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

NAAC DOCUMENTS

Quality Indicator Frame Work

Criterion – 1
CURRICULAR ASPECTS

Submitted by

IQAC
Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women

Date : ....

TO WHOMSEVER IT MAY CONCERN

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website.

Feedback processes of the institution may be classified as follows:

A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

B. Feedback collected, analysed and action has been taken and communicated to the relevant bodies

C. Feedback collected and analysed

D. Feedback collected

E. Feedback not collected

Response: *Option A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website.*

PRINCIPAL

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SRI BHARATHI ENGINEERII
COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT

Criterion 1	Curricular Aspects	100

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website.

2022-2023

S.NO.	DETAILS	PAGE NO
1.	FEEDBACK ANALYSIS REPORT (Student,Teacher,Alumni,Parent,Employer)	04-13
2.	ACTION TAKEN REPORT	14-15
3.	PROOF OF ACTION TAKEN REPORT	16-23

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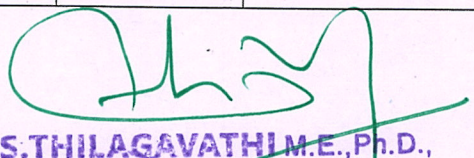
Kaikkurichi, Pudukkottai – 622 303

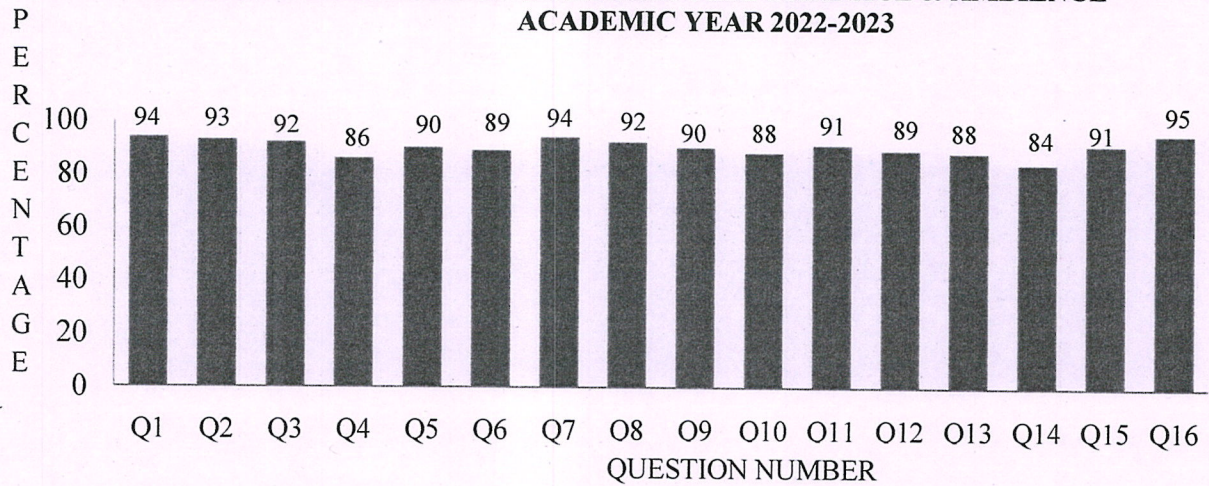## CONSOLIDATED REPORT - STUDENTS FEEDBACK ON ACADEMIC

PERFORMANCE & AMBIENCE
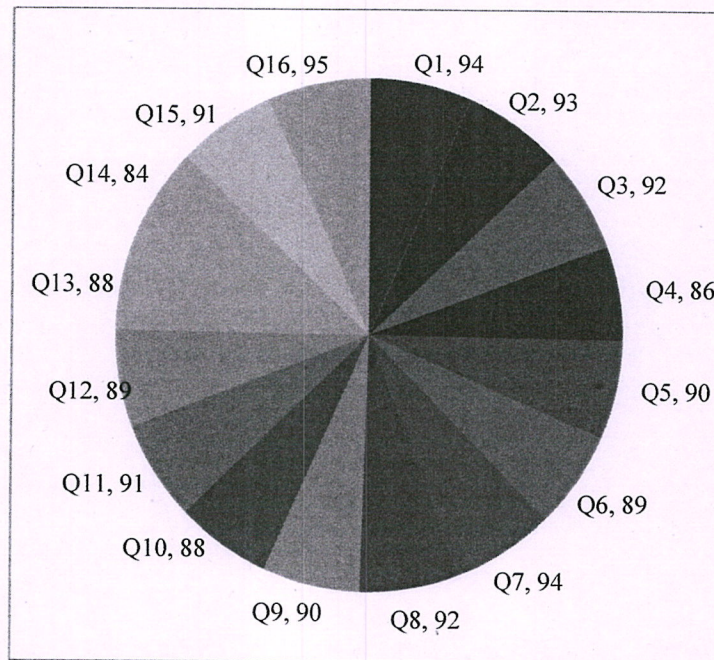
ACADEMIC YEAR 2022-2023

TOTAL ENTRY: 238

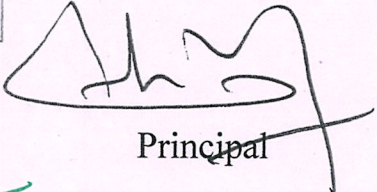| Q.NO	DESCRIPTION	AVERAGE	PERCENTAGE
ACADEMIC PERFORMANCE (CURRICULUM)			
1.	The syllabus of the courses that you have studied in relation to the course competencies expected.	3.74	94
2.	The course curriculum framed by university is relevant to the programme and year of study.	3.73	93
3.	The allocation of the hours and credit to the course.	3.68	92
4.	The electives offered in syllabus are in relation to the technological advancement.	3.45	86
5.	Size of syllabus in terms of the load on the student.	3.6	90
6.	The courses in terms of extra learning or self-learning considering the design of the courses.	3.56	89
7.	The evaluation scheme designed for each of the course.	3.74	94
8.	The Syllabus coverage as prescribed by University.	3.69	92
9.	The experiments in the lab courses are relation to the real time application.	3.6	90
10.	The co-curricular activities conducted to bridge the gap between Academic and Industrial needs.	3.5	88
AMBIENCE (INFRASTRUCTURE)			
11.	The alternative source of energy & energy conservation methods adopted by institution.	3.65	91
12.	The management of various types of degradable and non-degradable waste in the college campus.	3.56	89
13.	The technologies for water conservation facility and green campus facility available in the college campus.	3.54	88
14.	The desire friendly and barrier free environment provided by institution.	3.38	84
15.	The ICT facilities available in class room, computing facilities provided by the institution.	3.66	91
16.	The infrastructure facilities available to meet out curricular, co-curricular, extracurricular activities by the institution	3.8	95

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

STUDENTS FEEDBACK ON ACADEMIC PERFORMNACE & AMBIENCE
ACADEMIC YEAR 2022-2023

Bar chart titled "STUDENTS FEEDBACK ON ACADEMIC PERFORMNACE & AMBIENCE, ACADEMIC YEAR 2022-2023". Y-axis: PERCENTAGE (0 to 100). X-axis: QUESTION NUMBER (Q1 to Q16). Values: Q1=94, Q2=93, Q3=92, Q4=86, Q5=90, Q6=89, Q7=94, Q8=92, Q9=90, Q10=88, Q11=91, Q12=89, Q13=88, Q14=84, Q15=91, Q16=95.

STUDENTS FEEDBACK ON ACADEMIC PERFORMNACE & AMBIENCE

Pie chart showing: Q1, 94; Q2, 93; Q3, 92; Q4, 86; Q5, 90; Q6, 89; Q7, 94; Q8, 92; Q9, 90; Q10, 88; Q11, 91; Q12, 89; Q13, 88; Q14, 84; Q15, 91; Q16, 95.

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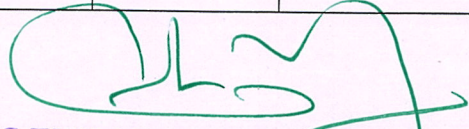
Kaikkurichi, Pudukkottai – 622 303

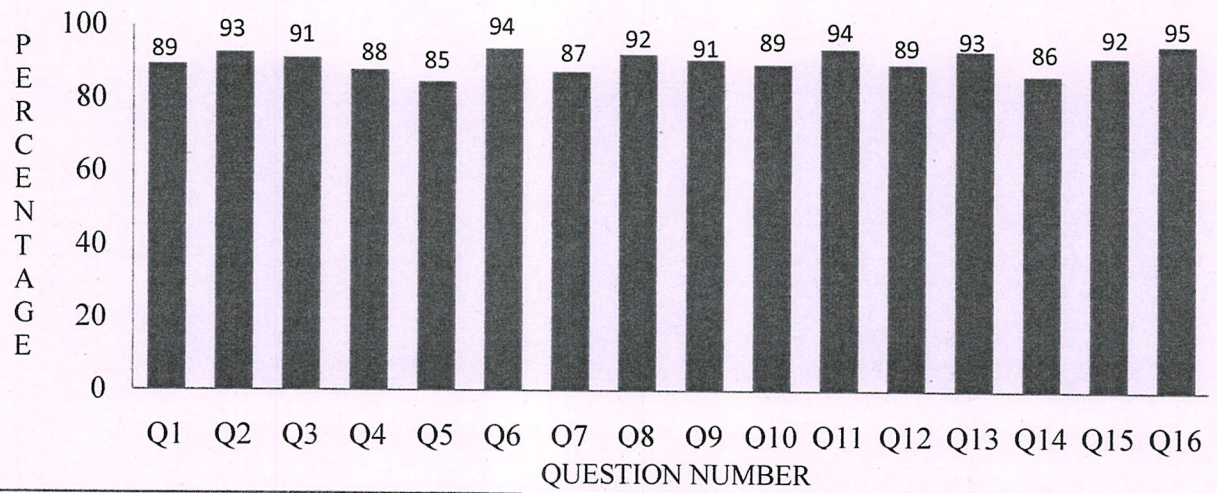## CONSOLIDATED REPORT-TEACHER FEEDBACK ON ACADEMIC

PERFORMANCE & AMBIENCE
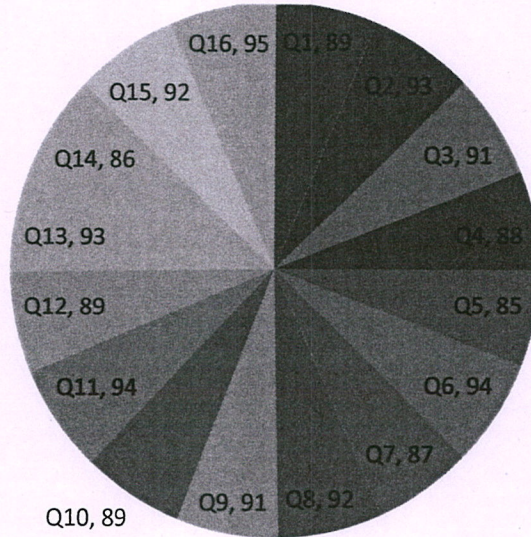
ACADEMIC YEAR 2022-2023

TOTAL ENTRY: 47

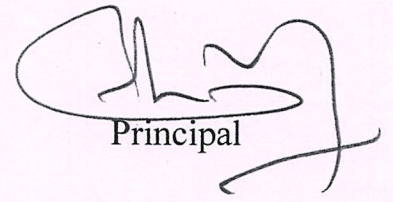| Q.NO	DESCRIPTION	AVERAGE	PERCENTAGE
ACADEMIC PERFORMANCE (CURRICULUM)			
1.	The syllabus of the courses that you have studied in relation to the course competencies expected.	3.57	89
2.	The course curriculum framed by university is relevant to the programme and year of study.	3.7	93
3.	The allocation of the hours and credit to the course.	3.64	91
4.	The electives offered in syllabus are in relation to the technological advancement.	3:51	88
5.	Size of syllabus in terms of the load on the student.	3.38	85
6.	The courses in terms of extra learning or self-learning considering the design of the courses.	3.74	94
7.	The evaluation scheme designed for each of the course.	3.49	87
8.	The Syllabus coverage as prescribed by University.	3.68	92
9.	The experiments in the lab courses are relation to the real time application.	3.62	91
10.	The co-curricular activities conducted to bridge the gap between Academic and Industrial needs.	3.57	89
AMBIENCE (INFRASTRUCTURE)			
11.	The alternative source of energy & energy conservation methods adopted by institution.	3.74	94
12.	The management of various types of degradable and non-degradable waste in the college campus.	3.57	89
13.	The technologies for water conservation facility and green campus facility available in the college campus.	3.72	93
14.	The desire friendly and barrier free environment provided by institution.	3.45	86
15.	The ICT facilities available in class room, computing facilities provided by the institution.	3.66	92
16.	The infrastructure facilities available to meet out curricular, co-curricular, extracurricular activities by the institution	3.79	95

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
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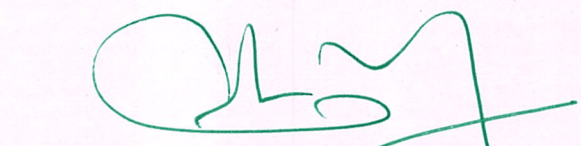Kaikkurchi - 622 303, Pudukkottai Dt.

TEACHER FEEDBACK ON ACADEMIC PERFORMNACE & AMBIENCE

Bar chart of PERCENTAGE vs QUESTION NUMBER:

- Q1: 89
- Q2: 93
- Q3: 91
- Q4: 88
- Q5: 85
- Q6: 94
- Q7: 87
- Q8: 92
- Q9: 91
- Q10: 89
- Q11: 94
- Q12: 89
- Q13: 93
- Q14: 86
- Q15: 92
- Q16: 95

TEACHER FEEDBACK ON ACADEMIC PERFORMANCE & AMBIENCE
ACADEMIC YEAR-2022-2023

Pie chart:

- Q1, 89
- Q2, 93
- Q3, 91
- Q4, 88
- Q5, 85
- Q6, 94
- Q7, 87
- Q8, 92
- Q9, 91
- Q10, 89
- Q11, 94
- Q12, 89
- Q13, 93
- Q14, 86
- Q15, 92
- Q16, 95

Principal

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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Kaikkurichi, Pudukkottai – 622 303

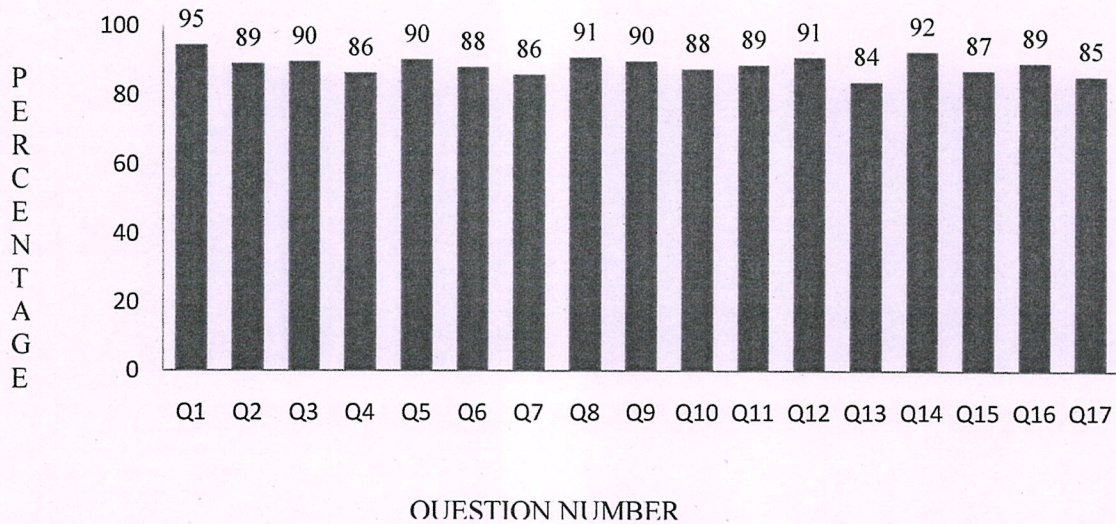## CONSOLIDATED REPORT-ALUMNI FEEDBACK ON ACADEMIC

PERFORMANCE & AMBIENCE
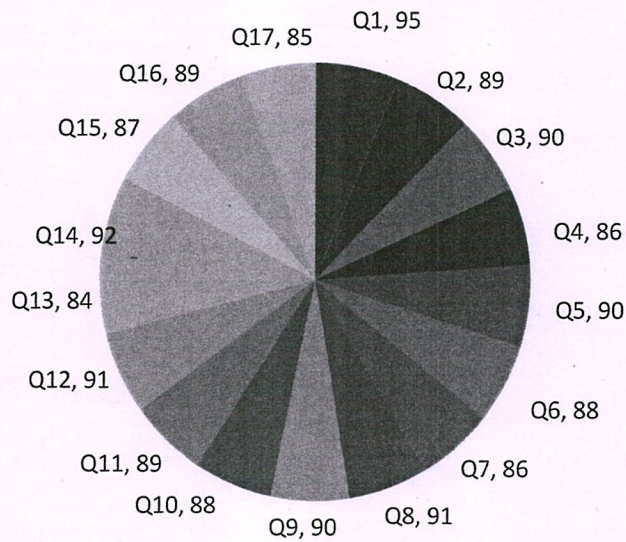
ACADEMIC YEAR 2022-2023

TOTAL ENTRY: 46

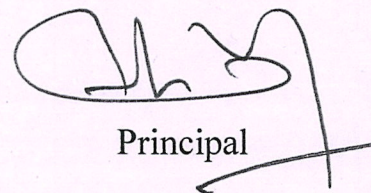| Q.NO	DESCRIPTION	AVERAGE	PERCENTAGE
	ACADEMIC PERFORMANCE (CURRICULUM)		
1.	The syllabus of the courses that you have studied in relation to the course competencies expected.	3.78	95
2.	The course curriculum framed by university is relevant to the programme and year of study.	3.57	89
3.	The allocation of the hours and credit to the course.	3.59	90
4.	The electives offered in syllabus are in relation to the technological advancement.	3.46	86
5.	Size of syllabus in terms of the load on the student.	3.61	90
6.	The courses in terms of extra learning or self-learning considering the design of the courses.	3.52	88
7.	The evaluation scheme designed for each of the course.	3.52	86
8.	The Syllabus coverage as prescribed by University.	3.63	91
9.	The experiments in the lab courses are relation to the real time application.	3.59	90
10.	The co-curricular activities conducted to bridge the gap between Academic and Industrial needs.	3.50	88
11.	Training, Placement and Campus Recruitment offered by the Institution.	3.54	89
	AMBIENCE (INFRASTRUCTURE)		
12.	The alternative source of energy & energy conservation methods adopted by institution.	3.63	91
13.	The management of various types of degradable and non-degradable waste in the college campus.	3.35	84
14.	The technologies for water conservation facility and green campus facility available in the college campus.	3.70	92
15.	The desire friendly and barrier free environment provided by institution.	3.48	87
16.	The ICT facilities available in class room, computing facilities provided by the institution.	3.57	89
17.	The infrastructure facilities available to meet out curricular,co-curricular,extracurricular activities by the institution	3.41	85

ALUMNI FEEDBACK ON ACADEMIC PERFORMNACE & AMBIENCE
ACADEMIC YEAR 2022-2023

Bar chart: PERCENTAGE vs QUESTION NUMBER

Question	Percentage
Q1	95
Q2	89
Q3	90
Q4	86
Q5	90
Q6	88
Q7	86
Q8	91
Q9	90
Q10	88
Q11	89
Q12	91
Q13	84
Q14	92
Q15	87
Q16	89
Q17	85

ALUMNI FEEDBACK ON ACADEMIC PERFORMNACE &AMBIENCE
ACADEMIC YEAR 2022-2023

Pie chart: Q1, 95; Q2, 89; Q3, 90; Q4, 86; Q5, 90; Q6, 88; Q7, 86; Q8, 91; Q9, 90; Q10, 88; Q11, 89; Q12, 91; Q13, 84; Q14, 92; Q15, 87; Q16, 89; Q17, 85

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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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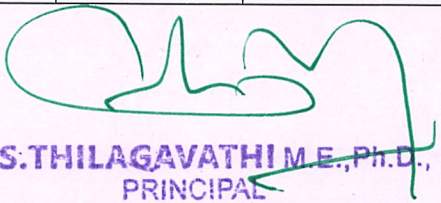
Kaikkurichi, Pudukkottai – 622 303

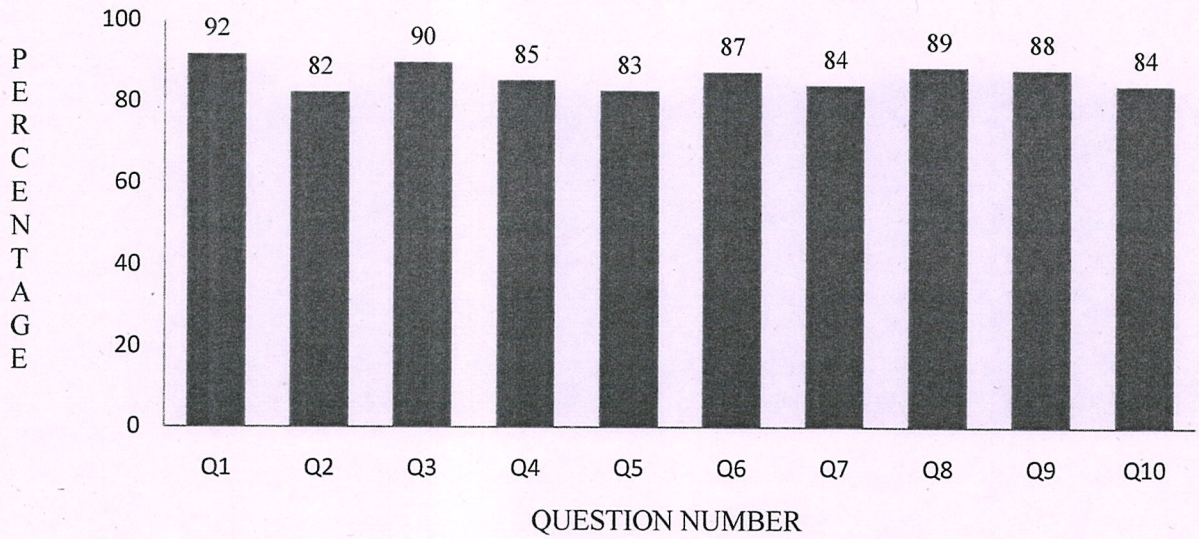## CONSOLIDATED REPORT-PARENT FEEDBACK ON ACADEMIC

PERFORMANCE & AMBIENCE
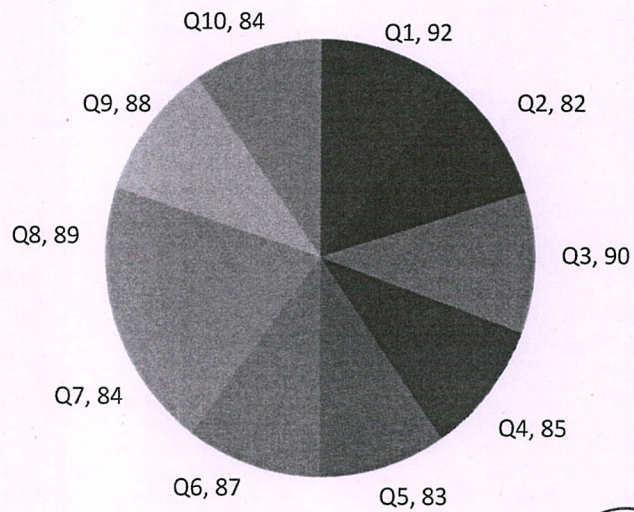
ACADEMIC YEAR 2022-2023

TOTAL ENTRY: 85

Q.NO	DESCRIPTION	AVERAGE	PERCENTAGE
ACADEMIC PERFORMANCE (CURRICULUM)			
1.	The electives offered in syllabus are in relation to the technological advancement.	3.67	92
2.	Size of syllabus in terms of the load on the student.	3.29	82
3.	The courses in terms of extra learning or self-learning considering the design of the courses.	3.59	90
4.	The evaluation scheme designed for each of the course.	3.41	85
AMBIENCE (INFRASTRUCTURE)			
5.	The alternative source of energy & energy conservation methods adopted by institution.	3.39	83
6.	The management of various types of degradable and non-degradable waste in the college campus.	3.49	87
7.	The technologies for water conservation facility and green campus facility available in the college campus.	3.36	84
8.	The desire friendly and barrier free environment provided by institution.	3.54	89
9.	The ICT facilities available in class room, computing facilities provided by the institution.	3.52	88
10.	The infrastructure facilities available to meet out curricular,co-curricular,extracurricular activities by the institution	3.36	84

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
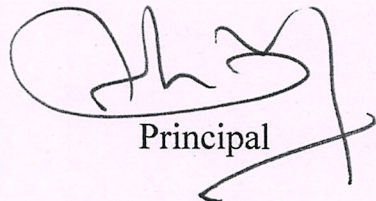COLLEGE FOR WOMEN
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PARENT FEEDBACK ON ACADEMIC PERFORMANCE & AMBIENCE
ACADEMIC YEAR 2022-2023

PARENT FEEDBACK ON ACADEMIC PERFORMANCE & AMBIENCE ACADEMIC YEAR 2022-2023 bar chart showing PERCENTAGE on Y-axis (0 to 100) versus QUESTION NUMBER on X-axis: Q1 = 92, Q2 = 82, Q3 = 90, Q4 = 85, Q5 = 83, Q6 = 87, Q7 = 84, Q8 = 89, Q9 = 88, Q10 = 84

PARENT FEEDBACK ON ACADEMIC PERFORMANCE & AMBIENCE
ACADEMIC YEAR 2022-2023

Pie chart: Q1, 92; Q2, 82; Q3, 90; Q4, 85; Q5, 83; Q6, 87; Q7, 84; Q8, 89; Q9, 88; Q10, 84

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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, Affiliated to Anna University, Chennai, India)

Kaikkurichi, Pudukkottai – 622 303

CONSOLIDATED REPORT-EMPLOYER FEEDBACK ON ACADEMIC

PERFORMANCE & AMBIENCE

ACADEMIC YEAR 2022-2023

TOTAL ENTRY: 49

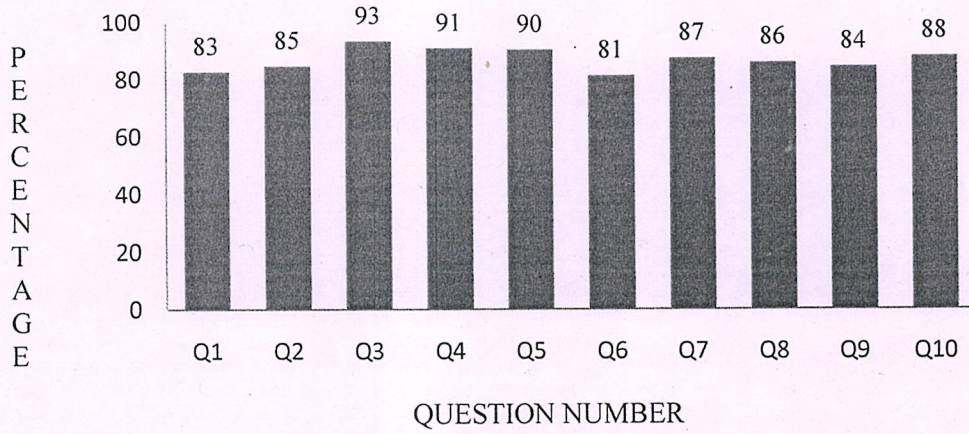| Q.NO	DESCRIPTION	AVERAGE	PERCENTAGE
	ACADEMIC PERFORMANCE (CURRICULUM)		
1.	The syllabus of the courses that you have studied in relation to the course competencies expected.	3.3.	83
2.	The course curriculum framed by university is relevant to the programme and year of study.	3.39	85
3.	The allocation of the hours and credit to the course.	3.73	93
4.	Training, Placement and Campus Recruitment offered by the Institution.	3.63	91
	AMBIENCE (INFRASTRUCTURE)		
5.	The alternative source of energy & energy conservation methods adopted by institution.	3.61	90
6.	The management of various types of degradable and non-degradable waste in the college campus.	3.24	81
7.	The technologies for water conservation facility and green campus facility available in the college campus.	3.49	87
8.	The desire friendly and barrier free environment provided by institution.	3.43	86
9.	The ICT facilities available in class room, computing facilities provided by the institution.	3.37	84
10.	The infrastructure facilities available to meet out curricular,co-curricular,extracurricular activities by the institution	3.51	88

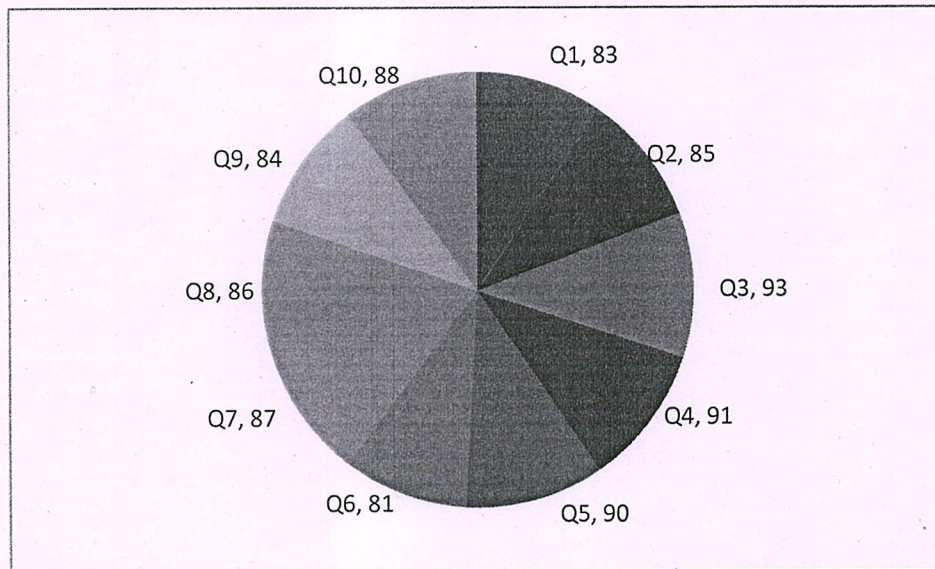Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

EMPLOYER FEEDBACK ON ACADEMIC PERFORMANCE & AMBIENCE
ACADEMIC YEAR 2022-2023

Bar chart. X-axis: QUESTION NUMBER (Q1–Q10). Y-axis: PERCENTAGE (0–100). Values: Q1=83, Q2=85, Q3=93, Q4=91, Q5=90, Q6=81, Q7=87, Q8=86, Q9=84, Q10=88.

EMPLOYER FEEDBACK ON ACADEMIC PERFORMANCE & AMBIENCE
ACADEMIC YEAR 2022-2023

Pie chart with values: Q1, 83; Q2, 85; Q3, 93; Q4, 91; Q5, 90; Q6, 81; Q7, 87; Q8, 86; Q9, 84; Q10, 88.

Principal

Date: 08/06/202.

STAKEHOLDER FEEDBACK ON ACADEMIC PERFORMANCE & AMBIENCE
ACTION TAKEN REPORT-2022-2023

In order to improve the quality initiative, our Institution IQAC collected the feedback about R-2021 curriculum and the syllabus followed in our Institution from the various stake holders(Students, Faculty members, Alumni, Employer, Parents) offered by Anna University Chennai.

As a result, the collected feedback about the curriculum and syllabus were analyzed and based on the suggestion/representation received from the stakeholder in every department for bridging the curricular gap the following topics were suggested to include in Existing Anna University R-2021 Curriculum and Syllabus with recent trends for the benefit of the students community.

S.No	Name of the Degree	Regulation	Course Code	Topic to be included	Unit No
1.	B.E-Civil Engineering	CE3028	Smart Cities	Disaster Mitigation and Preparedness	3
2.	B.E-Computer Science and Engineering	CS3691	Embedded Systems And IOT	Internet of Things using Python	3
3.	B.E-Electronics and Communication	CEC369	IOT Processors	Recent Application in IOT	3
4.	B.E-Electrical and Electronics Engineering	AU3002	Batteries And Management System	Node MCU	5

In this regard we kindly request you to discuss the above recommendations in the forthcoming Board of Studies (BoS) meeting and do the needful for the betterment of students Community

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

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KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT

In this regard we sent a letter to Anna University and Requested to discuss the above recommendations in the forthcoming Board of Studies (BoS) meeting for the betterment of students community

In addition to that, the following Value added courses were offered by all Departments of SBECW in the academic year 2022-2023 to enhance the curricular content with recent trend for the benefit of the student community with the approval from various Department.

List of Value added courses conducted to bridge the curricular gap

S.No	VAC Course Name	Department
1.	Construction safety and practices	CIVIL
2.	Disaster Mitigation and Preparedness	
3.	Internet of Things with Python	CSE
4.	Building Scalable web application using Node S	
5.	Recent application in IOT using Arduino and Rosberry pi	ECE
6.	Real time sensor data processing with python and IOT applications	
7.	Internet of Things with Python	EEE
8.	Real time applications Arduino and UNO Boards	

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PRINCIPAL
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COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Report on Value Added Course

Title:	Construction Safety and Practices
Resource Person:	Er.S.Rawuther Appa B.E., M.Sc(Rev)., Senior Engineer, Kamaal Constructions, Aranthangi.

Date of conduct from :	03.08.2022	To:	09.08.2022	Duration:	36 Hours

Organized Department :	CIVIL ENGINEERING

Participant Year:	2, 3, 4	Semester:	ODD	No. of Students Registered :	25

Venue:	First Floor - Lecture Hall : 30

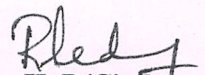### Outcome of Value Added Course (VAC): At the end of the Course, Students can able to

- Know real-world examples of on-the-job safety and health issues
- protect themselves and others from accidental deaths and injuries.
- understand hazards in the workplace can be controlled.
- learn and practice the skills they will need in the workplace.
- receive required training on equipment they will use, and work processes they will perform
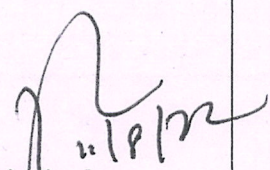- Develop a foundational understanding of safety systems.

No. of students successfully completed the VAC course is **25 students** based on the following assessment process.

Assessment Process

- Students securing **more than 60% on total score** and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)
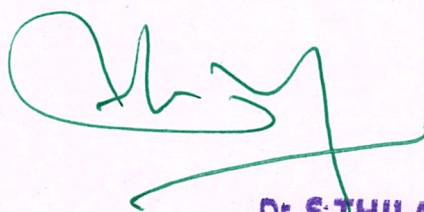
VAC Coordinator

HoD/Civil
HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

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

KAMAAL CONSTRUCTION

24/4, Athippa Complex, Bharathidasan Street, Aranthangi-614616

Er. S. Rawuther Appa B. E., M. Sc. (REV)

Licensed Building Surveyor

CERTIFICATE OF PARTICIPATION

This is to certify that Ms.Ajitha T of IV Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women, Pudukkottai has successfully completed the Value Added course on "Construction Safety and Practices" conducted from 03.08.2022 to 09.08.2022 (6days) during the Academic year 2022-2023.

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
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COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

Signature

Er. S. Rawuther Appa B. E., M. Sc. (REV)
Licensed Building Surveyor

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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Report on Value Added Course

Title:	Internet of Things With Python
Resource Person:	Dr.K.Gurunathan M.E Ph.D Trainer Meck Teck Research Foundation

Date of conduct from :	03.08.2022	To:	10.08.2022	Duration:	30 Hours

Organized Department :	Computer Science and Engineering

Participant Year:	3,4(CSE)	Semester:	ODD	No. of Students Registered :	42

Venue:	Auditorium

Outcome of Value Added Course (VAC)

At the end of the VAC course the student can able to

- Explain fundamentals about IoT
- Illustration of IoT Access technologies
- Design methodology and different IoT hardware platforms.
- Identify with the application areas of IOT
- Realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks
- Describe the building blocks of Internet of Things and characteristics.

Assessment Process

- Students securing **more than 60% on total score** and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

VAC Coordinator   HoD / CSE   Principal

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ENGINEERING COLLEGE FOR WOMEN
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Kaikkurichi , Pudukkottai, Tamil Nadu – 622 303, India

MECK TECK
RESEARCH FOUNDATION
(Registered Under Ministry of Micro, Small and Medium Enterprises UDYAM-TN-17-0015761)

CERTIFICATE OF COMPLETION

This is to certify that **Ms.K.Kalpana** of III CSE has completed 5 days value added course about **"Internet of things with PYTHON"** from 03.08.2022 **to** 10.08.2022 during the academic year 2022-2023.
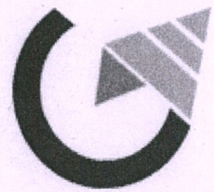
CEO
Meck Teck

PRINCIPAL
SBECW

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Report on Value Added Course

Title:	Real-time Sensor Data Processing with Python for IoT Applications in ECE

Resource Person:	Er.K.GOPALAKRISHNAN, Embedded cum IoT Developer, Galwin Technology, Trichy- 620 002.

Date of conduct from :	22.8.2022	To:	26.08.2022	Duration:	30 Hours

Organized Department :	Electronics and Communication Engineering

Participant Year:	2	Semester:	ODD	No. of Students Registered :	12

Venue:	Seminar Hall, ,Ground Floor, SBECW

Outcome of Value Added Course (VAC) :At the end of Course ,Students can able to

- Understand the fundamentals of IoT (Internet of Things) and its applications in the field of Electronics and Communication Engineering
- Learn Python programming language and its specific libraries and frameworks for real-time sensor data processing.
- Gain proficiency in collecting, processing, and analyzing sensor data in real-time using Python.
- Develop the ability to interface sensors with microcontrollers or embedded systems and establish communication with the IoT network.
- Learn about different communication protocols used in IoT systems and their implementation using Python .Explore techniques for handling and managing large volumes of sensor data in real-time.

No. of students successfully completed the VAC course is **12 Students** based on the following Assessment process.

Assessment Process

- Students **more than 60% on total score** and secured more than **75%** in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

VAC Coordinator

Dr. S.THILAGAVATHI M.E.,Ph.D.,
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HoD/ ECE

HOD / ECE
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PUDUKKOTTAI - 622 303.

Principal

PRINCIPAL
SRI BHARATHI ENGINEERII
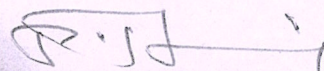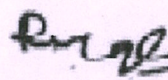COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT

GALWIN™ TECHNOLOGY
Beyond Innovation

CERTIFICATE OF COMPLETION

VALUE ADDED COURSE

This is to Certify that Mr/Ms. **SUGUNA.C** of **II ECE** has successfully completed Value Added Course on "Real-time Sensor Data Processing with Python for IoT Applications" organized by the Department of Electronics and Communication Engineering in association with Galwin Technology from 22.08.2022 to 26.08.2022 during the academic year 2022-2023.

Managing Director
Galwin Technology

HoD/ECE
SBECW

Principal

Dr. **S.THILAGAVATHI** M.E.,Ph.D.,SBECW
PRINCIPAL
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Report on Value Added Course

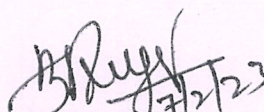| Title:	**REAL TIME APPLICATIONS OF ARDUINO UNO BOARDS**			
Resource Person:	**T.Parthiban,** **Assistant professor,** **EEE department, SBECW.**			
Date of conduct from :	**30.01.2023**	To: **03.02.2023**	Duration:	**30 Hours**
Organized Department :	**ELECTRICAL AND ELECTRONICS ENGINEERING**			
Participant Year: **2/ 3 /4**	Semester:	**EVEN**	No. of Students Registered :	**18**
Venue:	Tutorial Hall:42 ,SBECW			

Outcome of Value Added Course (VAC)

At the end of the Course, Students can able to

- Explain about the Hardware Overview - Download and Install the Arduino IDE Arduino IDE and its Syntax.
- Describe about using Variables Blink an LED - digitalRead () and Serial Port Communication - analogRead () and Serial Port Communications Reading Analog Pins.
- Obtain insight about converting the Input to a Voltage - Fade an LED with Pulse Width Modulation using analog Write ().
- Comprehend about If-Else Statement - Comparison Operators and Condition - For Loop Iteration - How to Use Arrays Switch Case Statement.
- Demonstrate about blink an LED without using the delay () Function.
- Illustrate about analog I/O and Serial Communications - Analog Input – Calibration - Smoothing Data.
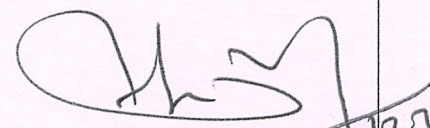
No. of students successfully completed the VAC course is 18 students based on the following assessment process.

Assessment Process

Students, who are securing **more than 60% on total score** and secured more than **75%** in attendance is eligible to receive the certificate for the VAC course conducted. Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

Course Coordinator

HoD/ EEE

HOD EEE
SRI BHARATHI ENGINEERING
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KAIKKURICHI,
PUDUKKOTTAI - 622 303.

Principal

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KAIKKURICHI, PUDUKKOTTAI-622303

DEPARTMENT OF EEE

CERTIFICATE OF PARTICIPATION

This is to certify that Ms. GOKULAPRAVEENA A (912621105001),II year has successfully completed the Certificate Course on "REAL TIME APPLICATIONS OF ARDUINO UNO BOARDS" held at the college from 30th January 2023 to 3rd February 2023 (5 Days).

COURSE COORDINATOR

HOD/EEE

PRINCIPAL

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