



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 15th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MARY JOSELIN.J**, bearing Register No. 2013195105, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th June 2021**. 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 : **BIOSYNTHESIS OF GOLD NANOCOMPOSITES AND THEIR STUDIES ON ANTICANCER APPLICATION**

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


DIRECTOR (RESEARCH)
15/6/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 15th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Raja Shree S**, bearing **Register No. 2014191105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th June 2021**. 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 : **IMPROVING THE DATA INTEGRITY IN CLOUD ENVIRONMENT BY USING THIRD**

PARTY AUDITOR

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


DIRECTOR (RESEARCH) 15/6/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 15th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Ben Rajesh P**, bearing **Register No. 2013794203**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th June 2021**. 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 : **ANALYSIS OF GREEN LOGISTICS ISSUES TO ENHANCE SUSTAINABILITY IN FOOD & CARGO SUPPLY CHAIN**

Name of the Supervisor : **Dr. John Rajan.A**


DIRECTOR (RESEARCH) 15/6/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 25th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Karthik Kumar C**, bearing **Register No. 2015799402**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th June 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science and Humanities (Chemistry)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DEVELOPMENT OF NITRIDE THIN FILMS BY RF MAGNETRON SPUTTERING FOR SOLAR CELL APPLICATION**

Name of the Supervisor : **Dr. Shyju.T.S**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref. No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 25th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Pradeep P S**, bearing Register No. 2013195106, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on 11th June 2021. 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 : **FORMULATION AND CHARACTERIZATION OF PYOCHELIN-CONJUGATED LIPOSOME OLEIC ACID CO-ENCAPSULATED WITH ANTIBIOTICS AGAINST MULTI DRUG RESISTANT PSEUDOMONAS AERUGINOSA**

Name of the Supervisor : **Dr. Jayshree Nellore**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 25th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. BAALAMURUGAN J**, bearing **Register No. 2014799403**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **14th June 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science and Humanities (Chemistry)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **MICRO/NANO STRUCTURED STEEL SLAG MATERIALS - A SUSTAINABLE APPROACH TOWARDS ENVIRONMENTAL APPLICATIONS**

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

B. Sheela Rani
DIRECTOR (RESEARCH) 25/6/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 25th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Saravanan M**, bearing **Register No. 2011191122**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th June 2021**. 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 CLASSIFICATION AND PREDICTION ALGORITHM IN DATA MINING TO PREDICT EARLY DROPOUT FACTORS BY USING APM**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 25th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Sonia Jenifer Rayen**, bearing **Register No. 2014791203**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th June 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **AN EFFICIENT MAMMOGRAM IMAGE RETRIEVALSYSTEM USING OPTIMIZED**

MANFIS CLASSIFIER WITH ABC ALGORITHM

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

B. Sheela Rani
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 25th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Anne Frank Joe.A**, bearing **Register No. 2014192304**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th June 2021**. 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 : **NON-DESTRUCTIVE ASSAY OF VITAL WHEAT QUALITY PARAMETERS USING SPECTROSCOPIC TECHNIQUES**

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

B. Sheela Rani
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 25th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MEENAKSHI V**, bearing **Register No. 2014793108**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th June 2021**. 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 : **MODELING, SIMULATION, ANALYSIS AND REAL TIME VERIFICATION OF CONTROL TECHNIQUES USED IN WIND ELECTRIC GENERATORS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 30th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Jany Shabu.S.L**, bearing **Register No. 2012191201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st June 2021**. 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 IMAGE FUSION USING INTELLIGENCE OPTIMIZATION TECHNIQUES WITH BRAIN TUMOR DETECTION**

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

B. Sheela Rani
30/6/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 30th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. UMA MAGESWARI.T**, bearing **Register No. 2015798105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st June 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Business Administration**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : IMPACT OF ENTREPRENEURIAL SKILLS IN PROCURING FUNDS – A STUDY WITH SPECIAL REFERENCE TO SMALL SCALE INDUSTRY IN TAMILNADU

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

B. Sheela Rani
30/6/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

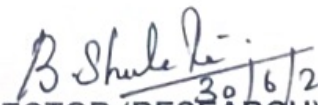
Date: 30th June 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SUBHASHREE.P**, bearing **Register No. 2013191116**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd June 2021**. 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 : **RETAINING PRIVACY AND DEFENDED SHARING OF PERSONAL HEALTH RECORDS IN CLOUD**

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


30/6/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 30th June 2021

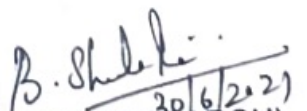
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PAUL T SHEEBA**, bearing **Register No. 2013791203**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd June 2021**. 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 : **IMPLEMENTATION OF HYBRID DEEP LEARNING MODEL FOR HUMAN ACTION**

RECOGNITION

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


30/6/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VENKATARAMAN PADMAJA**, bearing **Register No. 2014192101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th June 2021**. 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 : **OBJECT RECOGNITION IN UNDERWATER IMAGING USING MACHINE LEARNING TECHNIQUES**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. BHUVANESWARI.C**, bearing **Register No. 2015193101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th June 2021**. 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 : **ANALYSIS, DESIGN AND OPTIMIZATION OF LCC RESONANT CONVERTER FOR X-RAY GENERATOR**

Name of the Supervisor : **Dr. Samuel Rajesh Babu.R**


7/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. BALAMUGUNDAN.B**, bearing **Register No. 2011794104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th June 2021**. 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 : **CHARACTERIZATION OF SELECTED POLYMER NANOCOMPOSITES USING FRICTION STIR PROCESSING**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SUJESH G**, bearing **Register No. 2015194301**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th June 2021**. 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 : **MULTI OBJECTIVE OPTIMIZATION ALGORITHM FOR PERFORMANCE AND EMISSIONS CHARACTERISTICS OF MULTI BLENDED BIO DIESEL ENGINE WITH THE AID OF DEEP BELIEF NEURAL NETWORK**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. JEYA JEEVAHAN.J**, bearing **Register No. 2015194201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th June 2021**. 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 : **CHARACTERIZATION AND EVALUATION OF MECHANICAL PROPERTIES OF EDIBLE COMPOSITE FILMS FOR FOOD PACKAGING APPLICATIONS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 12th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Muruganantham A.**, bearing **Register No. 2013191105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd July 2021**. 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 : **Study and Design of Framework for Social Media Data Analytics based on Multi-Criteria Decision Making (MCDM) models**

Name of the Supervisor : **Dr. Meera Gandhi.G**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 12th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VENKATESH.R.**, bearing **Register No. 2013794101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th July 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **STUDIES ON MECHANICAL PROPERTIES AND WEAR ANALYSIS OF NANO METAL MATRIX COMPOSITES**

Name of the Supervisor : **Dr. Vaddi Seshagiri Rao**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 12th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAJEESH KUMAR.N.V**, bearing **Register No. 2015191205**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th July 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A NOVEL PROTOCOL FOR THE SECURITY OF INTERNET OF THINGS (IoT) ENVIRONMENT**

Name of the Supervisor : **Dr. Mohan Kumar.P**


12/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 12th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Kavitha.V**, bearing **Register No. 2013191103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th July 2021**. 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 VIDEO SEARCH IN E-LEARNING**

Name of the Supervisor : **Dr. Latha Parthiban**

B. Sheela Rani
12/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 20th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. NITHYA.D**, bearing **Register No. 2015192104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th July 2021**. 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, FABRICATION AND ANALYSIS OF FIXED FREQUENCY AND RECONFIGURABLE MICROSTRIP FILTERING ANTENNAS**

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

B. Sheela Rani
20/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 20th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. BARONSAM.B**, bearing **Register No. 2015191101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th July 2021**. 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 : **MEDICAL IMAGE RESTORATION IN MR/CT IMAGES OF HUMAN ABDOMEN**

Name of the Supervisor : **Dr. Lenin fred**

B. Shud. Rani
20/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 20th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. N. ANUSHA**, bearing **Register No. 2016191117**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **14th July 2021**. 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 : **FLOOD DETECTION AND MAPPING FROM MULTI-TEMPORAL SENTINEL - 1A
SYNTHETIC APERTURE RADAR IMAGERY USING AUTOMATED FLOOD DELINEATION
TECHNIQUE**

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

B. Sheela Rani
20/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 20th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. GEETHA.V**, bearing **Register No. 2015193104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **14th July 2021**. 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 : **ANALYSIS AND CONTROL OF RESONANT CONVERTER FOR INDUCTION HEATING SYSTEMS**

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

B. Sheela Rani
20/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MAHIL LOO CHRISTOPHER.C**, bearing **Register No. 2013194204**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th July 2021**. 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 : **PREDICTION OF ULTIMATE STRENGTH OF COMPOSITE TENSILE SPECIMEN USING ACOUSTIC EMISSION RESPONSE**

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

B. Sheela
27/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SARAVANAN.S**, bearing **Register No. 2013193113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th July 2021**. 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 : **ADVANCED TECHNIQUES BASED MAXIMUM POWER POINT TRACKING ON SOLAR PV APPLICATIONS**

Name of the Supervisor : **Dr. Sivakumaran.T.S**

B. Sheela Rani
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Umbrajkar Amit Mallinath**, bearing **Register No. 2012794107**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th July 2021**. 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 : **CONDITION MONITORING AND VIBRATION ANALYSIS OF SHAFT MISALIGNMENT USING DISCRETE WAVELET TRANSFORM**

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

B. Sheela Rani
27/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref. No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PUSHPAVALLI.M**, bearing **Register No. 2014793101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th July 2021**. 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 : **IMPLEMENTATION OF MULTI-INPUT KY BOOST CONVERTER FOR HYBRID RENEWABLE ENERGY SYSTEM**

Name of the Supervisor : **Dr. Jothi Swaroopan.N.M**

B. Sheela Rani
27/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 31st July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. DINESH.R.**, bearing **Register No. 2013792122**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd July 2021**. 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 : **DEVELOPING FPGA ARCHITECTURE OF ALL DIGITAL PHASE LOCKED LOOP WITH POWER REDUCTION AND IMPROVED FREQUENCY RESOLUTION FOR WIRELESS APPLICATION**

Name of the Supervisor : **Dr. Ramalatha Marimuthu**

B. Sheela Rani
21/7/2021

DIRECTOR (RESEARCH)

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

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jepiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref. No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 31st July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MANIKANDAN.G**, bearing Register No. 2014791109, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd July 2021**. 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 : **SECURING DATA TRANSMISSION FROM ADVERSARIES IN WSN USING EFFICIENT KEY MANAGEMENT TECHNIQUES**

Name of the Supervisor : **Dr. Sakthi.U**


DIRECTOR (RESEARCH)

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

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Jepplaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 31st July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SHAKTHIMURUGAN.K.H**, bearing Register No. 2015792101, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th July 2021**. 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 ANALYSIS OF FREE SPACE OPTICS FOR 5G COMMUNICATION**
Name of the Supervisor : **Dr. Sumathi.M**

B. Sheela Rani
31/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 31st July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.AUXILIA.M**, bearing **Register No. 2012191111**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th July 2021**. 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 : **ONTOLOGY BASED ACCESS CONTROL BY EXPLOITING SUBSUMPTION PROPERTY TO PROTECT DATA LEAKAGE IN CLOUD ENVIRONMENT**

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

B. Sheela Rani
31/7/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 10th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MATHEW ALPHONSE**, bearing **Register No. 2016794102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th July 2021**. 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 FRICTION DRILLING OF MAGNESIUM ALLOY AND SANDWICH MATERIAL**

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

B. Shulake
10/8/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 10th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. JOHN PAUL.M**, bearing **Register No. 2011198101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th July 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Business Administration**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A COMPARATIVE STUDY ON CRM PRACTICES WITH REFERENCE TO NATIONALIZED BANKS AND NEW GENERATION BANKS IN CHENNAI**

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

B. Sheela Rani
10/8/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 10th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MANIKAVELAN.D**, bearing **Register No. 2011791107**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th July 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DYNAMIC OPTIMIZATION TECHNIQUES USING ANALOGY ERROR REDUCTION FOR EFFECTIVE SOFTWARE COST ESTIMATION**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 10th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SATHAPPAN.S**, bearing **Register No. 2009791121**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th July 2021**. 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 CLUSTERING OF UNCERTAIN DATA**

Name of the Supervisor : **Dr. Tomar.D.C**

B. Sheela
20/8/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

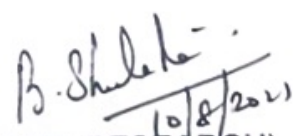
Date: 10th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.GAYATHRI K**, bearing **Register No. 2016799602**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd August 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science and Humanities (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EVALUATING THE MECHANISMS OF PROLIFERATIVE INHIBITOR ISOLATED FROM MARINE SPONGE SYMBIONTS IN EXPERIMENTAL LIVER CARCINOGENESIS**

Name of the Supervisor : **Dr. Madan Kumar**


10/8/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

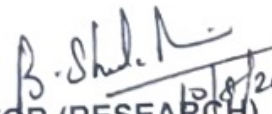
Date: 10th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SENTHIL KUMAR G**, bearing **Register No. 2015791114**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd August 2021**. 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 : **RESOURCE MANAGEMENT IN IAAS-SDN CLOUD USING POLICY SCHEDULING ALGORITHMS**

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


10/8/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 19th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VASANTHI P**, bearing **Register No. 2015196104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6th August 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Civil Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **BEHAVIOUR OF NANO MODIFIED CONCRETE IN - FILLED WITH LIGHT GAUGE STEEL TUBE COLUMNS**

Name of the Supervisor : **Dr. Senthil Selvan.S**

B. Sheela Rani
19/8/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 19th August 2021

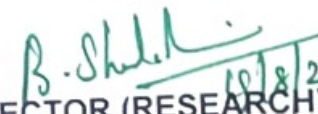
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ARANGANATHAN A**, bearing **Register No. 2011192403**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6th August 2021**. 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 ANALYSIS OF ROUTING ATTACKS IN MANETS USING SOFTWARE**

AGENTS

Name of the Supervisor : **Dr. Suriyakala C D**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

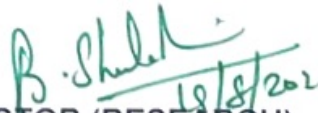
Date: 19th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SELVARANI A**, bearing **Register No. 2015192113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th August 2021**. 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 : **DIABETES DETECTION AND MEASUREMENT USING TONGUE THERMAL IMAGES**

Name of the Supervisor : **Dr. Suresh.G.R**


19/8/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 19th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DEORE SHALAKA PRASAD**, bearing **Register No. 2016791112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th August 2021**. 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 DEVANAGARI HANDWRITTEN CHARACTER RECOGNITION SYSTEM USING VARIOUS MACHINE LEARNING ALGORITHMS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VENKATARAMANAN V**, bearing **Register No. 2014792101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th August 2021**. 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 ANALYSIS OF LTE PHYSICAL LAYER AND ITS IMPLEMENTATION USING RECONFIGURABLE ARCHITECTURE**

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

B. Sheela Rani
26/8/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SANAJ M S**, bearing **Register No. 2014191208**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th August 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **NATURE INSPIRED ALGORITHMS FOR EFFICIENT TASK SCHEDULING IN CLOUD COMPUTING**

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


26/8/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ARJUN P**, bearing **Register No. 2014199601**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th August 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science and Humanities (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **BIOASSAY GUIDED ISOLATION OF HUMAN ACETYLCHOLINESTERASE INHIBITORY TRANS -TEPHROSTACHIN, NANOGEL MEDIATED BLOOD BRAIN BARRIER PERMEABILITY AND CRISPR/CAS9 BASED SORL1 KNOCK OUT DEVELOPMENT IN ZEBRAFISH MODEL FOR ALZHEIMER'S DISEASE**

Name of the Supervisor : **Dr. Rajesh Kannan.R**

B. Sheela Rani
26/8/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. DEEPAK .J .R**, bearing **Register No. 2013794112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th August 2021**. 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 STUDIES ON GTAW, GMAW AND LBW WELDING OF CORTEN STEEL**

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

B. Sheela Rani
26/8/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SELVAM L**, bearing **Register No. 2014191113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th August 2021**. 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 : **DEVELOPING AN EFFECTIVE CRYPTOSYSTEM FOR SECURE MANAGEMENT OF HEALTHCARE DATA IN CLOUD ENVIRONMENT**

Name of the Supervisor : **Dr. Arokia Renjith J**

B. Sheela Rani
26/8/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SARANYA SREE S**, bearing **Register No. 2017798104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th August 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Business Administration**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **PERFORMANCE EVALUATION OF WOMEN EMPLOYEE'S IN EDUCATION SECTOR**

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

B. Sheela Rani
26/8/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. MARY ROSANA.N.T**, bearing **Register No. 2013797101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th August 2021**. 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 : **PHOTOVOLTAIC PERFORMANCE ENHANCEMENT OF NATURAL AND SYNTHETIC SENSITIZERS IN DYE SENSITIZED SOLAR CELLS**

Name of the Supervisor : **Dr. Joshua Amarnath.D**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th August 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Tippabathani Jayakrishna**, bearing **Register No. 2014799605**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th August 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science and Humanities (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **STUDIES ON KEY DEVELOPMENTAL REGULATORY MECHANISMS ASSOCIATED WITH DOPAMINERGIC NEURON DURING DEGENERATION AND REGENERATION**

Name of the Supervisor : **Dr. Jayshree Nellore**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 3rd September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAJA M**, bearing **Register No. 2011798105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd August 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Business Administration**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A STUDY ON CONSUMER PERCEPTION TOWARDS PRIVATE LABELS - WITH SPECIAL REFERENCE TO FOOD PRODUCTS IN CHENNAI DISTRICT**

Name of the Supervisor : **Dr. Saifil Ali.M.I**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 3rd September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Senthilkumar J**, bearing **Register No. 2013194206**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th August 2021**. 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 INVESTIGATIONS ON THE MECHANICAL AND MICROSTRUCTURAL CHARACTERISTICS OF FRICTION WELDED AA6061/SiC/GRAPHITE HYBRID COMPOSITES**

Name of the Supervisor : **Dr. Suresh Mohan Kumar.P**

B. Sheela Rani
3/9/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 3rd September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. ANUGRAGHA S S**, bearing **Register No. 2011798101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th August 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Business Administration**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **SERVICE MIX, CUSTOMER SATISFACTION AND STORE ADVOCACY IN SUPERMARKETS**

Name of the Supervisor : **Dr. Saifil Ali.M.I**

B. Sheela Rani
21/9/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 13th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KISHORE KUMAR ATA**, bearing **Register No. 2012792107**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st September 2021**. 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 : **RECONFIGURABLE LOW POWER LOGARITHMIC NUMBER SYSTEM PROCESSOR**

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

B. Sheela
13/9/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 13th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. DHAMODARAN. S**, bearing **Register No. 2014191201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **3rd September 2021**. 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 AND ANALYSIS OF ENSEMBLE MODEL USING SPATIAL TEMPORAL DATA TO PREDICT THE CLIMATIC CHANGES USING MACHINE LEARNING CLASSIFIERS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 13th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SUMITHRA M**, bearing **Register No. 2015791112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th September 2021**. 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 AND IMPLEMENTATION OF A HYBRID APPROACH FOR THE OPTIMIZATION OF 3D MRI AND CT BRAIN IMAGE SEGMENTATION WITH FUSION PROCESS**

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

B. Sheela Rani
13/9/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VIJAYALAKSHMI P**, bearing **Register No. 2014196102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th September 2021**. 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 THE EFFICIENCY OF LOW COST PERMEABLE BARRIER MATERIALS TO TREAT LEACHATE CONTAMINATED GROUNDWATER AND SOIL**

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


27/9/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

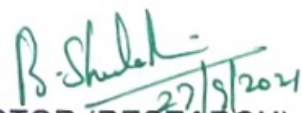
Date: 27th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SULTANUDDIN.S.J**, bearing **Register No. 2013791207**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th September 2021**. 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 Efficient Token Based Adaptive Routing Mechanism to Enhance the Network Performance in MANET**

Name of the Supervisor : **Dr. MD Ali Hussain**


DIRECTOR (RESEARCH)

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

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Jepplaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. DHEERA V R**, bearing **Register No. 2013798103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th September 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Business Administration**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **IMPACT OF HR PRACTICES, TRANSITION OF CHANGE AND ATTITUDE ON EMPLOYEE COMMITMENT**

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


27/9/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ARUN KUMAR S**, bearing **Register No. 2014794107**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th September 2021**. 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 : **A SINGLE BASIN SQUARE PYRAMID SOLAR STILL – ANALYSIS OF PRODUCTIVITY OF WATER**

Name of the Supervisor : **Dr. Suresh Mohan Kumar.P**

B. Sheela Rani
27/9/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JUDY SIMON**, bearing **Register No. 2016192112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th September 2021**. 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 : **INVESTIGATION ON THE PERFORMANCE OF 4G LTE MIMO-OFDM SYSTEMS**

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

B. Sheela Rani
27/9/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PATHAK GANESH RAJARAM**, bearing **Register No. 2013191101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st September 2021**. 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 SECURE FRAMEWORK FOR WIRELESS SENSOR NETWORK**

Name of the Supervisor : **Dr. Godwin Premi.M.S**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th September 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VIJAYAKUMAR.S**, bearing **Register No. 2013794108**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st September 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **STUDIES ON MECHANICAL PROPERTIES AND VIBRATION ANALYSIS OF A NOVEL CARYOTA FIBER REINFORCED POLYMER COMPOSITES**

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

B. Sheela Rani
27/9/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th October 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. P. VENGATESH**, bearing **Register No. 2015799404**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd September 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science and Humanities (Chemistry)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **FABRICATION OF ORGANIC-INORGANIC HYBRID METAL HALIDE PEROVSKITES BASED SOLID STATE SOLAR CELLS**

Name of the Supervisor : **Dr. T. S. Shyju**

B. Sheela Rani
9/10/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th October 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. RAMA P**, bearing **Register No. 2013791109**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd September 2021**. 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 : **IMPLEMENTATION OF EFFICIENT METHODOLOGIES FOR TRACKING OF SENSOR NODE LOCATIONS IN LARGE SCALE SUBTERRANEAN ENVIRONMENTS**

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

B. Sheela Rani
9/10/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th October 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. AMALA LOURTHURAJ A**, bearing **Register No. 2011199608**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd September 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science and Humanities (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **BIOACTIVITY STUDIES ON CLEISTANTHUS COLLINUS (ROXB.) BENTH. EX HOOK. F. LEAF EXTRACTS**

Name of the Supervisor : **Dr. Masilamani Selvam**

B. Sheela
9/10/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th October 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. A.S. PRAKAASH**, bearing **Register No. 2016799202**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th September 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science and Humanities (Mathematics)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INTELLIGENT PREDICTIVE ANALYSIS TOWARDS DIFFERENT APPLICATIONS**

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

B. Sheela Rani
9/10/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th October 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SOBIYA. S.L.**, bearing **Register No. 2013198104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th September 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Business Administration**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INFLUENCE OF E-BANKING SERVICE QUALITY ON CUSTOMERS SATISFACTION AMONG PUBLIC SECTOR BANKS IN CHENNAI CITY**

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

B. Sheela Rani
9/10/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th October 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RONALD DONI. A**, bearing **Register No. 2016191112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th September 2021**. 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 STUDY ON PUBLIC HEALTH SURVEILLANCE USING BIG DATA ANALYTICS**

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

B. Sheela Rani
9/10/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 21st October 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. AMBIKAVATHI C**, bearing **Register No. 2011199506**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th October 2021**. 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 : **ENHANCEMENT OF INTRUSION DETECTION TECHNIQUES IN DISTRIBUTED ENVIRONMENT**

Name of the Supervisor : **Dr.S K Srivatsa**

B. Sheela
21/10/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th November 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SUJESH P LAL**, bearing **Register No. 2013791116**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd October 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **AN EFFICIENT PROVENANCE BASED SECURITY MECHANISM FOR WIRELESS SENSOR NETWORKS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th November 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAVIKUMAR .D.N.S**, bearing **Register No. 2014792113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th October 2021**. 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 EMPIRICAL ROUTING PROTOCOL FOR DATA DISSEMINATION IN VEHICULAR ADHOC NETWORKS (VANETs)**

Name of the Supervisor : **Dr. S Barani**,

B. Sheela Rani
9/11/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th November 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. NISHA EVANGELIN. L**, bearing **Register No. 2014791112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th October 2021**. 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 : **HYBRID APPROACH - ANALYSIS OF OPTIMAL CLASSIFICATION TECHNIQUES FOR MULTIMODAL BIOMETRIC AUTHENTICATION**

Name of the Supervisor : **Dr. A. Lenin Fred**

B. Sheela Rani
9/11/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 9th November 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. DURAI BABU. B**, bearing **Register No. 2013793104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st November 2021**. 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 : **IMPLEMENTATION OF DYNAMIC VOLTAGE RESTORER BASED ON SPACE VECTOR MODULATION FOR Z- SOURCE INVERTER**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 23rd November 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAMAKRISHNA . V**, bearing **Register No. 2014791115**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th November 2021**. 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 : **BOTNET DETECTION SYSTEMS FOR MIMICKING ATTACKS**

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

B. Sheela
23/11/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 23rd November 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ANBARASU S**, bearing **Register No. 2014199604**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th November 2021**. 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 : **EVALUATION OF BACTERIOCINS FROM LACTIC ACID BACTERIA AND SYNTHESIS OF NANOMATERIALS AGAINST MYCOBACTERIUM TUBERCULOSIS**

Name of the Supervisor : **Dr. Vanaja Kumar**

B. Sheela Rani
23/11/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 15th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. AJITH KUMAR S**, bearing **Register No. 2015799403**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th November 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Chemistry)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INVESTIGATION ON MICROSTRUCTURAL AND ELECTRICAL PROPERTIES OF CERIA BASED ELECTROLYTES AND ELECTRODES FOR INTERMEDIATE TEMPERATURE SOLID OXIDE FUEL CELLS**

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

B. Sheela
15/12/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 15th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JOJY JOHN**, bearing **Register No. 2017199601**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th November 2021**. 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 : **DIVERSITY, GENOMIC STUDIES AND RESISTANCE MECHANISMS OF MODERATE HALOPHILIC BACTERIA: INSIGHTS FROM SALINIVIBRIO SP. ISOLATED FROM MARAKKANAM SALT PAN**

Name of the Supervisor : **Dr. Vinu Siva S**

B. Sheela Rani
15/12/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 15th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. JABILA MARY.T.R**, bearing **Register No. 2014799606**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st December 2021**. 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 MARINE STREPTOMYCES DERIVED KALAFUNGIN WITH BETA LACTAMASE INHIBITION POTENTIAL AND ITS ANTI-STAPHYLOCOCCAL INFECTION STUDIES IN ZEBRAFISH MODEL**

Name of the Supervisor : **Dr. R. Rajesh Kannan**

B. Sheela Rani
15/12/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 15th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.GOKULAKRISHNAN. S**, bearing **Register No. 2013191205**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th December 2021**. 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 INVESTIGATION ON DATA INTEGRITY USING KEYWORD OPTIMIZATION FOR CLOUD DATA REPLICATION**

Name of the Supervisor : **Dr. J.M.GNANASEKAR**

B. Sheela Rani
15/12/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

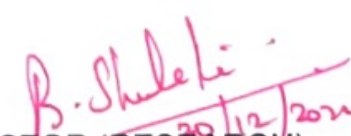
Date: 20th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. RESHMA M**, bearing **Register No. 2013792113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th December 2021**. 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 COMPREHENSIVE FRAMEWORK FOR THE DETECTION OF MELANOMA FROM DERMOSCOPY IMAGES BASED ON MODIFIED TOTAL DERMOSCOPY SCORE**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

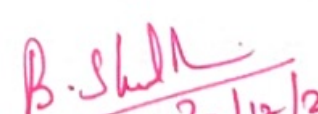
Date: 20th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SENTHILKUMAR G**, bearing **Register No. 2015794201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **13th December 2021**. 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 : **A STUDY ON CONTINUOUS DRIVE SOLID STATE FRICTION WELDED EN 10028 P 355GH STEEL AND AISI 430 FERRITIC STAINLESS STEEL**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 20th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ANANDH JESURAJ S**, bearing **Register No. 2016199302**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **15th December 2021**. 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 CERAMIC TOP COAT MATERIALS DEVELOPED BY ELECTRON BEAM PHYSICAL VAPOUR DEPOSITION FOR THERMAL BARRIER COATINGS**

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

B. Sheela
20/12/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 20th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. RAJA J**, bearing **Register No. 2012191122**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th December 2021**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A NOVEL CHARACTERISTIC STRUCTURE ARRANGEMENT OF USER LOG BASED PRIVACY PRESERVING DURING AUDITING TIME IN CLOUD ENVIRONMENT**

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

B. Sheela Rani
20/12/2021
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 20th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VINODKUMAR S**, bearing **Register No. 2015197102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th December 2021**. 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 : **MEMBRANE DESALINATION USING FLUX ENHANCEMENT**

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

B. Sheela Rani
20/12/2021

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 4th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. NIVIN JOY THYKATTUSSERRY**, bearing **Register No. 2012794104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th December 2021**. 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 AND ANALYSIS IN DRILLING OF TITANIUM ALLOY WITH DIFFERENT COOLANTS**

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


4/1/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 4th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. GAIKWAD PRADEEP UTTAM**, bearing **Register No. 2017194104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd December 2021**. 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 PERFORMANCE AND EMISSION**

CHARACTERISTICS OF VARIOUS BIODIESEL BLENDS WITH NANOPARTICLES AS ADDITIVES

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

B. Sheela Rani
4/1/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 4th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VENGATA KRISHNAN K**, bearing **Register No. 2010199213**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd December 2021**. 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 GRACEFUL LABELED GRAPH**

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

B. Sheela Rani
4/1/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 4th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. BALAMURUGAN A**, bearing **Register No. 2013793102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th December 2021**. 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 : **FAULT DETECTION AND DIAGNOSIS OF MULTI-PHASE INDUCTION MOTOR DRIVES WITH DIFFERENT OPTIMIZATION APPROACHES**

Name of the Supervisor : **Dr.T.S.Sivakumaran**

B. Sheela Rani
4/1/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 12th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. REFONAA J**, bearing **Register No. 2014791116**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **3rd January 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ANALYSIS OF SOFT COMPUTING MODELS FOR RAINFALL PREDICTION**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

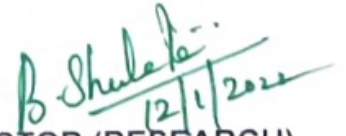
Date: 12th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. THAHA H S**, bearing **Register No. 2014193103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th January 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **MODELING OF DVR BASED IPQC FOR SELF HEALING OF POWER QUALITY PROBLEMS IN COMPOSITE MICRO-GRID**

Name of the Supervisor : **Dr. T. Ruban Deva Prakash**


12/1/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 12th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SWATHI KESH**, bearing **Register No. 2016799609**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th January 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **UNRAVELLING THE ROLE OF NEUROACTIVE SMALL MOLECULE INTERACTIONS IN OXIDOPAMINE INDUCED PARKINSONISM IN ZEBRAFISH**

Name of the Supervisor : **Dr. R. Rajesh Kannan**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

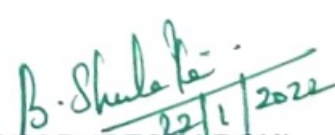
Date: 22nd January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PADMANABHAN B**, bearing **Register No. 2013193103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th January 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DYNAMIC ECONOMIC DISPATCH CONSIDERING WIND POWER PENETRATION**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 22nd January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. R. NIRMALA**, bearing **Register No. 2012196101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th January 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Civil Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **STUDY ON MECHANICAL BEHAVIOUR OF BURIED UN-PLASTICIZED POLY VINYL CHLORIDE PIPES – LABORATORY MODEL STUDIES AND PARAMETRIC ANALYSIS**

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

B. Sheela Rani
22/1/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 28th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VELAVAN K**, bearing Register No. 2013194205, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th January 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **STUDIES ON MECHANICAL, WEAR AND DRILLING CHARACTERISTICS OF AL-10% B4C-MICA HYBRID COMPOSITES**

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

B. Sheela Rani
28/1/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 28th January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. NIRMALA N**, bearing **Register No. 2013799609**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th January 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **Production, Characterization and Application of Biodiesel from Waste Cooking Oil and *Chlorella variabilis* Algal Oil Blend**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 10th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PURUSOTHAMAN M**, bearing **Register No. 2016794107**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **31st January 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **THERMAL PERFORMANCE, THIN-LAYER MODELLING, EXERGO ENVIRONMENTAL ANALYSIS OF ACTIVE AND PASSIVE MODE GREENHOUSE SOLAR DRYER FOR VEGETABLES**

Name of the Supervisor : **Dr.T.N.Valarmathi**

B. Sheela Rani
10/2/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 10th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. ABIRAMI. P**, bearing **Register No. 2016793108**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **2nd February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ENHANCING POWER QUALITY IN DISTRIBUTION NETWORK USING SHUNT ACTIVE FILTER**

Name of the Supervisor : **Dr. C.N Ravi**

B. Sheela Rani
10/2/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

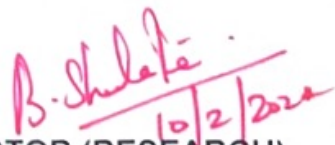
Date: 10th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. VIDHYA.S**, bearing **Register No. 2012191205**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **PERFORMANCE STUDIES ON IMPROVING DATA INTEGRITY AND INTRUSION DETECTION FOR ENERGY EFFICIENT WIRELESS SENSOR NETWORK**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. AKONDI VYASA BHARADWAJA**, bearing **Register No. 2016192106**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A STUDY AND ANALYSIS OF DNA COMPUTING AND ELLIPTIC CURVE
CRYPTOGRAPHY BASED ENCRYPTION ALGORITHM FOR WIRELESS MULTIMEDIA
COMMUNICATION SYSTEM**

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

B. Sheela Rani
18/2/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SANJEEVI PRASATH S**, bearing **Register No. 2014799401**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Chemistry)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **STIMULI-RESPONSIVE BLOCK COPOLYMERS: SYNTHESIS STRATEGIES, FUNCTIONALIZATION, AND SELECTIVE APPLICATIONS**

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

B. Sheela Rani
18/2/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ROHIT RAGHUNATH GHADGE**, bearing **Register No. 2012794202**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INVESTIGATIONS ON THE COMPOSITE MATERIALS, STRUCTURES AND NANO MODIFIED ADHESIVE SINGLE LAP JOINT**

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

B. Sheela Rani
18/2/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SUBASHNI B**, bearing **Register No. 2016799606**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **14th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **MOLECULAR EVALUATION OF CHITOSAN NANOPARTICLES MEDIATED CURCUMIN AND QUERCETIN DELIVERY AGAINST PATHOGEN INDUCED OXIDATIVE STRESS IN**

Litopenaeus vannamei

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

B. Sheela Rani
26/2/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. V.RAJU**, bearing **Register No. 2012199601**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Computer Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **FUZZY LOGIC APPROACH TO WEB SEARCH PERSONALIZATION**

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

B. Sheela Rani
26/2/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. THOMAS GEORGE**, bearing **Register No. 2016192107**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **OPTIMAL TUNING OF FRACTIONAL ORDER PROPORTIONAL INTEGRAL DERIVATIVE (FOPID) CONTROLLER IN TIME DELAY SYSTEM USING DIFFERENT STRATEGIES**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th February 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SHEEBA SANTHOSH**, bearing **Register No. 2014792110**, **Ph.D.** Research Scholar has successfully completed the Viva Voce Examination held on **18th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **PATIENT IDENTIFICATION AND COMPARATIVE STUDY OF BIOIMPEDANCE BASED DIAGNOSIS**

Name of the Supervisor : **Dr.A. Vimala Juliet**

B. Sheela Rani
26/2/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SUDHA . J**, bearing **Register No. 2010191113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Computer Science and Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **CUSTOMIZED MACHINE LEARNING MODELS FOR PREDICTION AND CLASSIFICATION OF SKIN DISEASES**

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

B. Sheela Rani
7/3/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ARUL.V.H**, bearing **Register No. 2015192105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DESIGN AND DEVELOPMENT OF AN ENHANCED SPEECH EMOTION RECOGNITION ALGORITHM THROUGH NOVEL ADAPTIVE FD-AMS**

Name of the Supervisor : **Dr.Ramalatha Marimuthu**

B. Sheela Rani
7/3/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SARAVANAN V**, bearing **Register No. 2014199603**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Science (Life Sciences)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **BIOCHEMICAL AND TOXICOLOGICAL CHANGES FOLLOWING THE USE OF KALANCHOE PINNATA - AN INDIAN TRADITIONAL MEDICINE**

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


2/3/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. BHARATHI K**, bearing **Register No. 2013793103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th February 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electrical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DESIGN AND IMPLEMENTATION OF BIDIRECTIONAL CONVERTER FOR PV BASED GRID CONNECTED SYSTEM**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 7th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. GOLLAMANDALA UDAY KIRAN BHARGAVA**, bearing **Register No. 2015192101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **1st March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **FPGA IMPLEMENTATION OF COMBINATORIAL FILTERING APPROACH FOR IMAGE DENOISING USING QCA TECHNOLOGY**

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

B. Sheela Rani
7/3/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 16th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SNIGDHA PREETHI R V**, bearing **Register No. 2015798103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Management**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **WOMEN EMPLOYMENT DURING AN ERA OF HIGH ECONOMIC GROWTH:**

A HR PERSPECTIVE

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 16th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. ANITA DANIEL D**, bearing **Register No. 2015192110**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **7th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **AN EFFICIENT TRUST BASED PRIVACY PRESERVING DATA AGGREGATION IN WIRELESS SENSOR NETWORKS**

Name of the Supervisor : **Dr. S.Emalda Roslin**


16/3/22
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 16th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.SRILATHA .K**, bearing **Register No. 2015792124**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **10th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DETECTION OF OVARIAN TUMOUR BY SOFT COMPUTING TECHNIQUES**

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

B. Sheela Rani
16/3/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 16th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SIVARAMAN V**, bearing **Register No. 2013794202**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **SOME STUDIES ON TURNING OF HARDENED STEEL**

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

B. Sheela Rani
16/3/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 22nd March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SIVA R**, bearing **Register No. 2016794106**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **14th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EVALUATION OF MECHANICAL PROPERTIES OF CHEMICALLY TREATED CISSUS QUADRANGULARIS FIBER REINFORCED BIOCOSCOMPOSITES**

Name of the Supervisor : **Dr. T.N.Valarmathi**


22/3/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

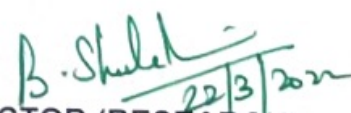
Date: 22nd March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PRABHU L**, bearing **Register No. 2010194206**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Mechanical Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INVESTIGATIONS ON THE JOINING OF DISSIMILAR METAL-POLYMER COMPOSITE USING ECCENTRIC FRICTION STIR WELDING PROCESS**

Name of the Supervisor : **Dr. S. Satish Kumar**


22/3/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 30th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. IMMANUEL RAJKUMAR R.**, bearing **Register No. 2012792301**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **MOBILE AGENT BASED E-CONTROL OF COLLISION AVOIDANCE IN RAILWAY SECTOR**

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

B. Sheela Rani
20/3/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 30th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KAVITHA RAJAYOGAN**, bearing **Register No. 2015198101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Management**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ACCEPTANCE AND ADOPTION OF TECHNOLOGY IN E SHOPPING WITHIN TAMILNADU**

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

B. Sheela Rani
30/3/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 30th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MEGALAN LEO. L**, bearing **Register No. 2014192401**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DIGITAL IMAGE ANALYSIS OF DENTAL RADIOGRAPHY FOR CAVITY DETECTION**

Name of the Supervisor : **Dr. T. Kalpalatha Reddy**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 30th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KALIRAJA.T**, bearing **Register No. 2012792105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INVESTIGATIONS ON OPTIMIZED DYNAMIC SOLAR POWER GENERATION USING TAMIL CALENDAR FOR MICROGRID APPLICATIONS**

Name of the Supervisor : **Dr. J.Martin Leo Manickam**


20/3/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 11th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. BINSON V A**, bearing **Register No. 2017792201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th March 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **Faculty of Electronics Engineering**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DETECTION OF PULMONARY DISEASES USING VOC ANALYSIS OF EXHALED**

BREATH

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

B. Sheela Rani
11/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 11th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. YOVAN FELIX. A**, bearing **Register No. 2014191112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th MARCH 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **GIS BASED FLOOD RISK ASSESSMENT USING MACHINE LEARNING ALGORITHMS**

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

B. Sheela Rani
11/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 11th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. P PARAMESWARI**, bearing **Register No. 2013799604**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th MARCH 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF SCIENCE (LIFE SCIENCES)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **IN VITRO ANTI-INFLAMMATORY AND ANTICANCER ACTIVITY OF QUERCETIN FROM Artemisia nilagirica (CLARKE) PAMP.**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 11th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.ARUL KUMAR D**, bearing **Register No. 2015792113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **31st MARCH 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **DETECTION AND ANALYSIS OF DIABETES MELLITUS BY NON-INVASIVE METHODS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 11th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. C. MANOJ KUMAAR**, bearing **Register No. 2015196101**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF CIVIL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXPERIMENTAL INVESTIGATION ON SELF-HEALING CONCRETE – MECHANICAL, THERMAL AND MICRO-STRUCTURAL STUDIES**

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

B. Sheela Rani
11/4/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 11th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ASWINSESHADRI. K**, bearing **Register No. 2013192114**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **STUDY OF BRAIN COMPUTER INTERFACE USING SOFT COMPUTING TECHNIQUES**

Name of the Supervisor : **Dr.V.THULASI BAI**

B. Sheela Rani
11/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 11th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. V. MURUGESAN**, bearing Register No. 2012796103, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF CIVIL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ENHANCED DEGRADATION OF ORGANIC WASTE FOR COMPOST SYNTHESIS WITH EFFECTIVE PRECULTURED MICROBIAL CONSORTIUM: A CLEANER STRATEGY OF RECYCLING AND RECOVERY**

Name of the Supervisor : **Dr. D. JOSHUA AMARNATH**

B. Sheela Rani
11/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 11th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.S.EBIN HARRISON.K**, bearing **Register No. 2013196201**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **6th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ARCHITECTURE**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **IMPACT OF URBAN FORM ON OUTDOOR THERMAL COMFORT IN THE TROPICAL CITY OF CHENNAI**

Name of the Supervisor : **Dr. LILLY ROSE A**

B. Sheela Rani
11/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.KAVITHA.K.J**, bearing **Register No. 2013791103**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **8th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ROBUST WATERMARKING TECHNIQUES FOR ENSURING CONFIDENTIALITY AND INTEGRITY OF ELECTRONIC HEALTH RECORDS**

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

B. Shuleki
26/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.G. NARENDRAKUMAR**, bearing **Register No. 2014195102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF BIO ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **CHARACTERIZATION OF CHITINASES FROM Serratia spp. AND STUDY ON ITS BIOCONTROL POTENTIAL AND NANO-ENCAPSULATION PROPERTIES**

Name of the Supervisor : **Dr.S.Karthick Raja Namasivayam**

B. Sheela Rani
26/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KHONDE SHRADDHA RAHUL**, bearing **Register No. 2016791113**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **12th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **SECURE DISTRIBUTED INTRUSION DETECTION SYSTEM USING BLOCKCHAIN FRAMEWORK**

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

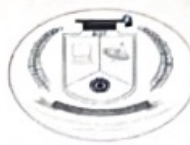
B. Sheela
26/4/2022
DIRECTOR (RESEARCH)

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MATHAN.N**, bearing **Register No. 2015192114**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.
Title : **OPTIMIZATION OF GNR FET CHARACTERISTICS FOR HIGH SPEED AND LOW POWER DIGITAL CIRCUITS**

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

B. Sheela
26/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. BARNABAS PAUL GLADY J**, bearing **Register No. 2011793106**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRICAL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **MODIFIED SWITCHED CAPACITOR LUO CONVERTER FOR HIGH POWER**

APPLICATIONS

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. V.SAIKRISHNAN**, bearing **Register No. 2012194104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF MECHANICAL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXPERIMENTAL, ENERGY AND EXERGY ANALYSES OF THERMAL ENERGY STORAGE SYSTEM WITH VARIOUS PHASE CHANGE MATERIALS IN CYLINDRICAL ENCAPSULATIONS**

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

B. Sheela
26/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 26th April 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.S SATISH KUMAR**, bearing **Register No. 2013193105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **21st April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRICAL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **WPSNN TECHNIQUE IN RENEWABLE ENERGY-BASED ASYMMETRICAL HYBRID MULTILEVEL INVERTER**

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

B. Sheela
26/4/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 5th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SAVITHA. G**, bearing **Register No. 2011192119**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **22nd April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **AN EFFICIENT RECONFIGURABLE ARCHITECTURE FOR SOFTWARE DEFINED RADIO**

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

B. Sheela Rani
5/5/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 5th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.ARUL MAXIMUS R**, bearing **Register No. 2012795301**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF BIO ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **FUNCTIONALISATION OF IRON OXIDE NANOPARTICLES AND IT'S BIOMEDICAL APPLICATIONS**

Name of the Supervisor : **Dr.S.KARTHICK RAJA NAMASIVAYAM**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 5th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SENTHIL MURUGAN M**, bearing **Register No. 2012792112**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.
Title : **IMPLEMENTATION OF MODIFIED HYBRID MODEL ENCRYPTION ALGORITHM USING VLSI**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 5th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.DEVARAJ. R**, bearing **Register No. 2015194104**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **28th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF MECHANICAL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXPERIMENTAL STUDIES ON A CASCADED PARABOLIC TROUGH SOLAR COLLECTOR**

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

B. Sheela Rani
5/5/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 5th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.BALAJI S R**, bearing **Register No. 2016192115**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **29th April 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.
Title : **ENHANCED ACCURACY OF DETECTING AND TRACKING VOLLEYBALL PLAYERS USING METAHEURISTIC ALGORITHMS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MANOJ KUMAR CHAUDHARY**, bearing Register No. 2016794105, Ph.D.

Research Scholar has successfully completed the Viva Voce Examination held on **2nd MAY 2022**.

The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF**

MECHANICAL ENGINEERING, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **INVESTIGATION OF AERODYNAMIC PARAMETERS ON SMALL HORIZONTAL AXIS**

WIND TURBINE BLADE AT LOW WIND SPEEDS

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


DIRECTOR (RESEARCH)

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

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jepplaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.REENA GABRIEL**, bearing Register No. 2013798106, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **4th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF MANAGEMENT**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **ROLE OF CELEBRITY ENDORSEMENTS ON BRAND IMAGE, BUYER BEHAVIOUR AND PURCHASE DECISION TOWARDS ICE CREAMS: A STUDY WITH SPECIAL REFERENCE TO CHENNAI CITY**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. KHEDKAR SHILPA PRAFULL**, bearing **Register No. 2016191109**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **CONGESTION CONTROL IN NETWORK USING MACHINE AND DEEP LEARNING**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

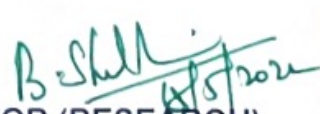
Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.DILLIP KUMAR SAHOO**, bearing **Register No. 2014194207**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **5th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF MECHANICAL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119. Title : **PERFORMANCE ANALYSIS AND OPTIMIZATION OF DEPOSITION OF ALUMINIUM ON CARBON STEEL BY FRICTION SURFACING**

Name of the Supervisor : **Dr. BHULOK SUNDAR MOHANTY**


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KARUNYA RATHAN**, bearing **Register No. 2015791205**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **9th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **LOAD BALANCING FOR OPTIMAL ROUTING IN MULTIRADIO HYBRID WIRELESS MESH NETWORKS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. A.VEERAMUTHU**, bearing **Register No. 2010791228**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **11th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **PERFORMANCE ENHANCEMENT OF SEGMENTATION, CLASSIFICATION AND RETRIEVAL TECHNIQUES FOR BRAIN TUMOR IMAGES**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.TAMILSELVI.M**, bearing **Register No. 2015792122**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **16th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.
Title : **EVALUATION AND ANALYSIS OF EFFECTUAL FACE RECOGNITION METHODS USING HYBRID CNN ALGORITHMS FOR UNCONSTRAINED FACIAL IMAGES**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. T. RAVI**, bearing **Register No. 2014797102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **17th MAY 2022**. 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 : **SELECTIVE REMOVAL OF Cr⁶⁺ FROM WATER BY BIOLOGICAL WASTE MATERIALS DERIVED MAGNETIC NANOADSORBENTS**

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

B. Sheela
27/5/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. MOHAMMAD SUHAIL MEER**, bearing **Register No. 2018799601**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **18th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF SCIENCE (GEOINFORMATICS)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXAMINING LAND USE LAND COVER CHANGES OVER NORTH KASHMIR AND THEIR LINKAGE WITH ENVIRONMENT AND SOCIETY**

Name of the Supervisor : **Dr. ANOOP KUMAR MISHRA**

B. Sheela Rani
27/5/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.KRISHNA PRASANNA R**, bearing **Register No. 2015192111**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **19th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119. Title : **A NOVEL APPROACH FOR THE CLASSIFICATION OF EEG SIGNAL USING NON STATIONARY SIGNAL PROCESSING TECHNIQUES**

Name of the Supervisor : **Dr.V.VIJAYA BASKAR**

B. Sheela
27/5/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 27th May 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. GOKILAVANI N**, bearing **Register No. 2015791105**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **20th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **IMPROVED EFFECTIVE METHODOLOGY FOR TESTCASE PRIORITIZATION IN REGRESSION TESTING USING DISTANCED BASED TRANSPORTATION**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 6th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. PARIVENDHAN INBAKUMAR J**, bearing **Register No. 2012794114**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **23rd MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF MECHANICAL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXPERIMENTAL INVESTIGATION OF BIOBASED HYBRID COMPOSITE MATERIALS**

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


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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 6th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.ANTO PRAVEENA .M.D**, bearing **Register No. 2016191111**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **24th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **A BIG DATA WRANGLING FRAMEWORK FOR HEALTH CARE DATA USING MACHINE INTELLIGENCE**

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


6/6/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 6th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.TIBIN MATHEW THEKKIL**, bearing **Register No. 2016192110**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **25th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF ELECTRONICS ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119. Title : **DEVELOPMENT OF AN EFFICIENT REMOTE MONITORING SYSTEM USING IMPROVED OPTIMIZATION TECHNIQUE FOR WSN**

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

B. Sheela Rani
6/6/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 6th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.SENTHILKUMAR J**, bearing **Register No. 2014794115**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **26th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF MECHANICAL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXPERIMENTAL EXAMINATION ON THE INFLUENCE OF NANOPARTICLES AND EXHAUST GAS AFTER TREATMENT ON DIESEL ENGINE FUELED WITH BIODIESEL BLENDS**

Name of the Supervisor : **Dr. B.R. RAMESH BAPU**

B. Sheela Rani
6/6/2022
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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 6th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.PRIYANKA S**, bearing **Register No. 2015199607**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **27th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF SCIENCE (LIFE SCIENCES)**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **OPTIMIZATION OF CULTURE CONDITIONS AND EXTRACTION PROTOCOLS FOR THE ENHANCED PRODUCTION OF ZEAXANTHIN FROM MARINE CYANOPHYCEAN AND CHLOROPHYCEAN MICROALGAE**

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

B. Sheela Rani
6/6/2022

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.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

CENTRE FOR RESEARCH

Ref: No. Sathyabama/ Ph.D/AR/2021 - 2022

Date: 6th June 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.SRIRAM V**, bearing **Register No. 2014794102**, Ph.D. Research Scholar has successfully completed the Viva Voce Examination held on **30th MAY 2022**. The Oral Examination Board has recommended for the award of Ph.D degree in the **FACULTY OF MECHANICAL ENGINEERING**, Sathyabama Institute of Science and Technology, Chennai – 119.

Title : **EXPERIMENTAL INVESTIGATION ON THERMAL STABILITY OF RECEIVER TUBE OF HIGH TEMPERATURE SOLAR CONCENTRATOR**

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

B. Sheela Rani
6/6/2022

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.