION OF LEUKEMIA FROM BLOOD MICROSCOPIC IMAGES**

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

B. Sheela Rani 11/5/24

DIRECTOR (RESEARCH)

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MANIKANDAN C T** bearing **Register No. 2015193103,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th Apr, 2024.** 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: **INVESTIGATIONS OF DC-DC CONVERTERS AND ITS CONTROL STRATEGIES FOR PV FED DC DRIVE**

Name of the Supervisor: **Dr. G.T. SUNDAR RAJAN**

B. Sheela Rani 11/5/24.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 20th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VIVEKANANDAN S J** bearing **Register No. 2014791121,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th Apr, 2024.** 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: **ENHANCING APRIORI ALGORITHM WITH UTILITY MINING**

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

B. Sheela Rani 20/5/2024

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 11th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VINUGANESH A** bearing **Register No. 2019199606,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th Apr, 2024.** 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: **ENVIRONMENTAL STRESS RESPONSE OF TROPICAL SEAWEEDS:**

PHYSIOLOGICAL AND METABOLIC PROCESSES

Name of the Supervisor: **Dr. AMIT KUMAR**

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 11th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PRUDHVI KRISHNA AMBURI** bearing **Register No. 2019194108,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd May, 2024.** 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 STUDY ON INFLUENCE OF NANOPARTICLES AND NANOBUBBLES IN HEAT TRANSFER APPLICATIONS**

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

B. Sheela Rani 11/5/24

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 20th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SUGANTHI VINODHINI J** bearing **Register No. 2014793110,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6th May, 2024.** 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: **ANALYSIS ON BIDIRECTIONAL MULTILEVEL CONVERTER FOR ELECTRIC LOCOMOTIVE**

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

B. Sheela Rani 20/5/24

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 11th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. GANESAN R** bearing **Register No. 2013794109,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th May, 2024.** 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: **VIBRATION MEASUREMENT BY MACHINE VISION USING UP-SAMPLED CROSS-CORRELATION AND FINITE-DIFFERENCE ALGORITHM**

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

B. Sheela Rani 11/5/24.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 Date: 11th May, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. CH SRI VARDHAN KUMAR** bearing **Register No. 2020193106,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th May, 2024.** 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: **COMPENSATION OF SERIES VOLTAGE ISSUES BASED ON ZDVR DIFFERENT OPTIMIZATION TECHNIQUES**

Name of the Supervisor: **Dr. Z. MARY LIVINSA**

B. Sheela Rani 11/5/24.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 12th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MANOJ T JOY** bearing **Register No. 2015191106,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th May, 2024.** 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: **COMPUTER AIDED ODONTOLOGY – ANALYSIS AND INVESTIGATIONS ON STRUCTURE AND DISEASES OF TEETH USING IMAGE PROCESSING TOOLS**

Name of the Supervisor: **Dr. B. PRIESTLY SHAN**

B. Sheela Rani 13/6/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 12th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MARY METILDA M** I bearing **Register No. 2016199205,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th May, 2024.** 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 APPLICATIONS OF HIGH LEVEL PETRI NETS**

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

B. Sheela Rani
13/6/24.

DIRECTOR (RESEARCH)

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This is to certify that **Mr. PUGALENDHI R** bearing **Register No. 2018199613,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th May, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Visual Communication),** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **ROLE OF YOUTUBE CONTENT CREATORS AND INFLUENTIAL FACTORS: A STUDY AMONG TAMIL WOMEN YOUTUBERS CUM DIGITAL ENTREPRENEURS**

Name of the Supervisor: **Dr. S. JANET MARY**

B. Sheela Rani 20/5/24.

DIRECTOR (RESEARCH)

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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

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This is to certify that **Mr. DILIP KUMAR JANGBAHADUR** bearing **Register No. 2016791106,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th May, 2024.** 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: **IMPROVE QUALITY OF SERVICE FOR IOT-BASED WIRELESS SENSOR NETWORK**

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

B. Sheela Rani. 13/6/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Jeppiaar Nagar, Rajiv Gandhi Salai,
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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. AROCKIA JAYADHAS S** bearing **Register No. 2017192110,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th May, 2024.** 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: **CLUSTER BASED MALICIOUS NODE DETECTION IN WIRELESS MULTIMEDIA SENSOR NETWORKS**

Name of the Supervisor: **Dr. S. EMALDA ROSELIN**

B. Sheela Rani 13/6/24.

DIRECTOR (RESEARCH)

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

Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 20th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KARTHIKEYAN S C** bearing **Register No. 2018199602,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th May, 2024.** 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: **EXPLORING THE EFFECT OF UV-C AND UNDERSTANDING THE EX-VIVO PROSTATE GLAND REGENERATION IN EARTHWORM MODEL**

Name of the Supervisor: **Dr. S. JACKSON DURAIRAJ**

B. Sheela Rani 20/5/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 20th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAJESH KANNA R** bearing **Register No. 2018791128,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th May, 2024.** 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 HYBRID DEEP LEARNING FRAMEWORK FOR EARLY PLANT DISEASE DETECTION AND PREVENTION**

Name of the Supervisor: **Mr. V. ULAGAMUTHALVI**

B. Sheela Rani 20/5/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 27th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JYOTHI MASURAM** bearing **Register No. 2018199101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th May, 2024.** The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Arts (English),** Sathyabama Institute of Science and Technology, Chennai – 119.

Title: **AN EXPERIMENTAL STUDY ON ENHANCING THE VOCABULARY OF TERTIARY LEVEL STUDENTS IN TELANGANA WITH LIMITED PROFICIENCY IN ENGLISH**

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

B. Sheela Rani
27/5/2024.

DIRECTOR (RESEARCH)

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

Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 24th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MARY VICTORIA FLORENCE M** bearing **Register No. 2018199204,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th May, 2024.** 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: **PREDICTIVE ANALYSIS OF AUTOREGRESSIVE INTEGRATED MOVING AVERAGE AND LSTM MODELS IN REAL TIME APPLICATIONS**

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

B. Sheela Rani
24/5/24.

DIRECTOR (RESEARCH)

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

Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SAJITH P J** bearing **Register No. 2016791108,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st May, 2024.** 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 HYBRID INTRUSION DETECTION SYSTEM WITH COMBINATIONS OF COMPUTATIONAL INTELLIGENCE MODELS**

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

B. Sheela Rani
13/6/24

DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KALAIVANI S** bearing **Register No. 2016199201,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd May, 2024.** 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: **STUDIES ON STATISTICAL MODELING USING DATA MINING TOOLS**

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

B. Sheela Rani
13/6/24.

DIRECTOR (RESEARCH)
Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. HARENDRA KUMAR** bearing **Register No. 2016197101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd May, 2024.** 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: **STUDIES ON BIODIESEL PRODUCTION USING EGGSHELL BASED CATALYSTS**

Name of the Supervisor: **Dr. A. ANNAM RENITA**

B. Sheela Rani 13/6/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. IRIN SHERLY S** bearing **Register No. 2018191124,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th May, 2024.** 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: **MULTIMODAL HEART DISEASE PREDICTION USING DEEP CONVOLUTIONAL NEURAL NETWORKS OPTIMIZED BY META HEURISTIC ALGORITHMS**

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

B. Sheela Rani. 13/6/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SAROO RAJ R B** bearing **Register No. 2018191105,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th May, 2024.** 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 EFFECTIVE UTILIZATION OF RESOURCES BY SEMANTIC SPATIO TEMPORAL TRAJECTORY PATTERN MINING IN ITS**

Name of the Supervisor: **Dr. S. PRAYLA SHYRY**

B. Sheela Rani 13/6/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 13th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JENILA L** bearing **Register No. 2016191101,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th May, 2024.**

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 ARTIFACT TO OVERCOME VIDEO TRAFFIC IN WIRELESS AD-HOC NETWORKS**

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

B. Sheela Rani. 13/6/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KHARADI FAYAZ HUSAIN** bearing **Register No. 2017194115,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th May, 2024.** 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, DEVELOPMENT & TESTING OF OPPOSED PISTON LINEAR COMPRESSOR DRIVEN STIRLING CYCLE CRYOCOOLER FOR SPACE APPLICATION**

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

B. Sheela Rani 13/6/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 10th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MURARI DEVA KANNAN KAMALESH** bearing **Register No. 2015191108,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th May, 2024.** 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: **ENHANCING THE EFFECTIVENESS OF SOCIAL NETWORKS ACTIVITIES USING DATA ANALYSIS**

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

B. Sheela Rani
13/6/24

DIRECTOR (RESEARCH)

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

Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 12th June, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. LEENA NANGAI V** bearing **Register No. 2015792112,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **31st May, 2024.** 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 AN EFFICIENT MANAGEMENT SYSTEM TO DETECT RED PALM WEEVIL OF PALMS**

Name of the Supervisor: **Dr. BETTY MARTIN**

B. Sheela Rani
13/6/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

Sl. No.: T 22011870

Register No. : 2019199606

Date : 24-06-2024

PROVISIONAL CERTIFICATE - Ph.D.



This is to certify that **VINUGANESH A** has qualified himself for the award of the Degree of Doctor of Philosophy in Faculty of **SCIENCE (LIFE SCIENCES)** on **29th April 2024** and he having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

Title : ENVIRONMENTAL STRESS RESPONSE OF TROPICAL SEAWEEDS: PHYSIOLOGICAL AND METABOLIC PROCESSES

Chennai - 600 119.

Date: Monday, June 24, 2024

Registrar

Dr.S.S.RAO, M.B.A., Ph.D.,
REGISTRAR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai – 600 119.

Controller of Examinations

Dr. S. Igni Sabasti Prabu,
Controller of Examinations,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

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CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2024 **Date: 20th May, 2024**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KARTHIKEYAN S C** bearing **Register No. 2018199602,** Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th May, 2024.** 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: **EXPLORING THE EFFECT OF UV-C AND UNDERSTANDING THE EX-VIVO PROSTATE GLAND REGENERATION IN EARTHWORM MODEL**

Name of the Supervisor: **Dr. S. JACKSON DURAIRAJ**

B. Sheela Rani 20/5/24.

DIRECTOR (RESEARCH)

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
DIRECTOR (RESEARCH)
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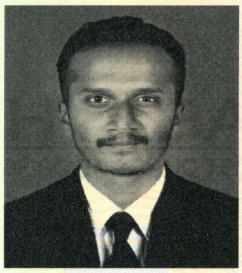
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Sl. No.: T 22011627

Register No. : **2016199301** Date : 13-01-2024

PROVISIONAL CERTIFICATE –Ph.D.



This is to certify that **VIGNESHWARAN B** has qualified himself for the award of the Degree of Doctor of Philosophy in Faculty of **SCIENCE (PHYSICS)** on **28th November 2023** and he having been certified by duly appointed Examiners and approved by the Board of Management of Sathyabama Institute of Science and Technology.

Title : **DIELECTRIC CHARACTERISTICS OF Sr, Sm AND Zr DOPED BULK $BaTiO_3$ AND OPTICAL PROPERTIES OF Sr DOPED $BaTiO_3$ THIN FILMS PREPARED BY PULSED LASER DEPOSITION**

Chennai - 600 119.

Registrar

Controller of Examinations

Date: Saturday, January 13, 2024

Dr.S.S.RAO, M.B.A.,Ph.D.,
REGISTRAR
SATHYABAMA
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Chennai – 600 119.

Dr. S. Igni Sabasti Prabu
Controller of Examinations
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119

Sl. No.: D18 014826

Register No. : 2018199611

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The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **MOHMMAD ASHAQ SOFI** *has been conferred the* **DEGREE OF DOCTOR OF PHILOSOPHY** *under the* **FACULTY OF SCIENCE (LIFE SCIENCES)**, *having been certified by duly appointed examiners to be qualified to receive the same on* **DECEMBER 2023** *for the thesis entitled* **PHYTOCHEMICAL ANALYSIS FROM ROOT EXTRACT OF PODOPHYLLUM HEXANDRUM AND ITS BIOLOGICAL ACTIVITIES** *given under the seal of the institution, at Chennai this* **EIGHTEENTH** *day of* **AUGUST 2024**.

Given under the seal of the Institution

Vice Chancellor

Chancellor

Dated : August 18, 2024

Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.