



# 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 – 2

Teaching-Learning and Evaluation

Submitted by

**IQAC**

**Internal Quality Assurance Cell**

**Sri Bharathi Engineering College for Women**



**Criteria 2**

**Teaching-Learning and Evaluation**

**350**

**Key Indicator- 2.3. Teaching- Learning Process (40)**

**2019-2020**

**SCIENCE AND HUMANITIES**

**EXPERIENTIAL LEARNING**

Activity	Number of Students Attended	Page No.
Laboratory	52	3
<b>TOTAL STUDENTS ATTENDED</b>	<b>52</b>	<b>-</b>



**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

**Criteria 2**

**Teaching-Learning and Evaluation**

**350**

**Key Indicator- 2.3. Teaching- Learning Process (40)**

**2019-2020**

**SCIENCE AND HUMANITIES**

**EXPERIENTIAL LEARNING**

**LABORATORY**



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

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

ACADEMIC YEAR 2019 – 2020 (EVEN SEMESTER)

DEPARTMENT OF SCIENCE AND HUMANITIES

(EXPERIENTIAL LEARNING)

## SYLLABUS

GE8261

ENGINEERING PRACTICES LABORATORY

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### OBJECTIVES:

To provide exposure to the students with hands on experience on various basic engineering practices in Civil, Mechanical, Electrical and Electronics Engineering.

### CIVIL ENGINEERING PRACTICE

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#### BUILDINGS:

(a) Study of plumbing and carpentry components of residential and industrial buildings. Safety aspects.

#### PLUMBING WORKS:

(a) Study of pipeline joints, its location and functions: valves, taps, couplings, unions, reducers, elbows in household fittings.

(b) Study of pipe connections requirements for pumps and turbines.

(c) Preparation of plumbing line sketches for water supply and sewage works.

(d) Hands-on-exercise: Basic pipe connections – Mixed pipe material connection – Pipe connections with different joining components.

(e) Demonstration of plumbing requirements of high-rise buildings.

#### CARPENTRY USING POWER TOOLS ONLY:

(a) Study of the joints in roofs, doors, windows and furniture.

(b) Hands-on-exercise:

Wood work, joints by sawing, planing and cutting.

### ELECTRICAL ENGINEERING PRACTICE

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1. Residential house wiring using switches, fuse, indicator, lamp and energy meter.

2. Fluorescent lamp wiring.

3. Stair case wiring

4. Measurement of electrical quantities – voltage, current, power & power factor in RLC circuit.

  
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5. Measurement of energy using single phase energy meter.
6. Measurement of resistance to earth of an electrical equipment.

**ELECTRONICS ENGINEERING PRACTICE**

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1. Study of Electronic components and equipments – Resistor, colour coding measurement of AC signal parameter (peak-peak, rms period, frequency) using CR. 36
2. Study of logic gates AND, OR, EX-OR and NOT. 3. Generation of Clock Signal.
4. Soldering practice – Components Devices and Circuits – Using general purpose PCB.
5. Measurement of ripple factor of HWR and FWR.

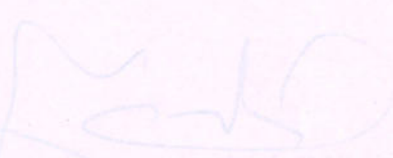
**TOTAL:60 hours**

**OUTCOMES: On successful completion of this course, the student will be able to**

- Fabricate carpentry components and pipe connections including plumbing works.
- Use welding equipments to join the structures.
- Carry out the basic machining operations
- Make the models using sheet metal works
- Illustrate on centrifugal pump, Air conditioner, operations of smithy, foundry and fittings
- Carry out basic home electrical works and appliances
- Measure the electrical quantities
- Elaborate on the components, gates, soldering practices

  
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ACADEMIC YEAR 2019 – 2020(EVEN SEMESTER)

## DEPARTMENT OF SCIENCE AND HUMANITIES

LABORATORY COURSE					
S.NO	BATCH	REG NO	NAME	LABORATORY COURSE	YEAR
1	I	912619104001	ANNAPOORANI M	GE8261- Engineering practices laboratory	I
		912619104002	ANUSUYA S		
		912619104003	ARUNNAVAMEENA A		
		912619104004	DAYANA P		
		912619104005	DHARSHINI D		
		912619104006	FAHIMA F		
		912619104007	FAHMIDHA B		
		912619104009	GULNAS FATHIMA S		
		912619104010	HELAN J		
		912619104011	KEERTHANA R		
		912619104012	MUTHULAKSHMI G		
		912619104013	MUTHU MEENAKSHI M		
		912619104014	NIROSHIKA R		
		912619104016	NITHYA M		
		912619104017	PARAMESHWARI S		
		912619104019	RANJANI K		
		912619104020	RILWANA PARVEEN J		
		912619104021	ROOPINA R		
		912619104022	SANDHIYA B		
		912619104023	SANTHI D		
		912619104024	SARANYA C		
		912619104027	SNEHA R		
		912619104029	SURIYA JOTHI S		
2	II	912619103001	AJITHA T	GE8261- Engineering practices laboratory	I
		912619103002	ARULJENIFAR C		
		912619103003	DIVYA V		
		912619103004	MANGAIYARKARASI G		
		912619103005	MUTHULAKSHMI S		
		912619103006	PRAVEENA S		
		912619103007	PRIYADHARSHINI K		
		912619103009	RAGAVI V		
		912619103010	RAJATHI T		
		912619106001	AASHIMA M		
		912619106002	ANANTHI P		
		912619106004	JAFFARNISHA R		
		912619106005	MAHESWARI K		
		912619106006	MANISHA S		
912619106007	MEGAVADHANA A				
912619106008	PRIYANGA R				

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2	II	912619106009	RAGAVI V	GE8261- Engineering practices laboratory	I
		912619106010	RAJAPRABA M		
		912619106011	SASIKA K		
		912619105001	AASHIKA R		
		912619105002	ABINAYA S		
		912619105003	ABITHA P.		
		912619105004	ARTHY N		
		912619105005	DEEPIKA R		
		912619105006	KOGULA PRIYA R		
		912619105007	NISHA S		
		912619105008	PAVITHRA M		
		912619105009	PRAGADEESHWARI A		
		912619105010	SIVARANJANI S		

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**PUDUKKOTTAI - 622 303.**

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## Internal Marks Report

College Code / Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 104 - B.E. Computer Science and Engineering

Semester : 02

University : AUC

Regulation : 2017

S.No	Register Number	Name	BE8255	CS8251	CS8261	GE8261	GE8291	HS8251	MA8251	PH8252
1	912619104001	ANNAPOORANI M	5	5	19	19	5	5	5	5
2	912619104002	ANUSUYA S	5	4	18	18	4	4	3	4
3	912619104003	ARUNNAVAMEENA A	5	4	18	18	4	5	5	4
4	912619104004	DAYANA P	5	4	18	19	5	4	4	5
5	912619104005	DHARSHINI D	5	5	19	19	5	4	4	5
6	912619104006	FAHIMA F	5	4	18	19	4	5	3	4
7	912619104007	FAHMIDHA B	6	6	20	20	6	5	6	6
8	912619104009	GULNAS FATHIMA S	6	5	20	20	6	5	6	6
9	912619104010	HELAN J	5	6	20	20	6	5	6	5
10	912619104011	KEERTHANA R	5	5	19	19	5	5	5	5
11	912619104012	MUTHULAKSHMI G	5	5	19	19	5	5	5	5
12	912619104013	MUTHU MEENAKSHI M	5	5	18	18	5	4	3	4
13	912619104014	NIROSHIKA R	5	4	18	19	4	4	4	5
14	912619104016	NITHYA M	4	4	18	18	4	4	4	4
15	912619104017	PARAMESHWARI S	5	4	18	19	5	4	4	5
16	912619104019	RANJANI K	5	5	19	19	5	4	5	5
17	912619104020	RILWANA PARVEEN J	6	6	20	20	6	5	6	6
18	912619104021	ROOPINA R	5	4	19	19	5	5	4	4
19	912619104022	SANDHIYA B	5	5	19	20	6	4	5	6
20	912619104023	SANTHI D	5	5	18	19	5	4	4	4
21	912619104024	SARANYA C	5	4	19	19	4	4	4	5
22	912619104027	SNEHA R	5	5	19	19	5	4	6	5
23	912619104029	SURIYA JOTHI S	5	4	19	19	5	5	4	5

  
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## Internal Marks Report

College Code / Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 103 - B.E. Civil Engineering

Semester : 02

University : AUC

Regulation : 2017

S.No	Register Number	Name	BE8251	CE8211	GE8261	GE8291	GE8292	HS8251	MA8251	PH8201
1	912619103001	AJITHA T	4	18	18	5	5	4	5	4
2	912619103002	ARULJENIFAR C	4	20	20	5	6	5	6	5
3	912619103003	DIVYA V	4	18	18	5	4	4	4	5
4	912619103004	MANGAIYARKARASI G	5	18	18	5	5	4	5	5
5	912619103005	MUTHULAKSHMI S	4	20	20	5	5	5	6	6
6	912619103006	PRAVEENA S	4	19	18	4	5	5	3	4
7	912619103007	PRIYADHARSHINI K	5	20	20	6	5	6	6	5
8	912619103009	RAGAVI V	6	20	20	6	6	6	6	6
9	912619103010	RAJATHI T	4	19	18	5	5	5	4	5

  
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## Internal Marks Report

College Code / Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 106 - B.E. Electronics and Communication Engineering

Semester : 02

University : AUC

Regulation : 2017

S.No	Register Number	Name	BE8254	EC8251	EC8252	EC8261	GE8261	HS8251	MA8251	PH8253
1	912619106001	AASHIMA M	4	4	5	19	18	5	4	5
2	912619106002	ANANTHI P	5	6	5	20	20	5	5	6
3	912619106004	JAFFARNISHA R	5	5	5	18	19	4	5	5
4	912619106005	MAHESWARI K	5	5	6	19	19	5	5	5
5	912619106006	MANISHA S	5	5	5	18	18	5	5	6
6	912619106007	MEGAVADHANA A	3	4	5	17	18	5	3	4
7	912619106008	PRIYANGA R	4	5	5	18	18	4	4	4
8	912619106009	RAGAVI V	4	5	5	18	19	4	5	5
9	912619106010	RAJAPRABA M	4	4	5	18	19	5	4	5
10	912619106011	SASIKA K	5	6	6	20	20	6	5	5

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## Internal Marks Report

College Code / Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 105 - B.E. Electrical and Electronics Engineering

Semester : 02

University : AUC

Regulation : 2017

S.No	Register Number	Name	BE8252	EE8251	EE8261	GE8261	GE8291	HS8251	MA8251	PH8253
1	912619105001	AASHIKA R	6	6	20	20	5	5	6	5
2	912619105002	ABINAYA S	5	6	20	20	5	4	5	5
3	912619105003	ABITHA P	5	6	20	19	4	4	4	4
4	912619105004	ARTHY N	5	6	19	18	5	4	4	4
5	912619105005	DEEPIKA R	6	6	19	19	5	4	4	5
6	912619105006	KOGULA PRIYA R	4	5	18	18	4	4	3	4
7	912619105007	NISHA S	5	5	19	19	4	4	4	4
8	912619105008	PAVITHRA M	6	6	19	18	5	4	3	4
9	912619105009	PRAGADEESHWARI A	6	6	19	18	5	5	4	4
10	912619105010	SIVARANJANI S	5	6	19	19	5	4	4	4

  
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