



# SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Kaikkurichi, Pudukkottai -622 303

[www.sbec.edu.in](http://www.sbec.edu.in)

## NAAC DOCUMENTS



Quality Indicator Frame Work

Criterion – 6

**Governance, Leadership and Management**

Submitted by

**IQAC**

**Internal Quality Assurance Cell**

**Sri Bharathi Engineering College for Women**



# **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

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**KAIKKURICHI, PUDUKKOTTAI-622 303**

## **FDP/PDP/MDP/ADP**

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## SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

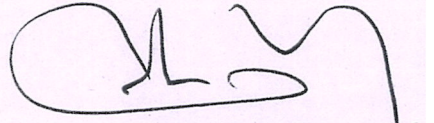
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KAIKKURICHI, PUDUKKOTTAI- 622 303.

### CIRCULAR

DATE : 12.06.2021

Department of Computer Science and Engineering has planned to conduct a Five Day Online Faculty Development Programme on “Applications of IOT in Research and Engineering” from 15<sup>th</sup> June 2021 to 19<sup>th</sup> June 2021 at 10.00 am. All the Faculty Members are requested to attend the program in our college Seminar Hall.

<https://meet.google.com/ocj-dktz-nxu>

  
PRINCIPAL  
PRINCIPAL 12/6/21  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI - 622 303,  
PUDUKKOTTAI DISTRICT

Cc:

All HoD's  
All Faculty Members  
IQAC Coordinator  
Program coordinator  
Office File  
Notice Board

  
Dr. S. THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kaikkurichi - 622 303, Pudukkottai Dt.





2020-2021

FACULTY  
DEVELOPMENT  
PROGRAMME





**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

**KAIKKURICHI, PUDUKKOTTAI-622 303.**

*Five day Online Faculty Development Programme*

*on*

**"APPLICATIONS OF IOT IN RESEARCH AND ENGINEERING"**

*Organized by*

*Department of Computer Science and Engineering*

*On*

15<sup>th</sup> June 2021 to 19<sup>th</sup> June 2021

*at*

*Seminar Hall, SBECW*

**RESOURCE PERSONS**

**Mr.K.MARIMUTHU**

Senior Technical Lead,  
HCL Technologies Limited,  
Chennai

**Ms.V.LAVANYA**

Senior Technical Lead,  
HCL Technologies Limited,  
Chennai

*In the Presence of*

**Mr.G.Dhanasekaran**

Chairman, Sri Bharathi Educational Institutions

**Dr.S.Thilagavathi**

Principal, Sri Bharathi Engineering College for Women

**Er.N.Kanagarajan**

Correspondent Sri Bharathi Engineering College for Women



**Dr. S. THILAGAVATHI M.E., Ph.D.**  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kaikkurichi - 622 303, Pudukkotta Dt.





### VISION

To accomplish the vision of Tamil Poet MAHAKAVI SUBRAMANIYA BHARATHIYAR Sri Bharathi Engineering College for women obliged "To Empower Women as Intellectual, Valued Human, Ethical Engineer through Outcome Based Education to serve the society in the right path".

### MISSION

Our Institution Strive to attain the following Mission statements in order to achieve the Vision of Sri Bharathi Engineering College for women,

- To create conducive atmosphere for Active Teaching and Learning process by adopting Outcome Based Education to turnout an Intellectual Women Engineers.
- To impart value based Education to become Valued Human and professionally groom as Ethical Engineer in the field of Engineering and Allied Areas.
- To inculcate R&D activities in recent engineering and emerging areas to address the day to day issues faced by the society.
- To practice lifelong learning and empowering women students to serve the society as learned person.

### ORGANIZING COMMITTEE

#### CHIEF PATRON

**Shri. G. Dhanasekaran**  
Chairman,  
Sri Bharathi Educational Institutions

**Shri. L. Dawood Gani**  
Secretary,  
Sri Bharathi Educational Institutions

**Shri. N. Kanagarajan**  
Correspondent,  
Sri Bharathi Engineering College for Women

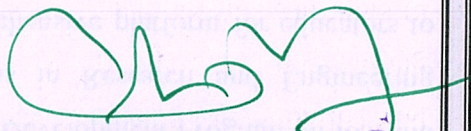
#### PATRON

**Dr. S. Thilagavathi**  
Principal,  
Sri Bharathi Engineering College for Women

#### RESOURCE PERSONS

**Mr.K.Marimuthu**  
Senior Technical Lead,  
HCL Technologies Limited,  
Chennai

**Ms.V.Lavanya**  
Senior Technical Lead,  
HCL Technologies Limited,  
Chennai

  
**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kaikkuruchi - 622 303, Pudukkottai Dt.

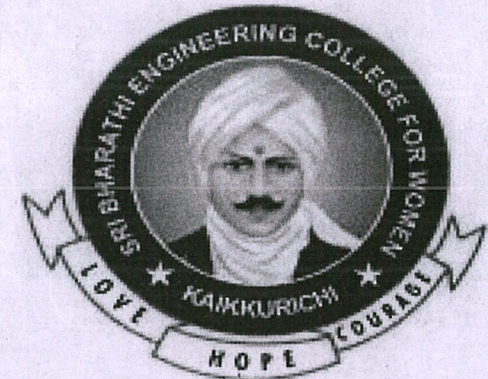
## Five Day Online Faculty Development Programme

### ON "APPLICATIONS OF IOT IN RESEARCH AND ENGINEERING"

15<sup>th</sup> June 2021 to 19<sup>th</sup> June 2021

Organized by

DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING



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## ABOUT OUR INSTITUTION

Since ancient years, Indian women were kept submerged in all the aspects, both inside and outside of their residence. As years passed, there comes freedom in ascending powers to women in many aspects such as education, work, house and so. Nowadays, women are empowered in many challenging tasks. This context paved way for inception of Sri Bharathi Engineering College for Women, the first college started only for women in Pudukkottai, is named after the famous poet and freedom fighter, Bharathiyar, as he fought for women freedom. This college is started in rural area by Sri Bharathi Educational Trust, in the year 2009, mainly to inculcate quality education for rural women. It is located at about 6 Km from Pudukkottai on the Pudukkottai-Aranthangi Road, near Kaikkurichi. This college is approved by AICTE, New Delhi and affiliated to Anna University, Chennai.

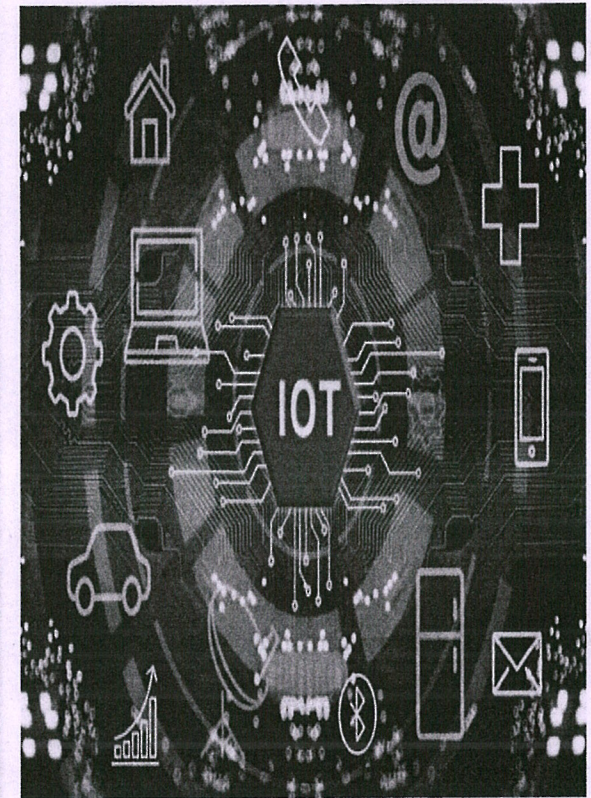
## SCOPE OF THE FDP

The Faculty Development Program on IoT and its Applications in Research and Engineering offers a comprehensive platform for educators to explore the potential of the Internet of Things (IoT). This program aims to equip faculty members with the knowledge and skills necessary to integrate IoT seamlessly into their teaching methodologies and research endeavors. Through focused sessions, participants will delve into the fundamentals of IoT architecture, communication protocols, and sensor integration. The program emphasizes the integration of IoT into interdisciplinary research, guiding educators to explore innovative applications and contribute to the evolving landscape of IoT solutions. The program also provides a networking platform, fostering collaboration among faculty members and professionals, creating a community of educators well-versed in the latest IoT trends. By the program's conclusion, participants will emerge with enhanced technical proficiency, curriculum development skills, and a network of peers, empowering them to inspire the next generation of engineers and researchers.

## COORDINATORS

Mrs. T.K.Mohanapriya, AP/ECE

Mr.C.Palaniyappan, AP/ECE



  
Dr. S.THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL

SRI BHARATHI ENGINEERING  
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**KAIKKURICHI, PUDUKKOTTAI, 622303**

## FIVE DAY ONLINE FDP

ON

### APPLICATIONS OF IOT IN RESEARCH AND ENGINEERING

### PROGRAM SCHEDULE

EVENT DATE : 15-06-21 to 19-06-21  
 VENUE : Seminar Hall  
 ORGANIZED BY : Department of Computer Science & Engineering  
 RESOURCE PERSON : Mr.K.Marimuthu  
 Ms.V.Lavanya  
 Senior Technical Lead, HCL Technologies Limited, Chennai

DAY/ TIME	10.00 am -10.30 am	10.30 am - 11.3am	11.45 am -1.05pm	1.45 pm -3.00 pm	3.00 pm-4.00pm
DAY 1 15-06-21	Inaugural Session	Introduction to IOT Mr.K.Marimuthu	Introduction to IOT Mr.K.Marimuthu	Applications & types of IOT Ms.V.Lavanya	Applications & types of IOT Ms.V.Lavanya
DAY 2 16-06-21	IOT Hardware and Standards Mr.K.Marimuthu		Types of IOT Communication Mr.K.Marimuthu	IOT Communication Protocols and Threats Ms.V.Lavanya	IOT Communication Protocols and Threats Ms.V.Lavanya
DAY 3 17-06-21	IOT in cloud computing Mr.K.Marimuthu		IOT in cloud computing Mr.K.Marimuthu	IOT in Machine Learning Ms.V.Lavanya	IOT in Machine Learning Ms.V.Lavanya
DAY 4 18-06-21	IOT Towards 5g Network- Introduction Ms.V.Lavanya		IOT Towards 5g Network- Introduction Ms.V.Lavanya	IOT to Heterogeneous Wireless Network- Introduction Mr.K.Marimuthu	IOT to Heterogeneous Wireless Network- Introduction Mr.K.Marimuthu
DAY 5 19-06-21	Security and challenges in IOT enable system Ms.V.Lavanya		Demonstration on IOT Project Mr.K.Marimuthu	Demonstration on IOT Project Mr.K.Marimuthu	Feedback and Vote of thanks (Valedictory Function)

**Dr. S.THILAGAVATHI M.E., Ph.D.**  
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(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Kaikkurichi, Pudukkottai-622303, Tamil Nadu

ACADEMIC YEAR (2020-2021)  
Attendance List – Teaching Staffs

## Five Days FDP on Applications of IOT in Research and Engineering

Organized By

Department of Computer Science and Engineering

DATE : 15.06.21 to 19.06.21

SNO	NAME	DEPARTMENT	15.06.21	16.06.21	17.06.21	18.06.21	19.06.21
1.	Dr S.Gunaselvi	Civil					
2.	Ms R.Manju	Civil	R.Py	R.Py	R.Py	R.Py	R.Py
3.	Mrs R.Priya	Civil	R.Priya	R.Priya	R.Priya	R.Priya	R.Priya
4.	Ms G.Gayathri	Civil	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri	G.Gayathri
5.	Ms.S.Vidhya	Civil	S.Vidhya	S.Vidhya	S.Vidhya	S.Vidhya	S.Vidhya
6.	Mrs.P.Dennis Flora	Civil	P.Dennis	P.Dennis	P.Dennis	P.Dennis	P.Dennis
7.	Ms.N.Chithirai selvi	Civil	N.chit	N.chit	N.chit	N.chit	N.chit
8.	Mrs.R.Padma rani	Civil	R.Padma	R.Padma	R.Padma	R.Padma	R.Padma
9.	Mr.A.Sivayogaraj	Civil	A.Sivay	A.Sivay	A.Sivay	A.Sivay	A.Sivay
10.	Ms T.K.Mohanapriya	ECE	T.K.Moh	T.K.Moh	T.K.Moh	T.K.Moh	T.K.Moh
11.	Mrs M.sathya	ECE	M.sathya	M.sathya	M.sathya	M.sathya	M.sathya
12.	Ms G Vidhya	ECE	G.Vidya	G.Vidya	G.Vidya	G.Vidya	G.Vidya
13.	Ms M Suganya	ECE	M.Suganya	M.Suganya	M.Suganya	M.Suganya	M.Suganya
14.	Ms T.Suganthi	ECE	T.Suganthi	T.Suganthi	T.Suganthi	T.Suganthi	T.Suganthi

**Dr. S.THILAGAVATHI M.E.,Ph.D.,**

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15.	Mr C.Palaniyappan	ECE					
16.	Ms R.yogeshwari	ECE					
17.	Mrs V.Nithyapoorani	ECE					
18.	Ms.P.Keerthana	ECE					
19.	Mrs S .Susiladevi	EEE					
20.	Ms K .A.Muthulakshmi	EEE					
21.	Mr J.Sathyaraj	EEE					
22.	Ms R.Akiladeswari	EEE					
23.	Ms M.Abirami	EEE					
24.	Ms R.Ragadharshini	EEE					
25.	Mrs B.Priya	EEE					
26.	Mr R.Vijay	CSE					
27.	Ms P.Subha	CSE					
28.	Ms G.Bhuvaneswari	CSE					
29.	Mrs G.Sugapriya	CSE					
30.	Ms S.Jayapratha	CSE					
31.	Ms G.Sasikala	CSE					
32.	Ms.B.Kavipriya	CSE					
33.	Ms V.Yogam	CSE					
34.	Ms K.Priyanka	CSE					
35.	Ms K.Priya	CSE					

  
PROGRAM COORDINATOR

  
PRINCIPAL

Dr. S.THILAGAVATHI M.E.,Ph.D.,  
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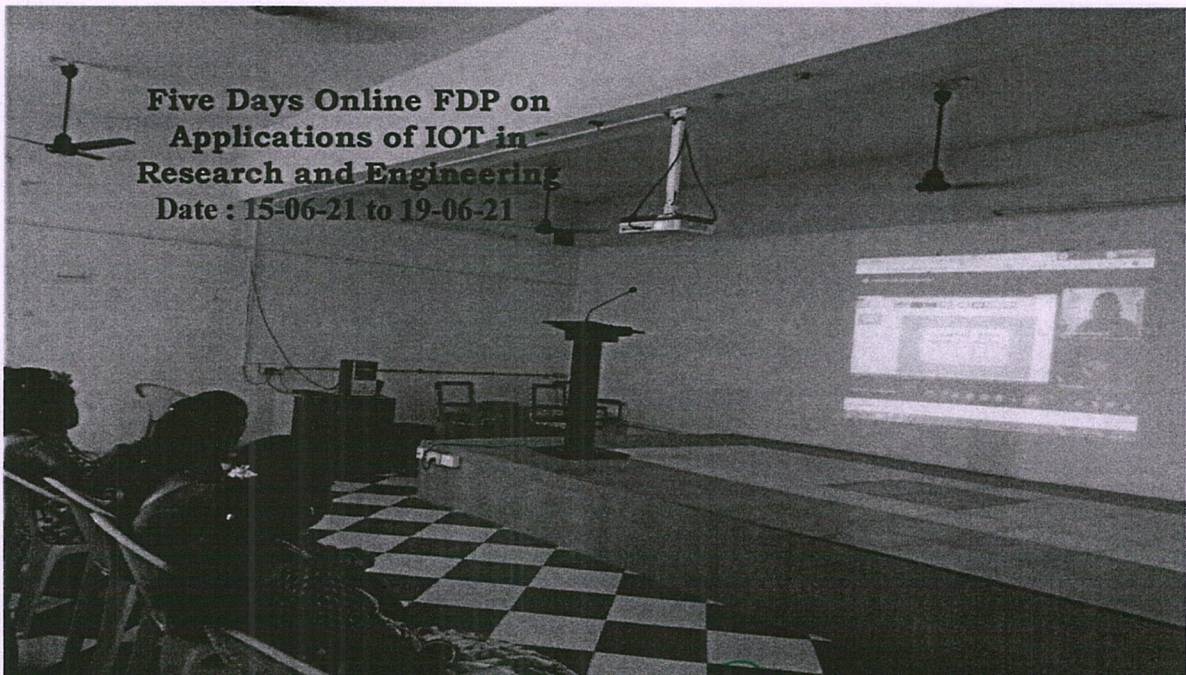
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**FIVE DAY ONLINE FDP**  
*on*  
**APPLICATIONS OF IOT IN RESEARCH AND ENGINEERING**

**EVENT DATE** : 15-06-21 to 19-06-21  
**VENUE** : Seminar Hall  
**NO. OF PARTICIPANTS** : 35  
**ORGANISED BY** : Department of Computer Science and Engineering

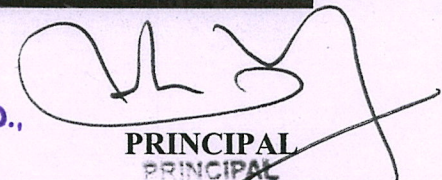
A five-day online faculty development program (FDP) on "Applications of IOT in Research and Engineering" was organized by the Department of Computer Science and Engineering (CSE). The resource persons were Mr.K.Marimuthu & Ms.V.Lavanya - Senior Technical Lead, HCL Technologies Limited, Chennai. The aim of this program was imparting knowledge about the wide-ranging applications of the Internet of Things (IOT) in various domains of research and engineering. The FDP guides the participants about insights into IOT technologies, their practical implementations, and the transformative impact they have on different industries.

IOT in cloud computing, machine learning, 5G, security challenges and their diverse applications in various sectors were explained. The program successfully achieved its objectives of imparting knowledge, promoting hands-on experience and encouraging innovative thinking in the realm of above fields. At the Final day the programme was ended with feedback session and vote of thanks.



  
**PROGRAM COORDINATOR**

  
**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
**PRINCIPAL**  
**SRI BHARATHI ENGINEERING**  
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