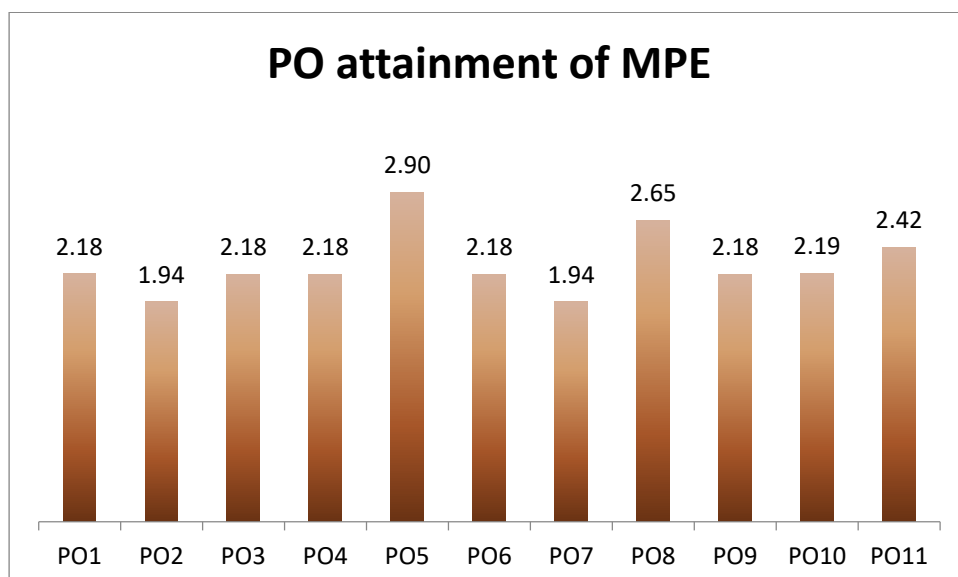


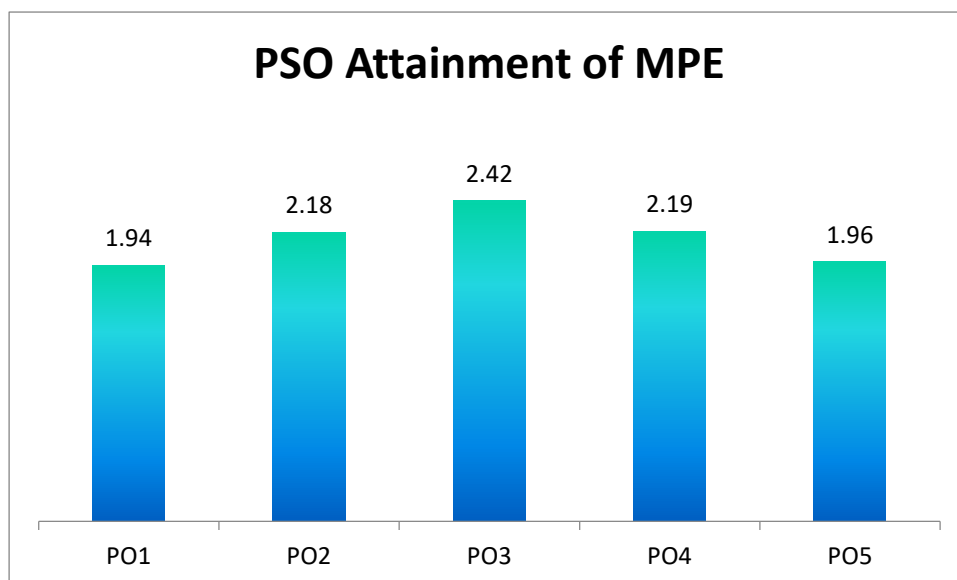
SRI PADMAVATHI WOMENS DEGREE COLLEGE, TIRUPATHI											
BSc (MPE)											
Overall CO-PO-PSO attainment for BSc (MPE)											
Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
I SEMESTER											
English	2.21	1.96	2.21	2.21	2.95	2.21	1.96	2.7	2.21	2.21	2.45
Hindi	2.19	1.95	2.19	2.19	2.92	2.19	1.95	2.68	2.19	2.19	2.43
Sanskrit	2.19	1.95	2.19	2.19	2.92	2.19	1.95	2.68	2.19	2.19	2.43
Telugu	2.19	1.95	2.19	2.19	2.92	2.19	1.95	2.68	2.19	2.19	2.43
Human Values & Ethics	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Environmental Studies	2.21	1.96	2.21	2.21	2.95	2.21	1.96	2.7	2.21	2.21	2.45
Mathematics-I	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Physics -I	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.46
Physics –Pr I	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Electronics-I	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Electronics-Pr I	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.47
II SEMESTER											
English	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.47
Hindi	2.19	1.95	2.19	2.19	2.92	2.19	1.95	2.68	2.19	2.19	2.43
Sanskrit	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45
Telugu	2.18	1.93	2.18	2.18	2.9	2.18	1.93	2.66	2.18	2.18	2.42
Elementary Statistics	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.47
Food Adulteration	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.47
Solar Energy	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.47
Mathematics	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.46
Physics -PII	2.22	1.98	2.22	2.22	2.97	2.22	1.98	2.72	2.22	2.22	2.47
Physics –Pr II	2.22	1.98	2.22	2.22	2.97	2.22	1.98	2.72	2.22	2.22	2.47
Electronics-PII	2.22	1.98	2.22	2.22	2.97	2.22	1.98	2.72	2.22	2.22	2.47
Electronics-Pr II	2.22	1.98	2.22	2.22	2.97	2.22	1.98	2.72	2.22	2.22	2.47
III SEMESTER											
English	2.2	1.95	2.2	2.2	2.93	2.2	1.95	2.69	2.2	2.2	2.44
Hindi	2.19	1.95	2.19	2.19	2.92	2.19	1.95	2.68	2.19	2.19	2.43
Sanskrit	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45
Telugu	2.2	1.95	2.2	2.2	2.93	2.2	1.95	2.69	2.2	2.2	2.44
Environmental Education	2.2	1.95	2.2	2.2	2.93	2.2	1.95	2.69	2.2	2.2	2.44
Health& Hygiene	2.2	1.95	2.2	2.2	2.93	2.2	1.95	2.69	2.2	2.2	2.44
Environmental Audit	2.18	1.94	2.18	2.18	2.91	2.18	1.94	2.67	2.18	2.18	2.43
Mathematics-III	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45
Physics-PIII	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45

Physics-Pr III	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45
Electronics- PIII	2.19	1.95	2.19	2.19	2.92	2.19	1.95	2.68	2.19	2.19	2.43
Electronics-PrIII	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45
IV SEMESTER											
Mathematics- PIV	2.21	1.96	2.21	2.21	2.95	2.21	1.96	2.7	2.21	2.21	2.45
Mathematics- PV	2.2	1.95	2.2	2.2	2.93	2.2	1.95	2.69	2.2	2.2	2.44
Physics- PIV	2.21	1.96	2.21	2.21	2.95	2.21	1.96	2.7	2.21	2.21	2.45
Physics-Pr IV	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Physics- PV	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45
Physics-Pr V	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Electronics-PIV	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45
Electronics-Pr IV	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Electronics-PV	2.21	1.96	2.21	2.21	2.95	2.21	1.96	2.7	2.21	2.21	2.45
Electronics-Pr V	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
VSemester											
Mathematics-P VI	2.2	1.95	2.2	2.2	2.93	2.2	1.95	2.69	2.2	2.2	2.44
Mathematics-PVII	2.19	1.94	2.19	2.19	2.92	2.19	1.94	2.67	2.19	2.19	2.43
Physics- P VI	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Physics-Pr PVI	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Physics- P VII	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Physics-Pr VII	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.46
Electronics-P VI	2.22	1.97	2.22	2.22	2.96	2.22	1.97	2.71	2.22	2.22	2.46
Electronics-Pr VI	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Electronics-P VII	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Electronics-Pr VII	2.21	1.97	2.21	2.21	2.95	2.21	1.97	2.7	2.21	2.21	2.46
Avg	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45

Course code	PSO1	PO2	PO3	PO4	PO5
I SEMESTER					
English	1.96	2.21	2.45	2.21	1.96
Hindi	1.95	2.19	2.43	2.19	1.95
Sanskrit	1.95	2.19	2.43	2.19	1.95
Telugu	1.95	2.19	2.43	2.19	1.95
Human Values & Ethics	1.97	2.21	2.46	2.21	1.97
Environmental Studies	1.96	2.21	2.45	2.21	1.96
Mathematics-PI	1.97	2.21	2.46	2.21	1.97
Physics -PI	1.97	2.22	2.46	2.22	1.97
Physics –Pr I	1.97	2.21	2.46	2.21	1.97
Electronics-PI	1.97	2.21	2.46	2.21	1.97
Electronics –Pr I	1.97	2.22	2.47	2.22	1.97
II SEMESTER					
English	1.97	2.22	2.47	2.22	1.97
Hindi	-	2.43	2.19	2.68	2.68
Sanskrit	1.96	2.21	2.45	2.21	1.96
Telugu	1.93	2.18	2.42	2.18	1.93
Elementary Statistics	1.97	2.22	2.47	2.22	1.97
Food Adulteration	1.97	2.22	2.47	2.22	1.97
Solar Energy	1.97	2.22	2.47	2.22	1.97
Mathematics	1.97	2.22	2.46	2.22	1.97
Physics -PII	1.98	2.22	2.47	2.22	1.98
Physics –Pr II	1.98	2.22	2.47	2.22	1.98
Electronics-PII	1.98	2.22	2.47	2.22	1.98
Electronics - Pr II	1.98	2.22	2.47	2.22	1.98
III SEMESTER					
English	1.95	2.2	2.44	2.2	1.95
Hindi	1.95	2.19	2.68	2.43	2.68
Sanskrit	1.96	2.21	2.45	2.96	1.96
Telugu	1.95	2.2	2.44	2.2	1.95
Environmental Education	1.95	2.2	2.44	2.2	1.95
Health & Hygiene	1.95	2.2	2.44	2.2	1.95
Environmental Audit	1.94	2.18	2.43	2.18	1.94
Mathematics PIII	1.96	2.21	2.45	2.21	1.96
Physics-PIII	1.96	2.21	2.45	2.21	1.96

Physics-Pr III	1.96	2.21	2.45	2.21	1.96
Electronics- PIII	1.95	2.19	2.43	2.19	1.95
Electronics – PrIII	1.96	2.21	2.45	2.21	1.96
IV SEMESTER					
Mathematics- PIV	1.96	2.21	2.45	2.21	1.96
Mathematics- PV	1.95	2.2	2.44	2.2	1.95
Physics- PIV	1.95	2.2	2.44	2.2	1.95
Physics-Pr IV	1.95	2.2	2.44	2.2	1.95
Physics- PV	1.95	2.2	2.44	2.2	1.95
Physics-Pr V	1.95	2.2	2.44	2.2	1.95
Electronics-PIV	2.94	2	2.25	2.5	2.25
Electronics-Pr IV	1.97	2.22	2.46	2.22	1.97
Electronics-PV	1.96	2.21	2.45	2.21	1.96
Electronics-Pr V	1.97	2.22	2.46	2.22	1.97
V Semester					
Mathematics-P VI	2	2.25	2.5	2.25	2
Mathematics-P VII	1.94	2.19	2.43	2.19	1.94
Physics- P VI	1.95	2.19	2.43	2.19	1.95
Physics-Pr PVI	1.97	2.21	2.46	2.21	1.97
Physics- P VII	1.97	2.21	2.46	2.21	1.97
Physics-Pr VII	1.97	2.21	2.46	2.21	1.97
Electronics- P VI	1.97	2.22	2.46	2.22	1.97
Electronics- Pr VI	1.97	2.22	2.46	2.22	1.97
Electronics- P VII	1.97	2.21	2.46	2.21	1.97
Electronics-Pr VII	1.97	2.21	2.46	2.21	1.97
Avg	1.94	2.21	2.45	2.24	1.99





Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MPE)

3. Excellent 2. Good 1. Poor

no	Criteria	Rating
1.	Opinion about UG Programme in BSc (MPE) at SPW	
2.	Ability acquired to apply knowledge of Mathematics, Physics and Electronics in real time.	

3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	
5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3	Q3, Q4	Q4, Q5	Q5	Q6, Q9	Q6	Q6	Q7	Q7	Q5, Q7	Q6, Q8

PSOs	PSO1	PSO2	PSO3
Questions	Q3	Q5, Q6, Q8	Q7, Q8

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MPE)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to meet desired specifications and needs.	

3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3, Q5	Q3	Q5	Q5	Q5, Q10	Q8, Q10	Q10	Q8	Q6	Q5, Q6, Q8	Q7

PSOs	PSO1	PSO2	PSO3
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	Indirect PO Attainment
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	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PS O3	PS O4	PS O5
Graduate Exit Survey	3	2	1	1	2	3	1	3	1	2	2	2	2	2	2	1	3
Employer survey	3	2	2	1	2	2	2	1	2	2	3	2	3	3	3	1	3
Alumni Survey	3	2	3	2	2	2	1	1	3	2	2	3	2	1	3	1	3
Indirect Attainment	3	2	2	1.33	2	2.33	1.33	1.67	2.00	2.33	2.33	2.33	2.33	2	1.33	2	3

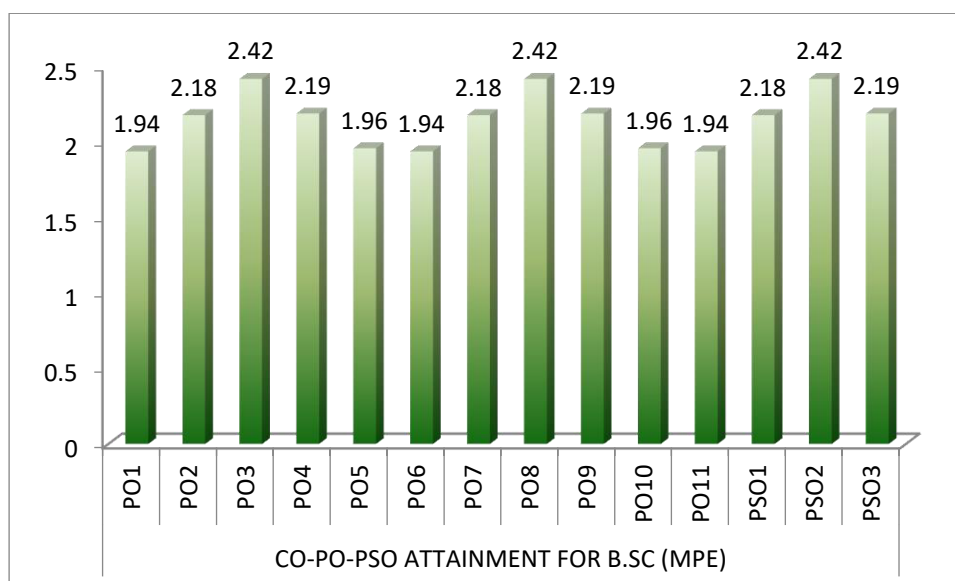
Overall Attainment of PO;

Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

PO ATTAINMENT															
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 1	PSO 2	PSO 3	PSO 4
Direct	2.20	2.12	2.19	2.14	2.44	2.21	2.03	2.23	2.21	2.09	2.12	2.23	2.05	2.20	2.06
Indirect	3	2	2	1.33	2	2.33	1.33	1.67	2.00	2.33	2.33	2.33	2.33	2	1.33
80% Direct	1.76	1.69	1.75	1.71	1.95	1.76	1.62	1.78	1.76	1.67	1.69	1.78	1.64	1.76	1.80
20% Indirect	0.6	0.4	0.4	0.34	0.4	0.34	0.26	0.33	0.4	0.34	0.34	0.34	0.34	0.4	0.26
Po attainment	2.21	1.96	2.21	2.21	2.94	2.21	1.96	2.7	2.21	2.21	2.45	1.94	2.21	2.45	2.24



SRI PADMAVATHI WOMENS DEGREE & PG COLLEGE, TIRUPATI

BSc (ZPC) 2020-2023

Overall CO-PO-PSO attainment for BSc (ZPC)

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
First semester												
ENGLISH	2.53	-	-	-	-	-	-	2.53	-	2.3	2.3	-
TELUGU	-	-	-	-	2.28	-	-	2.51	-	2.28	2.05	-
SANSKRIT	-	-	-	-	2.31	-	-	2.08	-	2.54	2.31	-
HINDI	-	-	-	-	2.70	-	-	2.21	-	2.70	2.45	-
Human Values & Professional	2.53	□	□	□	□	□	□	□□□□	□	□□□	□□□	□
Electrical Appliances	2.53	-	-	-	-	-	-	2.53	-	2.3	2.3	-
ZOOLOGY	2.3	2.3	2.3	2.3	2.76	2.53	2.3	2.3	2.3	2.53	2.07	2.3
ZOOLOGY PRACTICAL	2.31	2.31	2.08	2.31	2.54	2.08	1.85	2.08	2.31	1.85	1.85	2.31
PHYSICS	2.3	2.3	2.07	2.3	2.53	2.07	1.84	2.07	2.3	1.84	1.84	2.3
PHYSICS PRATICAL	2.28	2.28	2.05	2.28	2.51	2.05	1.82	2.05	2.28	1.82	2.28	2.28
CHEMISTRY	2.05	1.8	2.05	2.05	2.74	2.05	1.82	2.51	2.05	2.05	2.28	-
CHEMISTRY PRATICAL	2.07	1.84	2.07	2.07	2.77	2.07	1.84	□□□□	2.07	2.07	□□□	-
Second semester												
ENGLISH	2.55	-	-	-	2.32	-	-	2.55	-	2.32	2.32	-
SANSKRIT	2.54	-	-	-	2.31	-	-	2.54	-	2.31	2.31	-
TELUGU	-	-	-	-	2.27	-	-	2.50	-	2.27	2.04	-
HINDI	2.6	-	-	-	2.41	-	-	2.6	-	2.41	2.41	-
COMMUNICATION SKILL	2.53	-	-	-	2.30	-	-	2.53	-	2.30	2.30	-
FOUNDATION COURSE - ICT	2.58	-	-	-	2.35	-	-	2.58	-	2.35	2.35	-
ZOOLOGY	2.35	2.35	2.11	2.35	2.58	2.11	1.88	2.11	2.35	1.88	1.88	2.35
ZOOLOGY PRACTICAL	1.84	2.3	2.53	1.84	2.3	2.53	1.84	2.07	2.3	2.3	2.07	2.07
PHYSICS	2.3	2.3	2.07	2.3	2.53	2.07	1.84	2.07	2.3	1.84	1.84	2.3
PHYSICS PRATICAL	1.84	2.3	2.53	1.84	2.3	2.53	1.84	2.07	2.3	2.3	2.07	2.07
CHEMISTRY	2.07	1.84	2.07	2.07	2.76	2.07	1.84	2.53	2.07	2.07	2.30	-
CHEMISTRY PRATICAL	2.07	1.84	-	2.07	2.07	2.07	2.07	1.84	2.53	1.84	-	-
Third semester												
ENGLISH	2.60	-	-	-	2.36	-	-	2.60	-	2.36	2.36	-

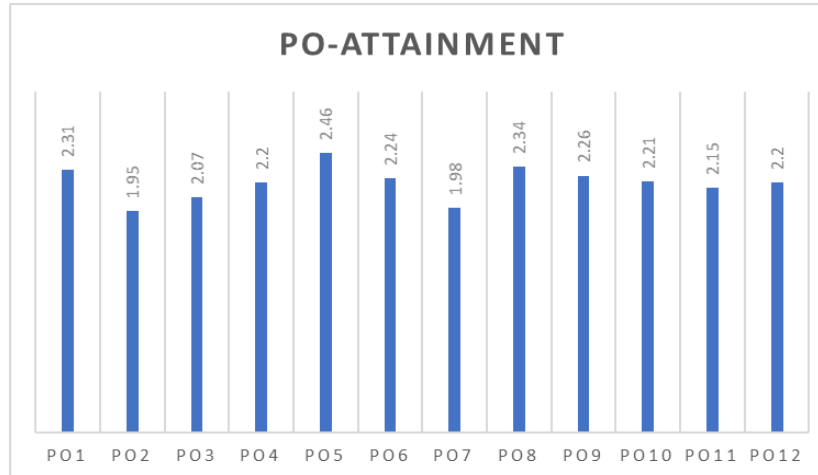
SANSKRIT	-	-	-	-	2.36	-	-	2.12	-	1.63	2.59	-
TELUGU	-	-	-	-	2.35	-	-	2.59	-	2.35	2.12	-
HINDI	2.70	-	-	-	2.41	-	-	2.45	-	2.41	2.41	-
Environmental audit	2.58	-	-	-	2.34	-	-	2.58	-	2.34	2.34	-
Envieonmental education	2.58	-	-	-	2.58	-	-	2.11	-	2.58	2.34	-
Health and hygiene	2.54	-	-	-	2.31	-	-	2.54	-	2.31	2.31	-
ZOOLOGY	2.31	2.31	2.08	2.31	2.54	2.08	1.85	2.08	2.31	1.85	1.85	2.31
ZOOLOGY PRACTICAL	2.32	2.32	2.09	2.32	2.55	2.09	1.85	2.09	2.32	1.85	1.85	2.32
PHYSICS	2.30	2.30	2.07	2.30	2.53	2.07	1.79	2.07	2.30	1.79	1.61	2.30
PHYSICS PRATICAL	1.85	2.32	2.55	1.85	2.32	2.55	1.85	2.09	2.32	2.32	2.09	2.09
CHEMISTRY	2.13	1.9	2.13	2.13	2.85	2.13	1.9	2.65	2.13	2.13	2.41	-
CHEMISTRY PRATICAL	2.16	1.92	-	2.16	2.16	2.16	2.16	1.92	2.62	1.92	-	-
Fourth Semester												
ZOOLOGY - IV	2.35	2.35	2.35	2.35	2.82	2.59	2.35	2.35	2.35	2.59	2.12	2.35
ZOOLOGY - IV PRACTICAL	2.37	2.37	2.37	2.37	2.84	2.61	2.37	2.37	2.37	2.61	2.13	2.37
ZOOLOGY - V	2.35	2.35	2.35	2.35	2.82	2.59	2.35	2.35	2.35	2.59	2.12	2.35
ZOOLOGY – V PRACTICAL	2.37	2.37	2.37	2.37	2.84	2.61	2.37	2.37	2.37	2.61	2.13	2.37
PHYSICS - IV	2.29	2.29	2.06	2.29	2.51	2.06	1.83	2.06	2.29	1.83	1.60	2.29
PHYSICS - IV PRATICAL	2.37	2.37	2.37	2.37	2.84	2.61	2.37	2.37	2.37	2.61	2.13	2.37
PHYSICS - V	2.37	2.37	2.13	2.37	2.61	2.13	1.90	2.13	2.37	1.90	1.66	2.37
PHYSICS – V PRATICAL	2.37	2.37	2.14	2.37	2.61	2.14	1.90	2.14	2.37	1.90	1.66	2.37
CHEMISTRY - IV	2.09	1.86	2.09	2.09	2.798	2.09	1.86	2.56	2.09	2.09	2.33	-
CHEMISTRY - IV PRATICAL	2.09	1.86	2.09	2.09	2.798	2.09	1.86	2.56	2.09	2.09	2.33	-
CHEMISTRY - V	2.06	1.83	2.06	2.06	2.757	2.06	1.83	2.52	2.06	2.06	2.29	-
CHEMISTRY - V PRATICAL	2.07	1.84	2.10	2.07	2.763	2.07	1.84	2.53	2.07	2.07	2.30	-
Fifth Semester												
ZOOLOGY - VI	2.06	1.83	2.06	2.06	2.757	2.06	1.83	2.52	2.06	2.06	2.29	-
ZOOLOGY - VI PRACTICAL	2.37	2.37	2.13	2.37	2.61	2.13	1.90	2.13	2.37	1.90	1.66	2.37
ZOOLOGY - VII	2.54	-	-	-	2.31	-	-	2.54	-	2.31	2.31	-
ZOOLOGY - VII IPRACTICAL	2.54	-	-	-	2.31	-	-	2.54	-	2.31	2.31	-

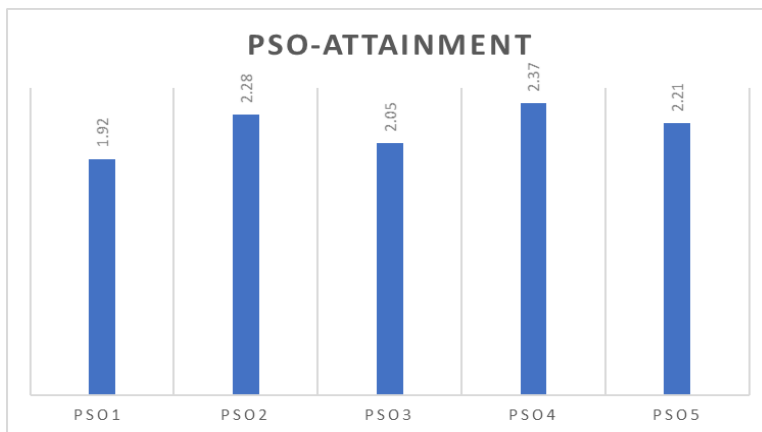
PHYSICS - VI	2.06	1.83	2.06	2.06	2.757	2.06	1.83	2.52	2.06	2.06	2.29	-
PHYSICS - VI PRATICAL	2.11	1.87	2.10	2.11	2.817	2.11	1.87	2.58	2.11	2.11	2.34	-
PHYSICS - VII	2.58	-	-	-	2.34	-	-	2.58	-	2.34	2.34	-
PHYSICS - VII PRATICAL	2.32	2.32	2.09	2.32	2.55	2.09	1.85	2.09	2.32	1.85	1.85	2.32
CHEMISTRY - VI	2.35	2.35	2.35	2.35	2.82	2.59	2.35	2.35	2.35	2.59	2.12	2.35
CHEMISTRY - VI PRATICAL	2.37	2.37	2.37	2.37	2.84	2.61	2.37	2.37	2.37	2.61	2.13	2.37
CHEMISTRY - VII	2.30	2.3	2.3	2.3	2.77	2.53	2.3	2.3	2.3	2.53	2.07	2.3
CHEMISTRY - VII PRATICAL	2.58	-	-	-	2.58	-	-	2.11	-	2.58	2.34	-
AVG	2.31	1.95	2.07	2.2	2.46	2.24	1.98	2.34	2.26	2.21	2.15	2.2

Course code	PSO1	PSO2	PSO3	PSO4	PSO5
First semester					
ENGLISH	-	2.3	-	2.53	-
TELEGU	-	-	-	2.28	2.28
SANSKRIT	-	-	-	2.54	2.08
HINDI	-	-	-	2.45	2.70
Human Values & Professional	-	2.3	-	2.53	-
Electrical Appliances	-	2.3	-	2.53	-
ZOOLOGY	2.07	2.53	2.07	2.3	2.3
ZOOLOGY PRACTICAL	1.85	2.31	1.85	2.54	2.08
PHYSICS	1.84	2.3	1.84	2.53	2.07
PHYSICS PRATICAL	1.82	2.28	1.82	2.51	2.05
CHEMISTRY	1.82	2.05	2.28	2.05	1.82
CHEMISTRY PRATICAL	1.84	2.07	□□□	2.07	1.84
Second semester					
ENGLISH	-	2.32	2.09	2.55	2.55
SANSKRIT	-	2.31	2.08	2.54	2.54
TELEGU	-	2.27	-	2.27	2.27
HINDI	-	2.41	2.1	2.6	2.6
COMMUNICATION SKILL	-	2.30	2.07	2.53	2.53

FOUNDATION COURSE - ICT	-	2.35	2.11	2.58	2.58
ZOOLOGY	1.88	2.35	1.88	2.58	2.11
ZOOLOGY PRACTICAL	2.07	2.07	1.84	2.07	2.07
PHYSICS	1.84	2.3	1.84	2.53	2.07
PHYSICS PRATICAL	2.07	2.07	1.84	2.07	2.07
CHEMISTRY	1.84	2.07	2.30	2.07	1.84
CHEMISTRY PRATICAL	1.84	1.84	1.84	2.3	1.84
Third Semester					
ENGLISH	-	2.36	2.13	2.59	2.59
SANSKRIT	-	-	-	1.63	2.25
TELEGU	-	2.35	-	2.35	2.35
HINDI	-	2.41	2.17	2.70	2.70
Environmental audit	-	2.34	2.11	2.58	2.58
Envieonmental education	-	2.34	2.11	2.34	2.58
Health and hygiene	-	2.31	2.08	2.54	2.54
ZOOLOGY	1.85	2.31	1.85	2.54	2.08
ZOOLOGY PRACTICAL	1.85	2.32	1.85	2.55	2.09
PHYSICS	1.79	2.30	1.79	2.53	2.07
PHYSICS PRATICAL	2.09	2.09	1.85	2.09	2.09
CHEMISTRY	1.9	2.13	2.37	2.13	1.9
CHEMISTRY PRATICAL	1.92	1.92	1.92	2.41	1.92
Fourth Semester					
ZOOLOGY - IV	2.12	2.59	2.12	2.35	2.35
ZOOLOGY - IV PRACTICAL	2.13	2.61	2.13	2.37	2.37
ZOOLOGY - V	2.12	2.59	2.12	2.35	2.35
ZOOLOGY – V PRACTICAL	2.13	2.61	2.13	2.37	2.37
PHYSICS - IV	1.83	2.29	1.83	2.51	2.06
PHYSICS - IV PRATICAL	1.77	2.21	1.77	2.43	1.99
PHYSICS - V	1.90	2.37	1.90	2.61	2.13
PHYSICS – V PRATICAL	1.90	2.37	1.90	2.61	2.14
CHEMISTRY - IV	1.86	2.09	2.33	2.09	1.86
CHEMISTRY - IV PRATICAL	1.86	2.09	2.33	2.09	1.86
CHEMISTRY - V	1.83	2.09	2.29	2.09	1.83

CHEMISTRY - V PRATICAL	1.84	2.10	2.30	2.07	1.84
Fifth Semester					
ZOOLOGY - VI	1.83	2.09	2.29	2.09	1.83
ZOOLOGY - VI PRACTICAL	1.90	2.37	1.90	2.61	2.13
ZOOLOGY - VII	-	2.31	2.08	2.54	2.54
ZOOLOGY - VI IPRACTICAL	-	2.31	2.08	2.54	2.54
PHYSICS - VI	1.83	2.09	2.29	2.09	1.83
PHYSICS - VI PRATICAL	1.87	2.11	2.34	2.11	1.87
PHYSICS - VII	-	2.34	2.11	2.58	2.58
PHYSICS - VII PRATICAL	1.85	2.32	1.85	2.55	2.09
CHEMISTRY - VI	2.12	2.59	2.12	2.35	2.35
CHEMISTRY - VI PRATICAL	2.13	2.61	2.13	2.37	2.37
CHEMISTRY - VII	2.07	2.53	2.07	2.3	2.3
CHEMISTRY - VII PRATICAL	-	2.34	2.11	2.34	2.58
AVG	1.92	2.28	2.05	2.37	2.21





Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (ZPC)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BSc (ZPC) at SPW	
2.	Ability acquired to apply knowledge of Mathematics, Physics and Electronics in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	
5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3	Q3, Q4	Q4, Q5	Q5	Q6, Q9	Q6	Q6	Q7	Q7	Q5, Q7	Q6, Q8

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3	Q5, Q6, Q8	Q7, Q8	Q3, Q4	Q5, Q6

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (ZPC).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3, Q5	Q3	Q5	Q5	Q5, Q10	Q8, Q10	Q10	Q8	Q6	Q5, Q6, Q8	Q7

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8	Q2, Q7, Q8	Q6, Q9, Q10

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	Indirect PO Attainment																
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5

Graduate Exit Survey	3	2	1	1	2	3	1	3	1	2	2	2	2	2	2	1	3
Employer survey	3	2	2	1	2	2	2	1	2	2	3	2	3	3	3	1	3
Alumni Survey	3	2	3	2	2	2	1	1	3	2	2	3	2	1	3	1	3
Indirect Attainment	3	2	2	1.33	2	2.33	1.33	1.67	2.00	2.33	2.33	2.33	2.33	2	1.33	2	3

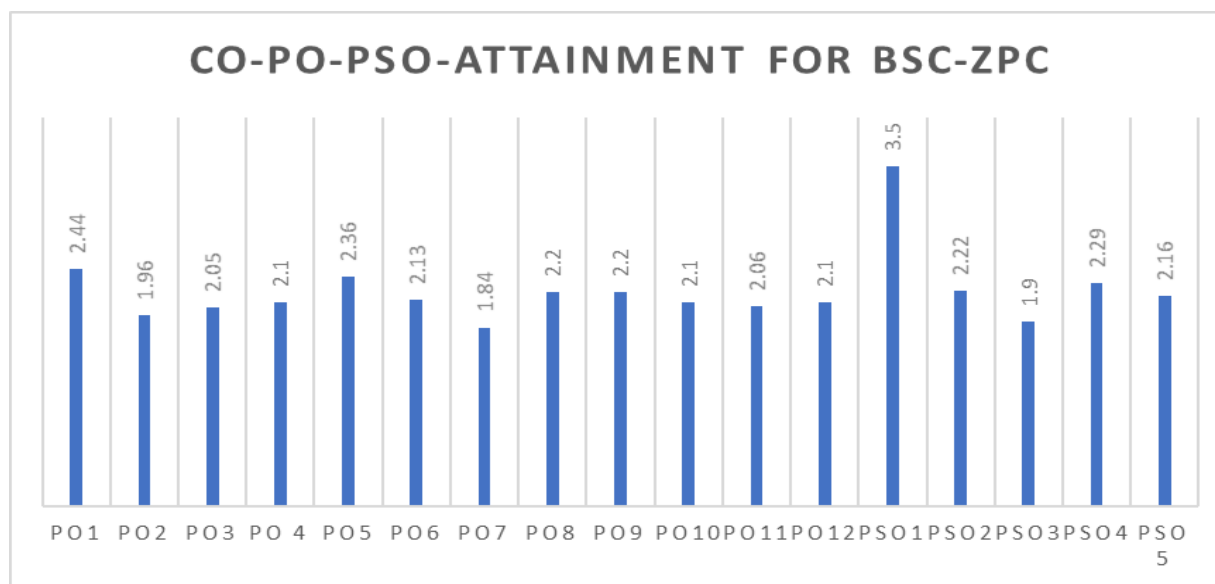
Overall Attainment of PO;

Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

PO ATTAINMENT																	
	PO1	PO2	PO3	PO 4	PO5	PO6	PO7	PO8	PO9	PO10	PO 11	PO1 2	PSO1	PSO2	PSO3	PSO4	PSO 5
Direct	2.31	1.95	2.07	2.2	2.46	2.24	1.98	2.34	2.26	2.21	2.15	2.2	1.92	2.28	2.05	2.37	2.21
Indirect	3	2	2	1.33	2	2.33	1.33	1.67	2.00	2.33	2.33	2.33	2.33	2	1.33	2	3
80% Direct	1.84	1.56	1.65	1.76	1.96	1.79	1.58	1.87	1.80	1.76	1.72	1.76	1.53	1.82	1.64	1.89	1.76
20% Indirect	0.6	0.4	0.4	0.34	0.4	0.34	0.26	0.33	0.4	0.34	0.34	0.34	0.34	0.4	0.26	0.4	0.4
Po attainment	2.44	1.96	2.05	2.1	2.36	2.13	1.84	2.2	2.2	2.1	2.06	2.1	3.5	2.22	1.9	2.29	2.16



SRI PADMAVATHI WOMENS DEGREE & PG COLLEGE, TIRUPATI

BSc (MPCs) 2020 - 23

Overall CO-PO-PSO attainment for BSc (MPCs)

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
First semester												
ENGLISH	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
TELUGU	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
SANSKRIT	-	-	-	-	2.5	-	-	2.25	-	2.75	2.5	-
HINDI	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
ENVIRONMENTAL SCIENCE	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
FOUNDATION COURSE	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
MATHS	2.75	2.5	2.5	2.5	-	2.75	2.5	-	-	-	2.25	-
PHYSICS	2.75	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2.0	2.5
PHYSICS PRATICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
COMPUTER SCIENCES	2.25	2	2.25	2.25	3	2.25	2.5	2.75	2.25	2.25	2.5	-
COMPUTER SCIENCES PRATICAL	2.25	2	2.25	2.25	3	2.25	2	2.75	2.25	2.25	2.5	-
Second semester												
ENGLISH	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
SANSKRIT	-	-	-	-	2.5	-	-	2.25	-	2.75	2.5	-
TELUGU	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
COMMUNICATION SKILL	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
FOUNDATION	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-

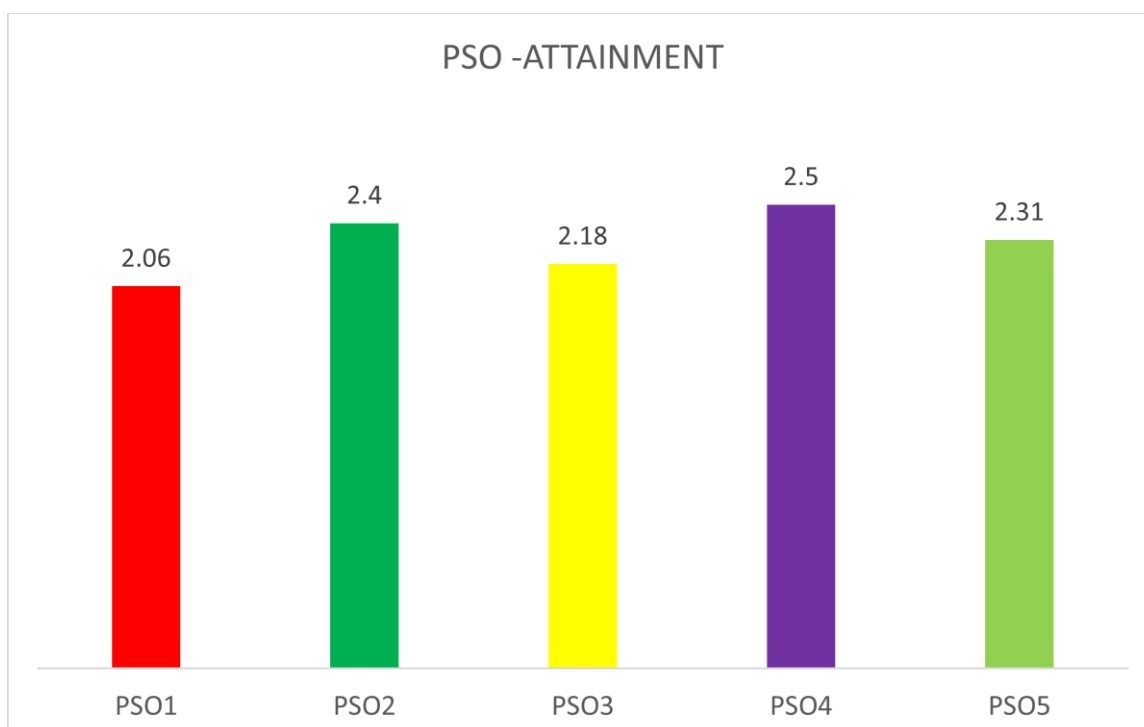
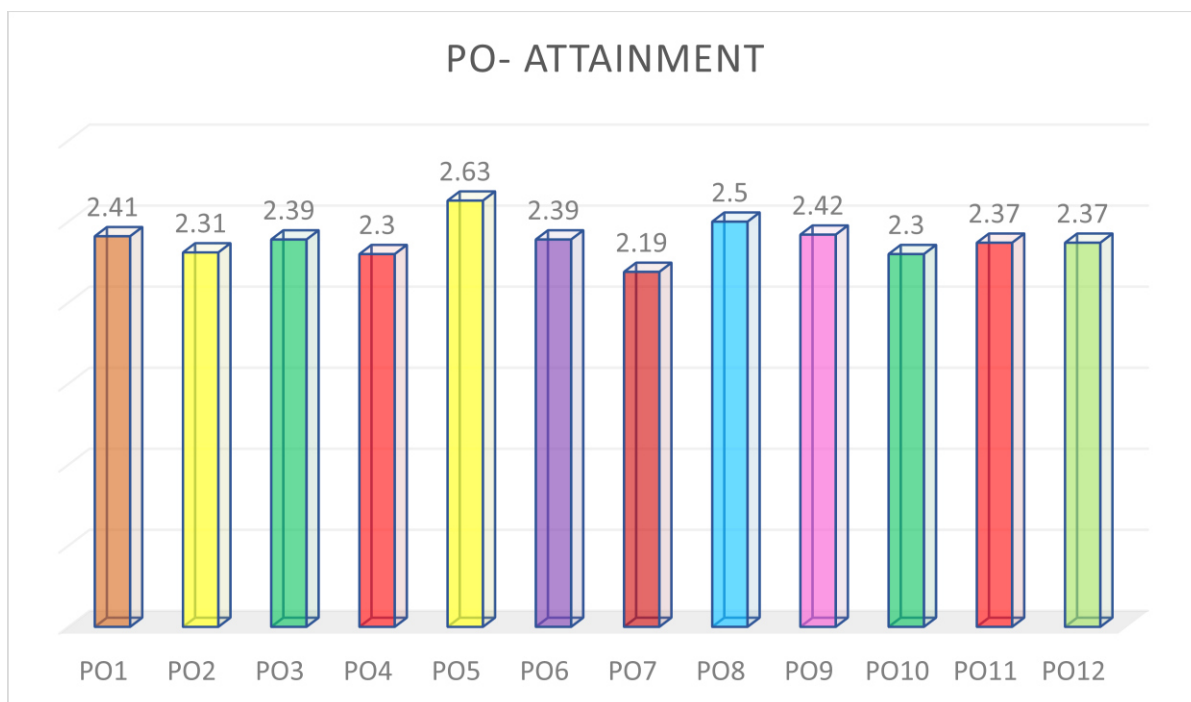
COURSE - ICT												
MATHS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	1.75	2.5
PHYSICS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	1.75	2.5
PHYSICS PRATICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
COMPUTER SCIENCES	2.25	2	2.25	2.25	3	2.25	2.5	2.75	2.25	2.25	2.5	-
COMPUTER SCIENCES PRATICAL	1.75	2	-	2.25	2.25	2.25	2.25	2	2.75	2	-	-
Third semester												
ENGLISH	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
SANSKRIT	-	-	-	-	2.5	-	-	2.25	-	2.75	2.5	-
TELUGU	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
HINDI	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
FOUNDATION COURSE -EP	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
COMMUNICATION SKILL -II	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
MATHS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	1.75	2.5
PHYSICS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	1.75	2.5
PHYSICS PRACTICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
COMPUTER SCIENCE	2.25	2	2.25	2.25	3	2.25	2.5	2.75	2.25	2.25	2.5	-
COMPUTER SCIENCE PRACTICAL	1.75	2	-	2.25	2.25	2.25	2.25	2	2.75	2	-	-
Fourth Semester												
LEADERSHIP EDUCATION	2.75	-	-	-	2.75	-	-	2.25	-	2.75	2.5	-
COMMUNICATION SKILL -III	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-

ANALYTICAL SKILL	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
FOUNDATION COURSE ICT - 2	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
MATHS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
PHYSICS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	1.75	2.5
PHYSICS PRACTICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
COMPUTER SCIENCES	2.25	2	2.25	2.25	3	2.25	2.75	2.75	2.25	2.25	2.5	-
COMPUTER SCIENCES PRACTICAL	2.25	2	2.25	2.25	3	2.25	2.25	2.75	2.25	2.25	2.5	-
Fifth Semester												
MATHS - V	2.5	2.5	2.5	2.5	2.75	2.75	2.5	2	2	2.5	2.25	2
MATHS - VI	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2.25	2.5
PHYSICS - V	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2.5	2.5
PHYSICS - V PRACTICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
PHYSICS - VI	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
PHYSICS - VI PRACTICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
COMPUTER SCIENCE - V	2.25	2	2.25	2.25	3	2.25	2.75	2.75	2.25	2.25	2.5	-
COMPUTER SCIENCE - V PRACTICAL	2.25	2	2.25	2.25	3	2.25	2.25	2.75	2.25	2.25	2.5	-
COMPUTER SCIENCE - VI	2.5	2.5	2.25	2.5	2.75	2.25	2.5	2.25	2.5	2	2.25	2.5
COMPUTER SCIENCE - VI PRACTICAL	2.25	2	2.25	2.25	3	2.25	2.25	2.75	2.25	2.25	2.5	-
AVG	2.41	2.31	2.39	2.3	2.63	2.39	2.19	2.5	2.42	2.3	2.37	2.37

Course code	PSO1	PSO2	PSO3	PSO4	PSO5
First semester					
ENGLISH	-	2.5	-	2.75	-
TELEGU	-	-	-	2.5	2.5
SANSKRIT	-	-	-	2.75	2.25
HINDI	-	-	-	2.5	2.5
ENVIRONMENTAL SCIENCE	-	2.5	-	2.75	-
FOUNDATION COURSE	-	2.5	-	2.75	-
MATHS	2.25	2.75	-	-	2.5
PHYSICS	2	2.5	2	2.75	2.25
PHYSICS (PRATICAL)	2.25	2.25	2	2.25	2.25
COMPUTER SCIENCE	2	2.25	2.5	2.25	2
COMPUTER SCIENCE (PRATICAL)	2	2.25	2.5	2.25	2
Second semester					
ENGLISH	-	2.5	2.25	2.75	2.75
SANSKRIT	-	-	-	2.75	2.25
TELEGU	-	-	-	2.5	2.5
COMMUNICATION SKILL	-	2.5	2.25	2.75	2.75
FOUNDATION COURSE - ICT	-	2.5	2.25	2.75	2.75
MATHS	2	2.5	2	2.75	2.25
PHYSICS	2	2.5	2	2.75	2.25
PHYSICS (PRATICAL)	2.25	2.25	2	2.25	2.25

COMPUTER SCIENCES	2	2.25	2.5	2.25	2
COMPUTER SCIENCES (PRATICAL)	2	2	2	2.5	1.75
Third Semester					
ENGLISH	-	2.5	2.25	2.75	2.75
SANSKRIT	-	-	-	2.75	2.25
TELEGU	-	-	-	2.5	2.5
HINDI	-	-	-	2.5	2.5
FOUNDATION COURSE -EP	-	2.5	2.25	2.75	2.75
COMMUNICATION SKILL -II	-	2.5	2.25	2.75	2.75
MATHS	2	2.5	2	2.75	2.25
PHYSICS	2	2.5	2	2.75	2.25
PHYSICS (PRACTICAL)	2.25	2.25	2	2.25	2.25
COMPUTER SCIENCE	2	2.25	2.5	2.25	2
COMPUTER SCIENCE (PRACTICAL)	2	2	2	2.5	1.75
Fourth Semester					
LEADERSHIP EDUCATION	-	2.5	2.25	2.5	2.75
COMMUNICATION SKILL -III	-	2.5	2.25	2.75	2.75
ANALYTICAL SKILL	-	2.5	2.5	2.75	2.25
FOUNDATION COURSE ICT - 2	-	2.5	2.25	2.75	2.75
MATHS	2	2.5	2	2.75	2.25
PHYSICS	2	2.5	2	2.75	2.25

PHYSICS (PRACTICAL)	2.25	2.25	2	2.25	2.25
COMPUTER SCIENCES	2	2.25	2.5	2.25	2
COMPUTER SCIENCES (PRACTICAL)	2	2.25	2.5	2.25	2
Fifth Semester					
MATHS - V	2.25	2.75	2.5	2	2.5
MATHS - VI	2	2.5	2	2.75	2.25
PHYSICS - V	2	2.5	2	2.75	2.25
PHYSICS - V (PRACTICAL)	2.25	2.25	2	2.25	2.25
PHYSICS - VI	2.25	2.25	2	2.25	2.25
PHYSICS - VI (PRACTICAL)	2.25	2.25	2	2.25	2.25
COMPUTER SCIENCE - V	2	2.25	2.5	2.25	2
COMPUTER SCIENCE - V (PRACTICAL)	2	2.5	2	2.75	2.25
COMPUTER SCIENCE - VI	2	2.5	2	2.75	2.25
COMPUTER SCIENCE - VI (PRACTICAL)	2	2.25	2.5	2.25	2
AVG	2.06	2.4	2.18	2.5	2.31



Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MPCs)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BSc (MPCs) at SPW	
2.	Ability acquired to apply knowledge of Mathematics, Physics and Electronics in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	
5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3	Q3, Q4	Q4, Q5	Q5	Q6, Q9	Q6	Q6	Q7	Q7	Q5, Q7	Q6, Q8

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3	Q5, Q6, Q8	Q7, Q8	Q3, Q4	Q5, Q6

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MPC).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3, Q5	Q3	Q5	Q5	Q5, Q10	Q8, Q10	Q10	Q8	Q6	Q5, Q6, Q8	Q7

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8	Q2, Q7, Q8	Q6, Q9, Q10

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	Indirect PO Attainment																
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PS O3	PS O4	PS O5
Graduate Exit Survey	3	2	1	1	2	3	1	3	1	2	2	2	2	2	2	1	3
Employer survey	3	2	2	1	2	2	2	1	2	2	3	2	3	3	3	1	3
Alumni Survey	3	2	3	2	2	2	1	1	3	2	2	3	2	1	3	1	3
Indirect Attainment	3	2	2	1.33	2	2.33	1.33	1.67	2.00	2.33	2.33	2.33	2.33	2	1.33	2	3

Overall Attainment of PO;

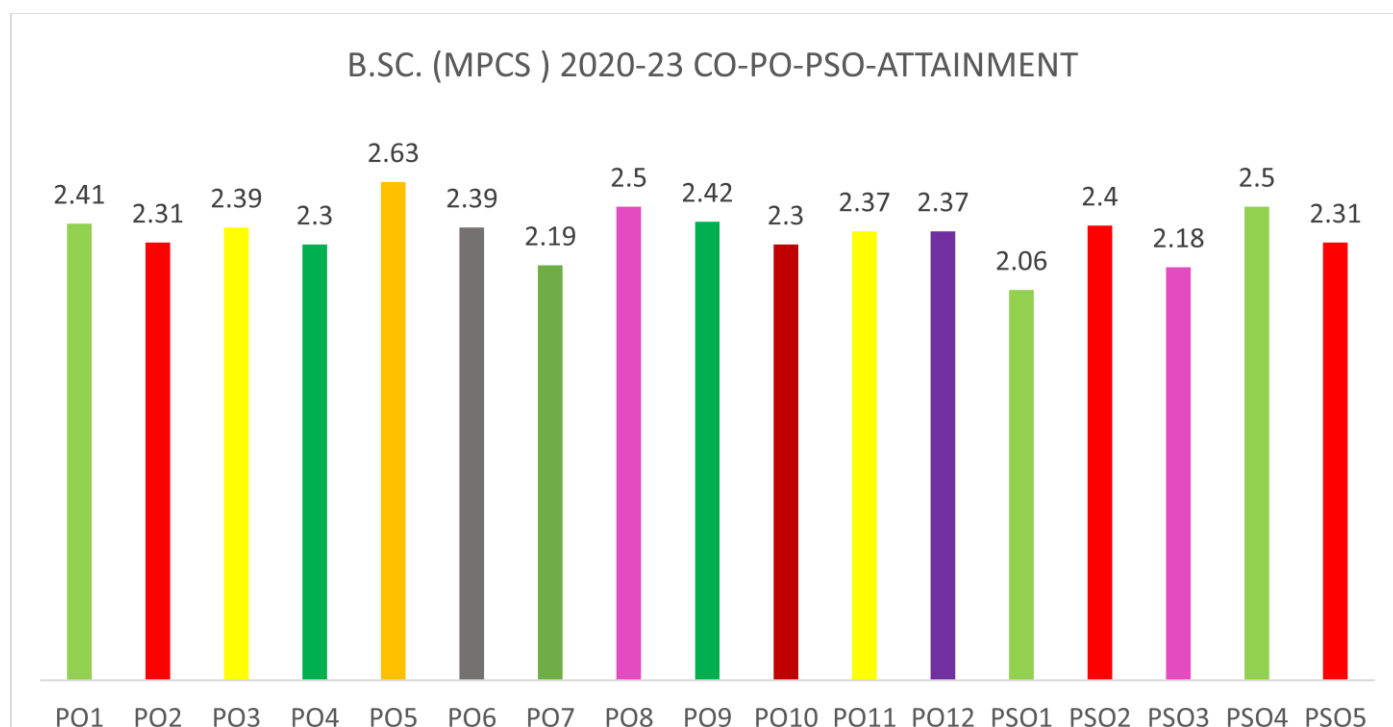
Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

PO ATTAINMENT																	
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
Direct	2.41	2.31	2.39	2.3	2.63	2.39	2.19	2.5	2.42	2.3	2.37	2.37	2.06	2.4	2.18	2.5	2.31

Indirect	3	2	2	1.33	2	2.33	1.33	1.67	2.00	2.33	2.33	2.33	2.33	2	1.33	2	3
80% Direct	1.93	1.84	1.91	1.84	2.1	1.91	1.75	2.0	1.93	1.84	1.89	1.89	1.64	1.92	1.74	2.0	1.84
20% Indirect	0.6	0.4	0.4	0.26	0.4	0.46	0.26	0.33	0.4	0.46	0.46	0.46	0.46	0.4	0.26	0.4	0.4
Po attainment	2.53	2.24	2.31	2.1	2.5	2.37	2.01	2.33	2.33	2.3	2.35	2.35	2.1	2.32	2.0	2.4	2.24



SRI PADMAVATHI WOMENS DEGREE & PG COLLEGE, TIRUPATI

BSc (MSCs) 2020- 2223

Overall CO-PO-PSO attainment for BSc (MSCs)

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
First semester												
ENGLISH	2.51	-	-	-	-	-	-	2.51	-	2.28	2.28	-
TELUGU	-	-	-	-	2.29	-	-	2.52	-	2.29	2.06	-
SANSKRIT	-	-	-	-	2.29	-	-	2.06	-	2.52	2.29	-
Electrical Appliances	2.51	-	-	-	-	-	-	2.51	-	2.28	2.28	-
Human Values and Professional Ethics	2.49	-	-	-	-	-	-	2.49	-	2.27	2.27	-
MATHS	2.29	2.29	2.29	2.29	-	2.52	2.29	-	-	-	2.06	-
STATISTICS	2.28	2.28	2.06	2.28	2.51	2.06	1.83	2.06	2.28	1.83	1.83	2.28
STATISTICS PRATICAL	2.29	2.29	2.06	2.29	2.52	2.06	1.83	2.06	2.06	1.83	1.83	1.75
COMPUTER SCIENCES	2.06	1.83	2.06	2.06	2.74	2.06	1.83	2.51	2.06	2.06	2.28	
COMPUTER SCIENCES PRATICAL	2.06	1.83	2.06	2.06	2.75	2.06	1.82	2.52	2.06	2.06	2.29	-
Second semester												
ENGLISH	2.48	-	-	-	2.26	-	-	2.48	-	2.26	2.26	-
SANSKRIT	2.52	-	-	-	2.29	-	-	2.52	-	2.29	2.29	-
TELUGU	-	-	-	-	2.24	-	-	2.47	-	2.24	2.02	-
Elementary Statistics	2.48	-	-	-	2.25	-	-	2.48	-	2.25	2.25	-
Food adultration	2.48	-	-	-	2.25	-	-	2.48	-	2.25	2.25	-
Solar Energy	2.48	-	-	-	2.25	-	-	2.48	-	2.25	2.25	-
MATHS	2.27	2.27	2.04	2.27	2.49	2.04	1.81	2.04	2.27	1.81	1.81	2.27

STATISTICS	2.27	2.27	2.04	2.27	2.49	2.04	1.83	2.04	2.27	1.83	1.83	2.27
STATISTICS PRATICAL	1.81	2.26	2.48	1.81	2.26	2.48	1.81	2.03	2.26	2.26	2.03	2.03
COMPUTER SCIENCES	2.03	1.81	2.03	2.03	2.74	2.03	1.81	2.48	2.03	2.03	2.28	-
COMPUTER SCIENCES PRATICAL	2.04	1.81	-	2.04	2.04	2.04	2.04	1.81	2.29	1.81	-	-
Third semester												
ENGLISH	2.50	-	-	-	-	-	-	2.50	-	2.28	2.28	-
SANSKRIT	-	-	-	-	2.29	-	-	2.03	-	2.52	2.29	-
TELUGU	1.76	-	-	-	2.24	-	-	2.47	-	2.24	2.02	-
HINDI	2.26	-	-	-	2.53	-	-	2.07	-	2.53	2.3	-
Environment Audit	2.53	-	-	-	2.30	-	-	2.53	-	2.30	2.30	-
Environmental Education	2.56	-	-	-	2.33	-	-	2.56	-	2.33	2.33	-
Analytical Skills	2.53	-	-	-	2.30	-	-	2.53	-	2.30	2.30	-
MATHS	2.28	2.28	2.28	2.28	-	2.51	2.28	-	-	-	2.06	-
STATISTICS	2.31	2.31	2.08	2.31	2.54	2.08	1.83	2.08	2.31	1.83	1.83	2.31
STATISTICS PRACTICAL	1.83	2.29	2.52	1.83	2.29	2.52	1.83	2.06	2.29	2.29	2.06	2.06
COMPUTER SCIENCE	2.08	1.83	2.08	2.08	2.54	2.08	1.83	2.54	2.08	2.08	2.31	-
COMPUTER SCIENCE PRACTICAL	2.09	1.83	-	2.09	2.09	2.09	2.09	1.83	2.52	1.83	-	-
Fourth Semester												
MATHS P4	2.29	2.29	2.29	2.29	-	2.52	2.29	-	-	-	2.06	-
MATHS P5	2.29	2.29	2.29	2.29	-	2.52	2.29	-	-	-	2.06	-
STATISTICS –P4	2.30	2.30	2.07	2.30	2.53	2.07	1.84	2.07	2.30	1.84	1.84	2.30
STATISTICS PRACTICAL –P4	1.82	2.28	2.50	1.82	2.28	2.50	1.82	2.05	2.28	2.28	2.06	2.05

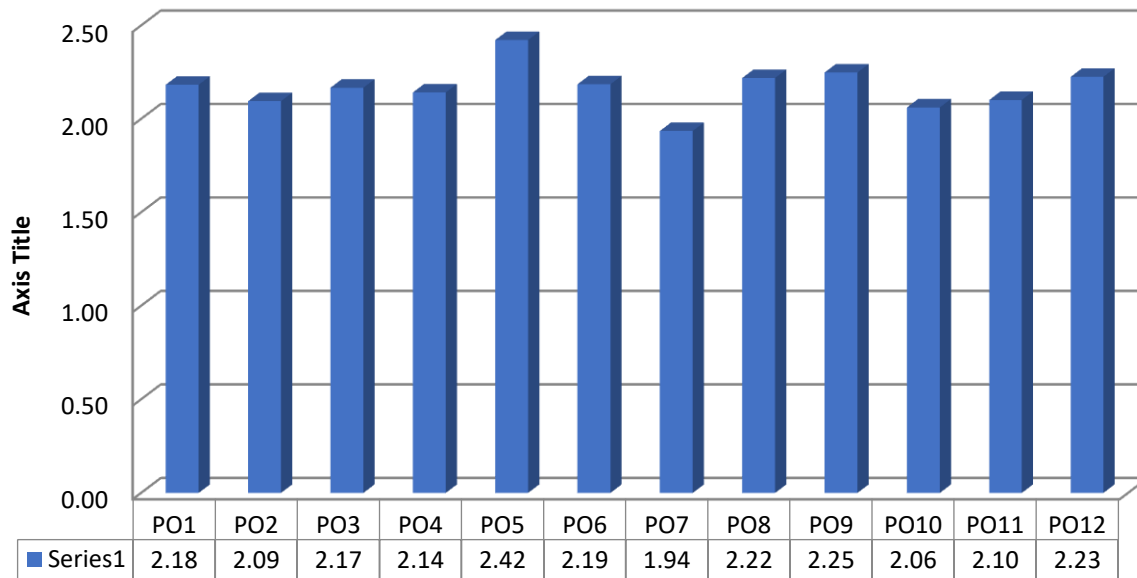
STATISTICS –P5	2.30	2.30	2.07	2.30	2.53	2.07	1.84	2.07	2.30	1.84	1.84	2.30
STATISTICS PRACTICAL –P5	1.82	2.28	2.50	1.82	2.28	2.50	1.82	2.05	2.28	2.28	2.06	2.05
COMPUTER SCIENCE-P4	2.04	1.81	2.04	2.04	2.72	2.04	1.81	2.49	2.04	2.04	2.27	-
COMPUTER SCIENCE PRACTICAL – P4	2.06	1.83	2.08	2.06	2.74	2.06	1.83	2.51	2.06	2.06	2.28	-
COMPUTER SCIENCE-P5	2.04	1.81	2.04	2.04	2.72	2.04	1.81	2.49	2.04	2.04	2.27	-
COMPUTER SCIENCE PRACTICAL – P5	2.06	1.83	2.08	2.06	2.74	2.06	1.83	2.51	2.06	2.06	2.28	-
Fifth Semester												
MATHS – 6B	2.31	2.31	2.31	2.31	-	2.54	2.31	-	-	-	2.08	-
MATHS – 7B	2.28	2.28	2.06	2.28	2.51	2.06	1.83	2.06	2.28	1.83	1.83	2.28
STATISTICS – 6A	2.30	2.30	2.07	2.30	2.53	2.07	1.83	2.07	2.30	1.83	1.83	2.30
STATISTICS – 6A PRACTICAL	2.30	2.30	2.07	2.30	2.53	2.07	1.83	2.07	2.30	1.83	1.83	2.30
STATISTICS – 7A	2.28	2.28	2.06	2.28	2.51	2.06	1.83	2.06	2.28	1.83	1.83	2.28
STATISTICS – 7A PRACTICAL	2.28	2.28	2.06	2.28	2.51	2.06	1.83	2.06	2.28	1.83	1.83	2.28
COMPUTER SCIENCE – 6A	2.07	1.84	-	2.07	2.07	2.07	2.07	1.84	2.53	1.84	-	-
COMPUTER SCIENCE – 6A PRACTICAL	2.07	1.84	-	2.07	2.07	2.07	2.07	1.84	2.53	1.84	-	-
COMPUTER SCIENCE – 7A	2.07	1.83	2.07	2.07	2.53	2.07	1.83	2.53	2.07	2.07	2.30	-
COMPUTER SCIENCE – 7A PRACTICAL	2.06	1.83	2.06	2.06	2.52	2.06	1.83	2.52	2.06	2.06	2.29	-
AVG	2.23	2.10	2.15	2.14	2.42	2.18	1.92	2.27	2.23	2.10	2.12	2.19

Course code	PSO1	PSO2	PSO3	PSO4	PSO5
First semester					
ENGLISH	-	2.28	-	2.51	-
TELEGU	-	-	-	2.29	2.29
SANSKRIT	-	-	-	2.52	2.06
Electrical Appliances	-	2.28	-	2.51	-
Human Values and Professional Ethics	-	2.27	-	2.49	-
MATHS	2.06	2.52	-	-	2.29
STATISTICS	1.83	2.28	1.83	2.51	2.06
STATISTICS (PRATICAL)	1.83	2.29	1.83	2.52	2.06
COMPUTER SCIENCE	1.83	2.06	2.28	2.06	1.83
COMPUTER SCIENCE (PRATICAL)	1.83	2.06	2.29	2.06	1.83
Second semester					
ENGLISH	-	2.26	2.03	2.48	2.48
SANSKRIT	-	2.29	2.09	2.52	2.52
TELEGU	-	2.24	-	2.24	2.02
Elementary Statistics	-	2.25	2.03	2.48	2.48
Food adulteration	-	2.25	2.03	2.48	2.48
Solar Energy	-	2.25	2.03	2.48	2.48
MATHS	1.81	2.27	1.81	2.49	2.04
STATISTICS	1.83	2.27	1.83	2.49	2.04
STATISTICS (PRATICAL)	2.03	2.03	1.81	2.02	2.03
COMPUTER SCIENCES	1.81	2.03	2.26	2.03	1.81
COMPUTER SCIENCES (PRATICAL)	1.81	1.81	1.83	2.27	2.04

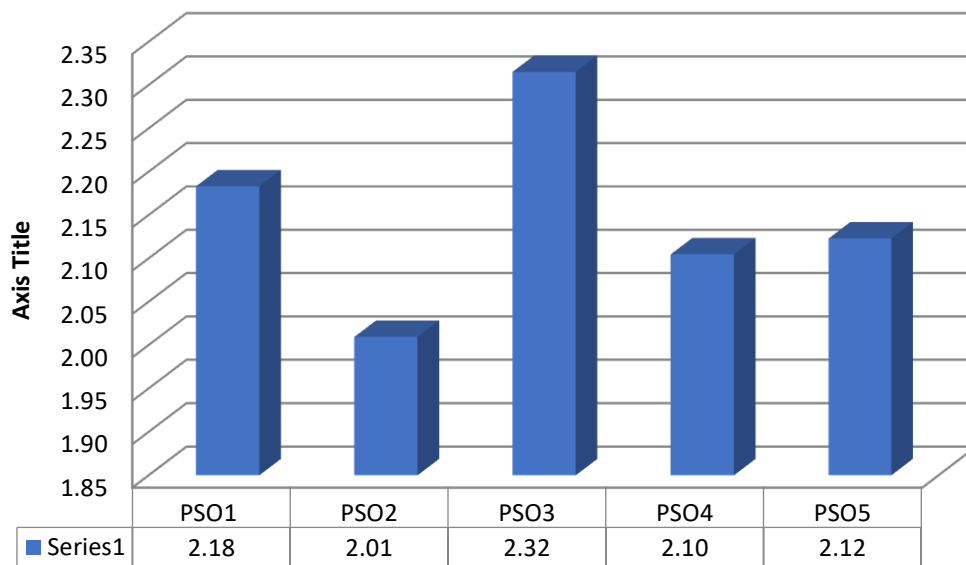
Third Semester					
ENGLISH	-	2.28	-	2.50	-
SANSKRIT	-	-	-	2.52	2.03
TELEGU	-	2.24	2.02	2.24	2.24
HINDI	-	2.07	2.53	2.3	2.53
Environment Audit	-	2.30	2.07	2.53	2.53
Environmental Education	-	2.33	2.09	2.56	2.56
Analytical Skills	-	2.30	2.07	2.53	2.53
MATHS	2.06	2.51	-	-	2.28
STATISTICS	1.83	2.31	1.83	2.54	2.08
STATISTICS (PRACTICAL)	2.06	2.06	1.83	2.06	2.06
COMPUTER SCIENCE	1.83	2.08	2.31	2.08	1.83
COMPUTER SCIENCE (PRACTICAL)	1.83	1.83	1.83	2.32	2.09
Fourth Semester					
Maths P4	2.09	2.52	-	-	2.29
Maths P5	2.09	2.52	-	-	2.29
Statistics –P4	1.84	2.30	1.84	2.53	2.07
Statistics Practical – P4	2.05	2.05	1.82	2.05	2.05
Statistics –P5	1.84	2.30	1.84	2.53	2.07
Statistics Practical – P5	2.05	2.05	1.82	2.05	2.05
Computer Science-P4	1.81	2.04	2.27	2.04	1.81
Computer Science Practical – P4	1.83	2.06	2.28	2.06	1.83
Computer Science-	1.81	2.04	2.27	2.04	1.81

P5					
Computer Science Practical – P5	1.83	2.06	2.28	2.06	1.83
Fifth Semester					
MATHS – 6B	2.08	2.54	-	-	2.31
MATHS – 7B	1.83	2.28	1.83	2.51	2.06
STATISTICS – 6A	1.83	2.30	1.83	2.53	2.07
STATISTICS – 6A (PRACTICAL)	1.83	2.30	1.83	2.53	2.07
STATISTICS – 7A	1.83	2.28	1.83	2.51	2.06
STATISTICS – 7A (PRACTICAL)	1.83	2.28	1.83	2.51	2.06
COMPUTER SCIENCE – 6A	1.84	1.84	1.84	2.3	2.07
COMPUTER SCIENCE – 6A (PRACTICAL)	1.84	1.84	1.84	2.3	2.07
COMPUTER SCIENCE – 7A	1.83	2.07	2.30	2.07	1.83
COMPUTER SCIENCE – 7A (PRACTICAL)	1.83	2.06	2.29	2.06	1.83
AVG	1.89	2.20	2.01	2.33	2.12

PO Attainment



PSO-ATTAINMENT



Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MSCs)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BSc (MSCs) at SPW	
2.	Ability acquired to apply knowledge of Mathematics, Statistics and Computer science in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	
5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3	Q3, Q4	Q4, Q5	Q5	Q6, Q9	Q6	Q6	Q7	Q7	Q5, Q7	Q6, Q8

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3	Q5, Q6, Q8	Q7, Q8	Q3, Q4	Q5, Q6

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MSCs).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3, Q5	Q3	Q5	Q5	Q5, Q10	Q8, Q10	Q10	Q8	Q6	Q5, Q6, Q8	Q7

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8	Q2, Q7, Q8	Q6, Q9, Q10

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	Indirect PO Attainment																
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PSO 2	PS O3	PS O4	PS O5
Graduate Exit Survey	2	2	1	2	2	3	2	3	1	2	3	2	1	2	2	3	3
Employer survey	3	3	2	1	2	2	3	3	2	2	3	2	3	3	1	1	3
Alumni Survey	3	2	2	2	3	2	1	1	3	2	2	2	2	3	3	2	3
Indirect Attainment	2.67	2.33	1.67	1.67	2.33	2.33	2.00	2.33	2.00	2.00	2.67	2.00	2.00	2.67	2.00	2.00	3.00

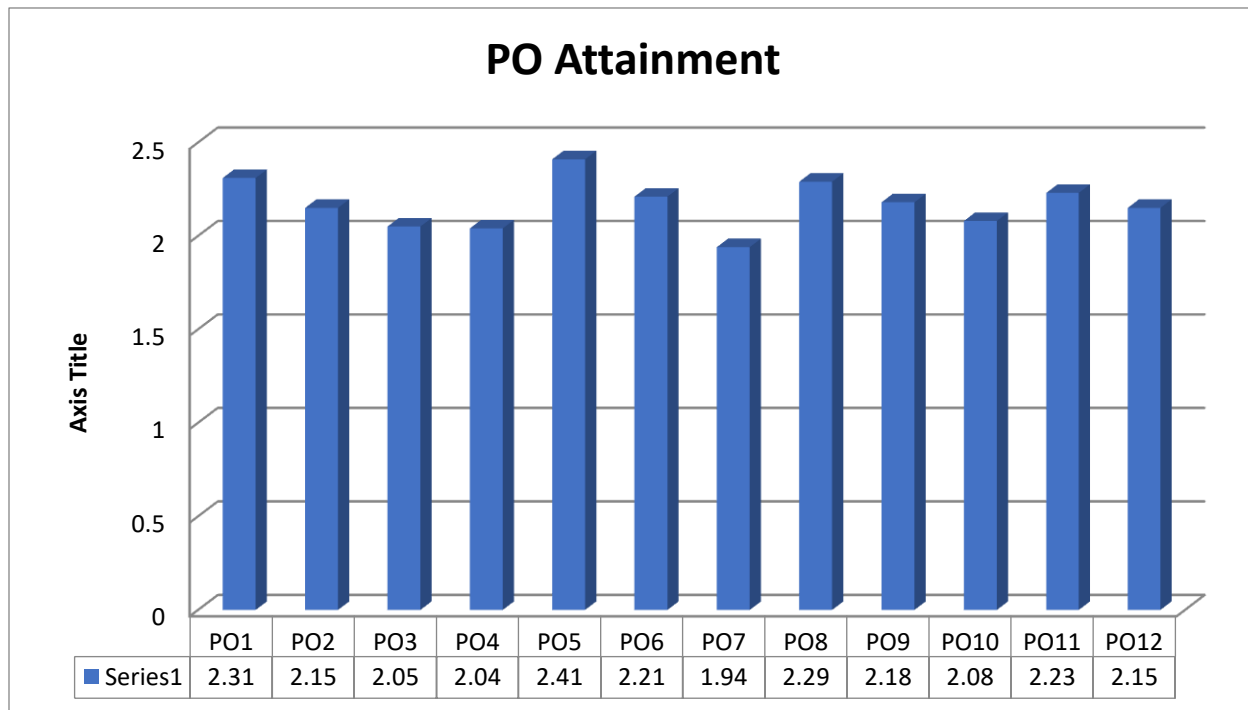
Overall Attainment of PO;

Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

PO ATTAINMENT																	
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PSO 2	PSO 3	PSO 4	PSO 5
Direct	2.23	2.10	2.15	2.14	2.42	2.18	1.92	2.27	2.23	2.10	2.12	2.19	2.23	2.10	2.15	2.14	2.42
Indirect	2.67	2.33	1.67	1.67	2.33	2.33	2.00	2.33	2.00	2.00	2.67	2.00	2.00	2.67	2.00	2.00	3.00
80% Direct	1.78	1.68	1.72	1.71	1.94	1.74	1.54	1.82	1.78	1.68	1.70	1.75	1.78	1.68	1.72	1.71	1.94
20% Indirect	0.53	0.47	0.33	0.33	0.47	0.47	0.40	0.47	0.40	0.40	0.53	0.40	0.40	0.53	0.40	0.40	0.60
Po attainment	2.31	2.15	2.05	2.04	2.41	2.21	1.94	2.29	2.18	2.08	2.23	2.15	2.18	2.21	2.12	2.11	2.54



SRI PADMAVATHI WOMENS DEGREE COLLEGE, TIRUPATHI

BSc (HOME SCIENCE)

Overall CO-PO-PSO attainment for BSc (HOME SCIENCE) 2022-23

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
FIRST SEMESTER												
ENGLISH	2.60	-	-	-	-	-	-	2.60	-	2.36	2.36	-
TELUGU	-	-	-	-	2.37	-	-	2.60	-	2.37	2.13	-
SANSKRIT	-	-	-	-	2.37	-	-	2.13	-	2.60	2.37	-
HUMAN VALUES AND ETHICS	2.56	-	-	-	-	-	-	2.56	-	2.33	2.33	-
PLANT NURSERY	2.57	-	-	-	-	-	-	2.57	-	2.33	2.33	-
BASIC NUTRITION	2.09	2.79	2.18	2.18	2.79	2.09	1.86	2.59	2.09	2.09	2.18	-
BASIC NUTRITION PRACTICALS	2.12	2.12	2.51	2.51	2.83	2.35	2.12	2.59	2.12	2.35	2.59	2.35
GENERAL PSYCHOLOGY	2.28	2.51	2.28	2.51	2.74	2.28	2.51	2.51	2.51	2.28	2.51	2.74
GENERAL PSYCHOLOGY PRACTICALS	2.35	2.39	2.38	2.35	2.44	2.38	2.35	2.44	2.38	2.35	2.44	2.38
HOUSING FOR BETTER LIVING	2.33	2.56	2.33	2.56	2.79	2.56	2.33	2.79	2.60	2.33	2.33	2.33
HOUSING FOR BETTER LIVING PRACTICALS	2.33	2.80	2.33	2.18	2.80	2.18	2.33	2.80	2.49	2.33	2.33	1.87
SECOND SEMESTER												
ENGLISH	2.54	-	-	-	2.31	-	-	2.54	-	2.31	2.31	-
SANSKRIT	2.56	-	-	-	2.33	-	-	2.56	-	2.33	2.33	-
TELUGU	-	-	-	-	2.34	-	-	2.58	-	2.34	2.10	-
LIFE SKILLS COURSE	2.60	-	-	-	2.36	-	-	2.60	-	2.36	2.36	-
FRUITS AND VEGETABLES PRESERVATION	2.58	-	-	-	2.35	-	-	2.58	-	2.35	2.35	-
DAIRY TECHNOLOGY	2.61	-	-	-	2.38	-	-	2.61	-	2.38	2.38	-
INTRODUCTION TO FOOD SCIENCE	2.33	2.57	2.33	2.57	2.80	2.33	2.57	2.57	2.57	2.33	2.57	2.80
INTRODUCTION TO FOOD SCIENCE PRACTICALS	2.37	2.84	2.37	2.52	2.84	2.20	2.37	2.84	2.52	2.37	2.37	2.37
FUNDAMENTALS OF TEXTILES	2.33	2.33	2.17	2.55	2.80	2.33	2.33	2.56	2.56	2.33	2.33	2.33
FUNDAMENTALS OF TEXTILES PRACTICALS	2.35	2.35	2.51	2.51	2.82	2.19	2.35	1.87	2.51	2.35	2.35	1.88
FUNDAMENTALS	2.36	2.60	2.36	2.60	2.83	2.36	2.60	2.60	2.60	2.36	2.60	2.83

OF EXTENSION EDUCATION												
FUNDAMENTALS OF EXTENSION EDUCATION PRACTICALS	2.34	2.34	2.50	2.50	2.81	2.18	2.34	1.87	2.50	2.34	2.34	1.87
THIRD SEMESTER												
ENGLISH	2.53	-	-	-	2.3	-	-	2.53	-	2.07	2.3	-
SANSKRIT	2.14	-	-	-	2.37	-	-	2.14	-	2.61	2.37	-
TELUGU	1.85	-	-	-	2.32	-	-	2.55	-	2.32	2.09	-
ENVIRONMENT EDUCATION	2.38	-	-	-	2.61	-	-	2.13	-	2.61	2.14	-
HEALTH AND HYGIENE	2.34	-	-	-	2.34	-	-	2.11	-	2.57	1.87	-
POULTRY FARMING	2.38	-	-	-	2.61	-	-	2.13	-	2.61	2.14	-
COMMUNNITY NUTRITION	2.57	2.57	2.57	2.43	2.57	2.57	2.80	2.57	2.57	2.43	2.33	2.33
COMMUNITY NUTRITION PRACTICALS	2.85	2.85	2.38	2.54	2.85	2.21	2.38	2.85	2.54	2.38	2.38	2.85
PRINCIPLES OF GARMENT CONSTRUCTION	2.59	2.59	2.59	2.52	2.59	2.83	2.59	2.36	2.59	2.36	2.59	2.12
PRINCIPLES OF GARMENT CONSTRUCTION PRACTICALS	2.52	2.83	1.89	2.52	2.20	2.52	2.20	1.89	2.52	2.80	1.89	-
CHILD DEVELOPMENT	2.58	2.58	2.58	2.50	2.58	2.82	2.58	2.35	2.58	2.35	2.58	2.11
CHILD DEVELOPMENT PRACTICALS	2.38	2.61	2.38	2.21	2.85	2.21	2.38	2.85	2.54	2.38	2.38	2.85
FOURTH SEMESTER												
THERAPEUTIC NUTRITION	2.32	2.55	2.55	2.55	2.78	2.55	2.59	2.78	2.55	2.59	2.55	2.59
THERAPEUTIC NUTRITION PRACTICALS	2.86	2.86	2.54	2.62	2.86	2.38	2.62	2.54	2.38	2.62	2.54	2.86
FABRIC CONSTRUCTION AND APPERL DESIGNING	2.45	2.64	2.59	2.59	2.59	2.59	2.64	2.83	2.59	2.59	2.64	2.59
FABRIC CONSTRUCTION AND APPERL DESIGNING PRACTICALS	2.57	2.64	2.57	2.64	2.40	2.40	2.57	2.57	2.64	2.57	2.57	2.57
HUMAN DEVELOPMENT AND FAMILY DYNAMICS	2.44	2.56	2.82	2.58	2.82	2.35	2.58	2.82	2.58	2.35	2.58	2.82
HUMAN DEVELOPMENT AND FAMILY	2.53	2.85	2.53	2.61	2.61	2.37	2.53	2.85	2.37	2.53	2.53	2.85

DYNAMICS PRATICALS												
BIO-CHEMISTRY	2.36	2.60	2.36	2.60	2.84	2.60	2.36	2.84	2.60	2.36	2.36	2.36
BIO-CHEMISTRY PRACTICALS	2.39	2.87	2.39	2.20	2.87	2.23	2.39	2.87	2.55	2.39	2.39	1.91
INTERIOR DESIGN AND DECORATION	2.61	2.61	2.61	2.47	2.37	2.66	2.80	2.37	2.66	2.37	2.61	2.61
INTERIOR DESIGN AND DECORATION PRACTICALS	2.82	2.50	2.50	2.59	2.82	2.35	2.50	2.82	2.59	2.50	2.50	2.82
EXTENSION EDUCATION AND COMMUNITY DEVELOPMENT	2.48	2.48	2.48	2.62	2.62	2.62	2.48	2.38	2.67	2.62	2.62	2.48
EXTENSION EDUCATION AND COMMUNITY DEVELOPMENT PRACTICALS	2.57	2.89	2.57	2.64	2.64	2.41	2.57	2.89	2.41	2.57	2.57	2.89
FIFTH SEMESTER												
FOOD AND BEVERAGE PRODUCTION	2.41	2.55	2.55	2.78	2.32	2.32	2.55	2.55	2.78	2.32	2.78	2.78
FOOD AND BEVERAGE PRODUCTION PRACTICALS	2.83	2.52	2.35	2.30	2.83	2.52	2.19	2.83	2.35	2.59	2.52	2.83
FOOD AND BEVERAGE SERVICE	2.44	2.58	2.58	2.82	2.35	2.35	2.58	2.58	2.82	2.35	2.82	2.82
FOOD AND BEVERAGE SERVICE PRACTICALS	2.80	2.49	2.33	2.33	2.80	2.49	2.14	2.80	2.33	2.56	2.49	2.80
METHODS AND MATERIALS FOR PRE-SCHOOL EDUCATION	2.55	2.55	2.78	2.62	2.32	2.55	2.41	2.55	2.55	2.55	2.41	2.55
METHODS AND MATERIALS FOR PRE-SCHOOL EDUCATION PRACTICAL	2.59	2.52	2.83	2.52	2.52	2.52	2.52	2.59	2.52	2.59	2.52	2.83
IEC MATERIALS FOR COMMUNITY DEVELOPMENT	2.47	2.66	2.61	2.61	2.61	2.61	2.66	2.85	2.61	2.61	2.66	2.61
IEC MATERIALS FOR COMMUNITY DEVELOPMENT PRACTICAL	2.80	2.78	2.49	2.56	2.56	2.33	2.49	2.49	2.55	2.49	2.49	2.49
FAMILY RESOURCE	2.85	2.61	2.61	2.85	2.47	2.66	2.61	2.61	2.47	2.66	2.61	2.66

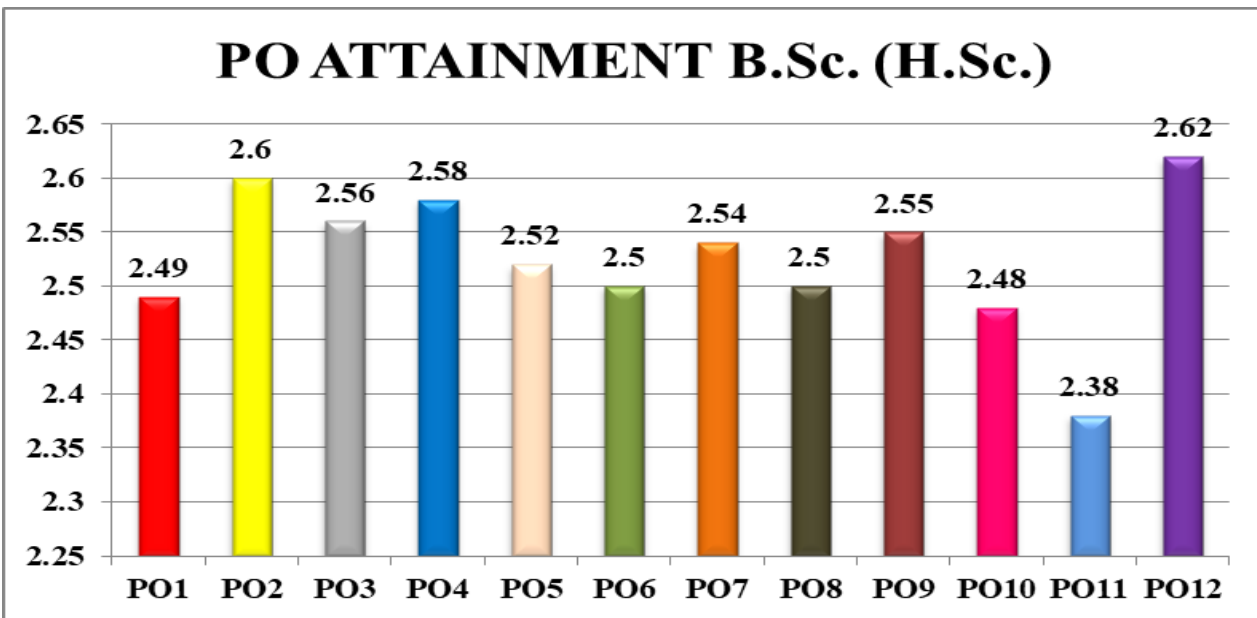
MANAGEMENT												
FAMILY RESOURCE MANAGEMENT PRACTICAL	2.49	2.49	2.49	2.49	2.56	2.55	2.49	2.49	2.80	2.49	2.49	2.49
TEXTILE DESIGN	2.56	2.56	2.56	2.56	2.41	2.56	2.59	2.56	2.56	2.56	2.33	2.56
TEXTILE DESIGN PRACTICAL	2.60	2.53	2.53	2.53	2.53	2.84	2.53	2.60	2.53	2.53	2.60	2.53
SIXTH SEMESTER												
LONG TERM INTERNSHIP	2.32	2.55	2.55	2.55	2.55	2.55	2.79	2.55	2.55	2.32	2.55	2.23
AVG	2.50	2.63	2.52	2.55	2.59	2.50	2.52	2.55	2.56	2.43	2.41	2.61

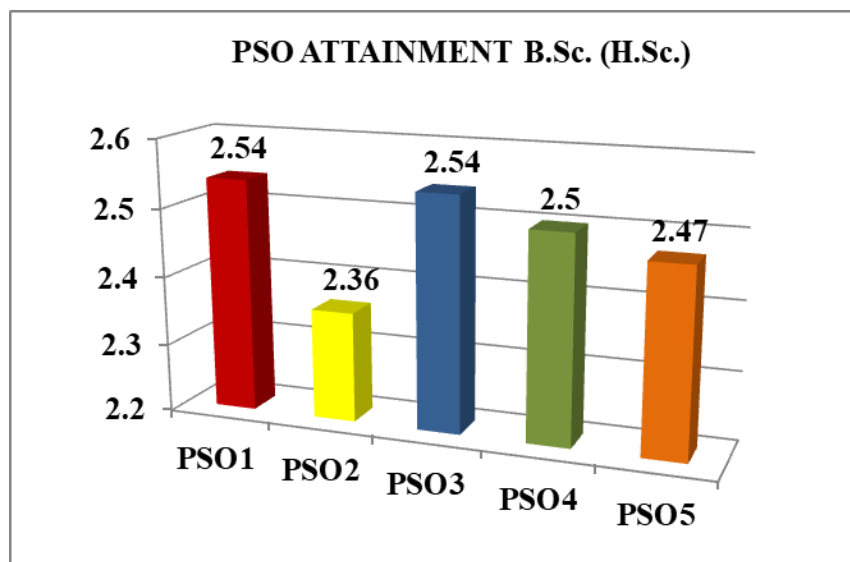
Course code	PSO1	PSO2	PSO3	PSO4	PSO5
FIRST SEMESTER					
ENGLISH	-	2.36	-	2.60	-
TELUGU	-	-	-	2.37	2.37
SANSKRIT	-	-	-	2.60	2.13
HUMAN VALUES AND ETHICS	-	2.33	-	2.56	-
PLANT NURSERY	-	2.33	-	2.57	-
BASIC NUTRITION	1.86	2.09	2.18	2.09	1.86
BASIC NUTRITION PRACTICALS	2.35	2.12	2.59	2.51	2.35
GENERAL PSYCHOLOGY	2.28	2.28	2.51	2.51	2.51
GENERAL PSYCHOLOGY PRACTICALS	2.38	2.38	2.54	2.54	2.38
HOUSING FOR BETTER LIVING	2.33	2.56	2.56	2.56	2.33
HOUSING FOR BETTER LIVING PRACTICALS	2.33	1.87	2.49	1.87	2.33
SECOND SEMESTER					
ENGLISH	-	2.31	2.08	2.54	2.42
SANSKRIT	-	2.33	2.10	2.56	2.48
TELUGU	-	2.34	-	2.34	2.34
LIFE SKILLS COURSE	-	2.36	2.13	2.60	2.60
FRUITS AND VEGETABLES PRESERVATION	-	2.35	2.11	2.58	2.58
DAIRY TECHNOLOGY	-	2.38	2.13	2.61	2.61
INTRODUCTION TO FOOD SCIENCE	2.33	2.33	2.57	2.57	2.45
INTRODUCTION	2.37	1.89	2.52	2.52	2.37

TO FOOD SCIENCE PRACTICALS					
FUNDAMENTALS OF TEXTILES	2.33	2.33	2.56	2.56	2.56
FUNDAMENTALS OF TEXTILES PRACTICALS	2.35	1.88	2.51	2.51	2.82
FUNDAMENTALS OF EXTENSION EDUCATION	2.36	2.36	2.60	2.60	2.60
FUNDAMENTALS OF EXTENSION EDUCATION PRACTICALS	2.34	1.87	2.50	2.50	2.81
THIRD SEMESTER					
ENGLISH	-	2.30	2.07	2.53	2.07
SANSKRIT	-	1.90	2.61	2.61	2.14
TELUGU	-	2.32	2.09	2.32	2.32
ENVIRONMENT EDUCATION	-	2.37	2.13	2.61	1.90
HEALTH AND HYGIENE	-	2.34	2.11	2.57	2.11
POULTRY FARMING	-	2.37	2.13	2.61	1.90
COMMUNITY NUTRITION	2.57	2.33	2.54	2.54	2.33
COMMUNITY NUTRITION PRACTICALS	2.38	2.38	2.54	2.54	2.38
PRINCIPLES OF GARMENT CONSTRUCTION	2.59	2.36	2.83	2.59	2.36
PRINCIPLES OF GARMENT CONSTRUCTION PRACTICALS	2.52	1.89	2.52	2.52	2.80
CHILD DEVELOPMENT	2.58	2.35	2.82	2.58	2.35
CHILD DEVELOPMENT PRACTICALS	2.38	1.90	2.54	1.90	2.61
FOURTH SEMESTER					
THERAPEUTIC NUTRITION	2.59	2.55	2.55	2.41	2.78
THERAPEUTIC NUTRITION PRACTICALS	2.62	2.54	2.86	2.62	2.86
FABRIC CONSTRUCTION AND APPERL DESIGNING	2.59	2.59	2.59	2.59	2.59
FABRIC CONSTRUCTION AND APPERL	2.64	2.57	2.64	2.64	2.57

DESIGNING PRACTICALS					
HUMAN DEVELOPMENT AND FAMILY DYNAMICS	2.82	2.82	2.63	2.44	2.58
HUMAN DEVELOPMENT AND FAMILY DYNAMICS PRATICALS	2.53	2.53	2.61	2.61	2.53
BIO-CHEMISTRY	2.36	2.60	2.60	2.60	2.36
BIO-CHEMISTRY PRACTICALS	2.39	1.91	2.55	1.91	2.39
INTERIOR DESIGN AND DECORATION	2.16	2.47	2.66	2.61	2.37
INTERIOR DESIGN AND DECORATION PRACTICALS	2.50	2.50	2.59	2.59	2.50
EXTENSION EDUCATION AND COMMUNITY DEVELOPMENT	2.48	2.38	2.67	2.67	2.86
EXTENSION EDUCATION AND COMMUNITY DEVELOPMENT PRACTICALS	2.57	2.57	2.64	2.64	2.57
FIFTH SEMESTER					
FOOD AND BEVERAGE PRODUCTION	2.55	2.55	2.78	2.32	2.55
FOOD AND BEVERAGE PRODUCTION PRACTICALS	2.59	2.35	2.83	2.35	2.59
FOOD AND BEVERAGE SERVICE	2.58	2.58	2.82	2.35	2.58
FOOD AND BEVERAGE SERVICE PRACTICALS	2.56	2.33	2.80	2.33	2.56
METHODS AND MATERIALS FOR PRE-SCHOOL EDUCATION	2.55	2.55	2.59	2.55	2.41
METHODS AND MATERIALS FOR PRE-SCHOOL EDUCATION PRACTICAL	2.83	2.52	2.59	2.36	2.52
IEC MATERIALS	2.61	2.61	2.61	2.61	2.61

FOR COMMUNITY DEVELOPMENT					
IEC MATERIALS FOR COMMUNITY DEVELOPMENT PRACTICAL	2.49	2.49	2.56	2.56	2.49
FAMILY RESOURCE MANAGEMENT	2.66	2.61	2.66	2.85	2.85
FAMILY RESOURCE MANAGEMENT PRACTICAL	2.49	2.49	2.49	2.49	2.49
TEXTILE DESIGN	2.59	2.56	2.59	2.56	2.56
TEXTILE DESIGN PRACTICAL	2.37	2.53	2.60	2.53	2.60
SIXTH SEMESTER					
LONG TERM INTERNSHIP	2.55	2.79	2.55	2.32	2.55
AVG	2.54	2.36	2.54	2.50	2.47





Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey.

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (Home Science)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BSc (Home Science) at SPW	
2.	Ability acquired to apply knowledge of Nutrition, Textiles, Family Resource Management, Human Development, and Extension Education in real time for the development of human value.	
3.	Competence developed to analyze and interpret interdisciplinary subject knowledge& skills to develop personally and professionally.	
4.	Impart vast knowledge about Food, Nutrition & Health status, Enhance skills in management of resources like Time, Energy and Money.	

	Develop good Interpersonal relationship within a family & in a community	
5.	Responsibility level acquired to develop workelucidationsfor sustainable development, Socio-economically, ethically	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve current issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q2, Q3, Q4	Q2, Q6	Q4, Q7	Q4, Q5	Q2, Q5, Q6	Q4, Q7, Q9	Q2, Q4, Q6	Q3, Q6 Q7	Q3, Q5, Q7	Q4, Q7	Q5, Q7	Q4, Q6, Q8

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3, Q4	Q4, Q5, Q6, Q8	Q3, Q4, Q7, Q8	Q3, Q4,Q7	Q5, Q6, Q7

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (Home Science).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the professional& entrepreneurial needs	

2.	Your ability to apply knowledge and skill to enhance the desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and entrepreneurial skills necessary to progress personally & professionally.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on Interdisciplinary & multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern approaches and practices.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Home Sciences subjects with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3, Q5	Q3	Q5	Q5	Q5, Q10	Q8, Q10	Q10	Q8	Q6	Q5, Q6, Q8	Q7

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8	Q2, Q7, Q8	Q6, Q9, Q10

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	Indirect PO Attainment																
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO1 2	PS O1	PSO2	PSO 3	PS O4	PS O5
Graduate Exit Survey	3	2	2	2	2	3	1	3	1	2	2	2	2	3	3	2	1
Employer survey	2	2	2	1	2	2	2	3	2	1	3	2	3	3	3	1	3
Alumni Survey	3	2	3	2	2	2	3	2	3	2	2	3	2	2	3	2	3
Indirect Attainment	2.67	2.0	2.33	1.67	2.0	2.33	2.0	2.67	2.0	1.67	2.33	2.33	2.33	2.67	3.0	1.67	2.33

Overall Attainment of PO;

Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

Where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

PO ATTAINMENT																	
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO12	PSO 1	PSO2	PSO 3	PSO 4	PSO 5
Direct	2.44	2.37	2.51	2.47	2.49	2.45	2.46	2.46	2.52	2.37	2.34	2.55	2.54	2.37	2.51	2.46	2.42
Indirect	2.67	2.0	2.33	1.67	2.0	2.33	2.0	2.67	2.0	1.67	2.33	2.33	2.33	2.67	3.0	1.67	2.33
80% Direct	1.95	1.9	2.01	1.98	1.99	1.96	1.97	1.97	2.02	1.9	1.87	2.04	2.03	1.89	2.01	1.97	1.94
20% Indirect	0.53	0.4	0.47	0.33	0.4	0.47	0.04	0.54	0.4	0.34	0.47	0.47	0.47	0.53	0.6	0.33	0.47
Po attainment	2.48	2.29	2.47	2.31	2.39	2.79	2.01	2.50	2.42	2.23	2.34	2.51	2.49	2.42	2.61	2.31	2.41

SRI PADMAVATHI WOMENS DEGREE & PG COLLEGE, TIRUPATI

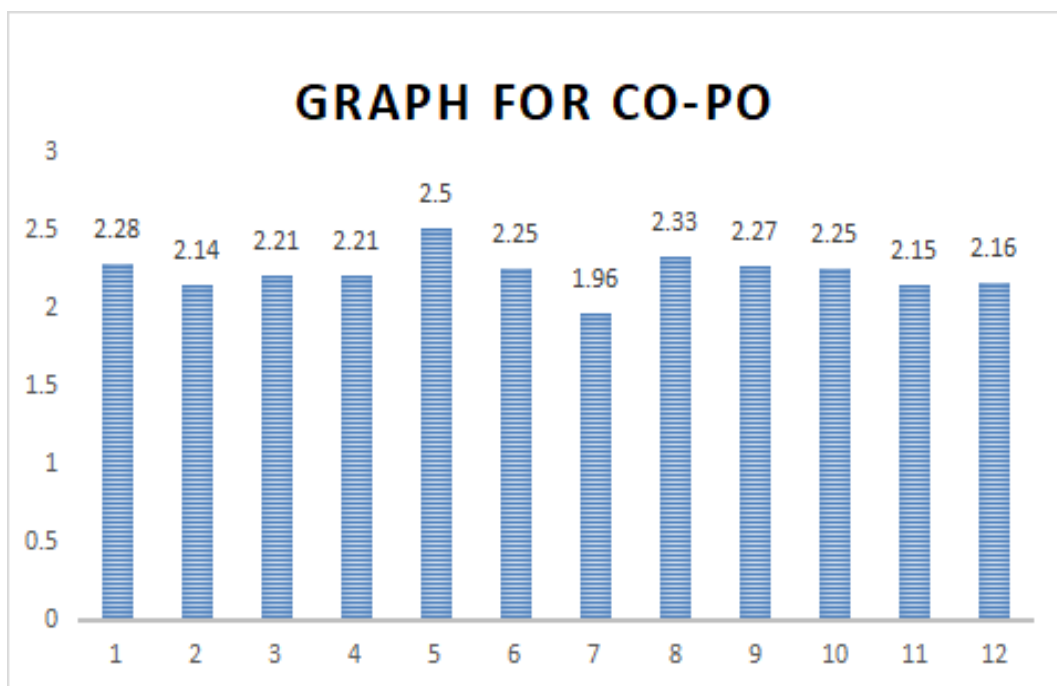
BSc (MPC) 2020 - 23

Overall CO-PO-PSO attainment for BSc (MPC)

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
First semester												
ENGLISH	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
TELUGU	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
SANSKRIT	-	-	-	-	2.5	-	-	2.25	-	2.75	2.5	-
HUMAN VALUES	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
FELECTRICAL APPLIANCES	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
MATHS	2.5	2.5	2.5	2.5	-	2.75	2.5	-	-	-	2.25	-
PHYSICS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	1.75	2.5
PHYSICS PRATICAL	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	1.75	2.5
CHEMISTRY	2.25	2	2.25	2.25	3	2.25	2	2.75	2.25	2.25	2.5	-
CHEMISTRY PRATICAL	2.25	2	2.25	2.25	3	2.25	2	2.75	2.25	2.25	2.5	-
Second semester												
ENGLISH	2.75	-	-	-	2.5	-	-	2.75	-	2	2.5	-
SANSKRIT	2.75	-	-	-	2.5	-	-	2.75	-	2	2.5	-
TELUGU	-	-	-	-	2.5	-	-	2.75	-	2.25	2.25	-
ELEMENTARY STATISTICS	2.75	-	-	-	2.5	-	-	2.75	-	2.25	2.5	-
FOOD ADULTRATION	2.75	-	-	-	2.5	-	-	2.75	-	2	2.5	-
MATHS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	1.75	2.5
PHYSICS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2.25	1.75	2.5
PHYSICS PRATICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.25	2.25	2.25

CHEMISTRY	2.25	2	2.25	2.25	3	2.25	2	2.75	2.25	2.25	2.5	-
CHEMISTRY PRATICAL	1.75	2	-	2.25	2.25	2.25	2.25	2	2.75	2	-	-
Third semester												
ENGLISH	2.55	-	-	-	2.32	-	-	2.55	-	2.09	2.32	-
SANSKRIT	2.05	-	-	-	2.28	-	-	2.05	-	2.51	2.28	-
TELUGU	1.87	-	-	-	2.34	-	-	2.51	-	2.34	2.10	-
FOUNDATION COURSE -EP	2.29	-	-	-	2.29	-	-	2.06	-	2.52	1.83	-
ENVIRONMENTAL AUDIT	2.54	-	-	-	2.54	-	-	2.07	-	2.54	2.31	-
ANATICAL SKILLS	2.53	-	-	-	2.30	-	-	2.53	-	2.30	2.30	-
MATHS	2.29	2.29	2.29	2.29	2.06	2.52	2.29	1.83	2.52	2.06	2.06	2.06
PHYSICS	2.32	2.32	2.08	2.32	2.55	2.08	1.85	2.08	2.32	1.85	2.08	2.32
PHYSICS PRACTICAL	1.85	2.31	2.54	1.85	2.31	2.54	1.85	2.08	2.31	2.31	2.08	2.08
CHEMISTRY	2.07	1.84	2.07	2.07	2.77	2.07	1.84	2.53	2.07	2.07	2.30	2.07
CHEMISTRY PRACTICAL	1.61	1.84	2.07	2.07	2.07	2.07	2.07	1.84	2.53	1.84	2.07	2.07
Fourth Semester												
CHEMISTRY PAPER4(1)	2.08	1.85	2.08	2.08	2.31	2.08	1.85	2.54	2.08	2.08	2.31	1.85
CHEMISTRY PAPER4(2)	2.08	1.85	2.08	2.08	2.31	2.08	1.85	2.54	2.08	2.08	2.31	1.85
CHEMISTRY PRACTICAL(1)	2.09	1.86	2.09	2.09	2.79	2.09	1.86	2.56	2.09	2.09	2.33	2.33
CHEMISTRY PRACTICAL(2)	2.09	1.86	2.09	2.09	2.79	2.09	1.86	2.56	2.09	2.09	2.33	2.33
MATHS PAPER	2.29	2.29	2.29	2.29	2.29	2.52	2.29	2.52	2.29	2.29	2.06	2.06
MATHS P4(ANALYSIS)	2.29	2.29	2.29	2.29	2.29	2.52	2.29	2.52	2.29	2.29	2.06	2.06
PHYSICS PAPER	2.29	2.29	2.06	2.29	2.52	2.06	1.83	2.06	2.29	1.83	1.83	2.29

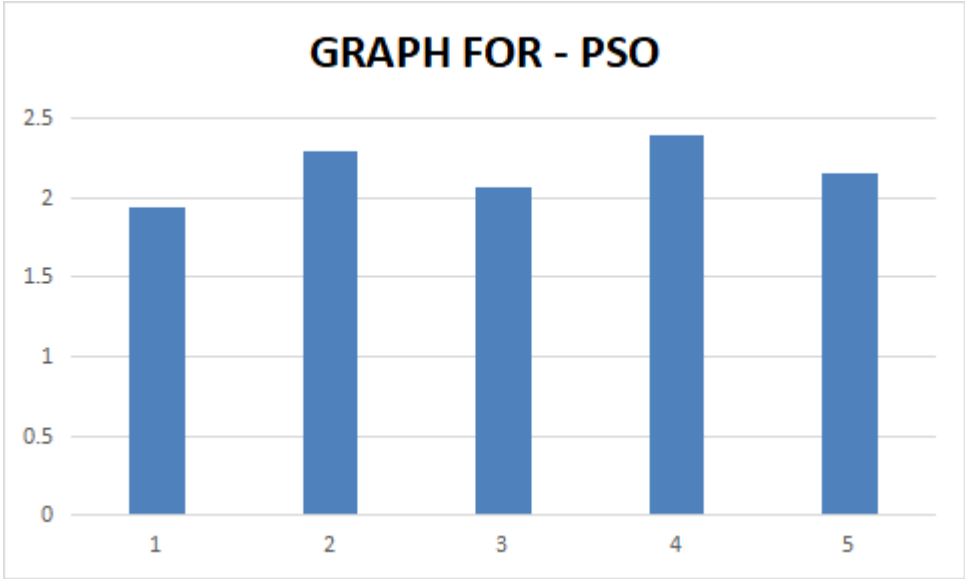
4(1)												
PHYSICS PAPER4(2)	2.29	2.29	2.06	2.29	2.52	2.06	1.83	2.06	2.29	1.83	1.83	2.29
PHYSICS PRACTICAL(1)	2.3	2.3	2.07	2.3	2.53	2.07	1.84	2.07	2.3	1.84	1.61	2.3
PHYSICS PRACTICAL(2)	2.3	2.3	2.07	2.3	2.53	2.07	1.84	2.07	2.3	1.84	1.61	2.3
Fifth Semester												
MATHS - VI	2.29	2.29	2.29	2.29	2.52	2.52	2.29	1.83	2.08	2.29	2.06	1.83
MATHS – VII	2.29	2.29	2.06	2.29	2.52	2.06	1.83	2.06	2.08	1.83	1.60	2.29
PHYSICS - VI	2.29	2.29	2.06	2.29	2.53	2.06	1.83	2.06	2.09	1.83	2.29	2.29
PHYSICS - VI PRACTICAL	1.84	2.3	2.52	1.84	2.3	2.52	1.84	2.07	2.09	2.3	2.07	2.07
PHYSICS – VII	1.82	2.275	2.50	1.82	2.275	2.50	1.82	2.05	2.29	2.275	2.05	2.05
PHYSICS - VII PRACTICAL	1.83	2.275	2.5	1.82	2.275	2.5	1.82	2.05	2.29	2.275	2.05	2.05
CHEMISTRY - VI	2.07	1.83	2.07	2.07	2.75	2.07	1.83	2.51	2.29	2.07	2.29	2.29
CHEMISTRY - VI PRACTICAL	2.3	2.3	2.066	2.3	2.52	2.066	1.836	2.066	2.29	1.836	2.066	2.3
CHEMISTRY – VII	2.27	2.27	2.05	2.27	2.50	2.05	1.82	2.05	2.3	1.82	2.05	2.27
CHEMISTRY - VII PRACTICAL	2.29	2.29	2.06	2.29	2.52	2.06	1.83	2.06	2.3	1.83	2.06	2.29
Average	2.28	2.14	2.21	2.21	2.5	2.25	1.96	2.33	2.27	2.25	2.15	2.16



Course code	PSO1	PSO2	PSO3	PSO4	PSO5
First semester					
ENGLISH	-	2.5	-	2.75	-
TELEGU	-	-	-	2.5	2.5
SANSKRIT	-	-	-	2.75	2.25
HUMAN VALUES	-	2.5	-	2.75	-
ELECTRICAL APPLIANCES	-	2.5	-	2.75	-
MATHS	2.25	2.75	-	-	2.5
PHYSICS	2	2.5	2	2.75	2.25
PHYSICS (PRATICAL)	2	2.5	2	2.75	2.25
CHEMISTRY	2	2.25	2.5	2.25	2
CHEMISTRY (PRATICAL)	2	2.25	2.5	2.25	2
Second semester					

CHEMISTRY PAPER 4	1.85	2.08	2.31	2.08	1.85	
CHEMISTRY PAPER 5	1.85	2.08	2.31	2.08	1.85	
CHEMISTRY PRACTICAL 1	1.86	2.09	2.33	2.09	1.86	
CHEMISTRY PRACTICAL 2	1.85	2.08	2.31	2.08	1.85	2
MATHS P(LINEAR ALGEBRA)	2.06	2.52	2.06	2.52	2.29	
MATHS PAPER 4	2.06	2.52	2.06	2.52	2.29	
PHYSICS PAPER 4(1)	1.83	2.29	1.83	2.52	2.06	
PHYSICS PAPER4(2)	1.83	2.29	1.83	2.52	2.06	
PHYSICS PRACTICAL(1)	1.84	2.3	1.84	2.53	2.07	
PHYSICS PRACTICAL(2)	1.84	2.3	1.84	2.53	2.07	
Fifth Semester						
MATHS - VI	2.06	2.52	2.29	1.83	2.29	
MATHS - VII	1.83	2.29	1.83	2.52	2.06	
PHYSICS- VI	1.83	2.29	1.83	2.53	2.06	
PHYSICS - VI (PRACTICAL)	2.07	2.07	1.84	2.07	2.07	
PHYSICS - VII	2.05	2.05	1.82	2.05	2.05	
PHYSICS - VII (PRACTICAL)	2.05	1.83	2.05	2.05	2.05	
CHEMISTRY-VI	1.83	2.07	2.29	2.07	1.83	
CHEMISTRY-VI PRACTICAL	1.84	2.3	1.84	2.53	2.06	
CHEMISTRY -	1.82	2.27	1.82	2.50	2.05	

VII					
CHEMISTRY - VII PRACTICAL	1.83	2.29	1.83	2.52	2.06
AVG	1.94	2.29	2.07	2.39	2.15



Program level course-PSO matrix of all courses including first year courses By Direct Method:**Indirect Assessment Tools and Process:**

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:**(i) Questionnaire Format**

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MPC)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BSc (MPC) at SPW	
2.	Ability acquired to apply knowledge of Mathematics, Statistics and Computer science in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	
5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3	Q3, Q4	Q4, Q5	Q5	Q6, Q9	Q6	Q6	Q7	Q7	Q5, Q7	Q6, Q8

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
------	------	------	------	------	------

Questions	Q3	Q5, Q6, Q8	Q7, Q8	Q3, Q4	Q5, Q6
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2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MPC).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3,	Q3	Q5	Q5	Q5,	Q8,	Q10	Q8	Q6	Q5, Q6,	Q7

		Q5				Q10	Q10				Q8	
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PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8	Q2, Q7, Q8	Q6, Q9, Q10

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	Indirect PO Attainment																
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PS O3	PS O4	PS O5
Graduate Exit Survey	3	2	3	2	1	2	1	3	1	2	2	3	2	3	2	3	1
Employer survey	2	3	2	2	2	3	2	3	3	3	2	3	2	2	2	1	3
Alumni Survey	3	3	2	2	3	2	3	3	2	2	1	3	3	2	2	1	2
Indirect Attainment	2.6	2.6	2.33	2.00	2.00	2.33	2.00	3	2.00	2.33	1.67	3	2.33	2.33	2	1.67	2.00

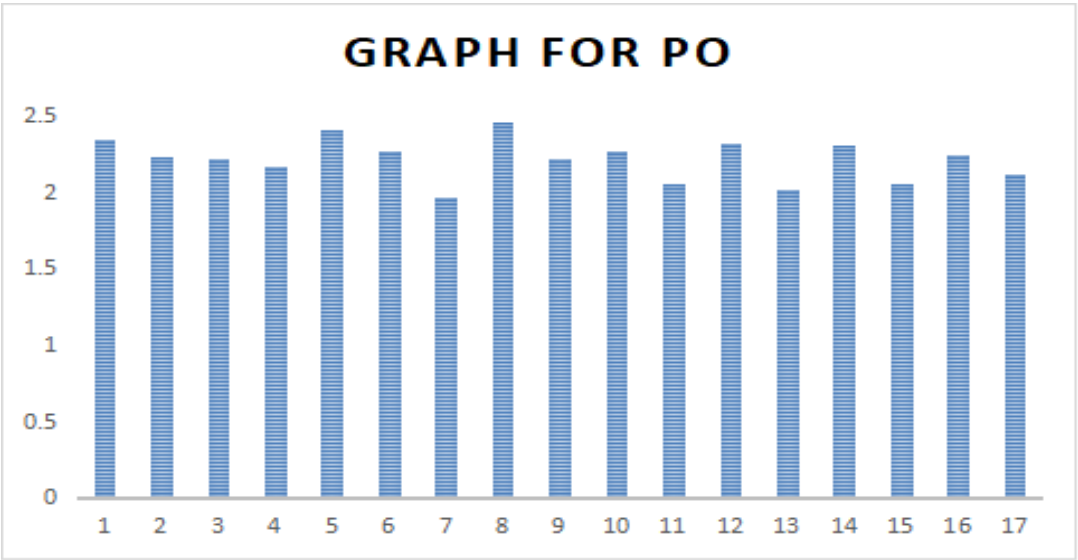
Overall Attainment of PO;

Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

PO ATTAINMENT																	
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
Direct	2.28	2.14	2.21	2.21	2.5	2.25	1.96	2.33	2.27	2.25	2.15	2.16	1.94	2.29	2.07	2.39	2.15
Indirect	2.6	2.6	2.33	2.00	2.00	2.33	2.00	3	2.00	2.33	1.67	3	2.33	2.33	2	1.67	2.00
80% Direct	1.82	1.71	1.76	1.76	2.0	1.8	1.56	1.86	1.81	1.8	1.72	1.72	1.55	1.83	1.65	1.91	1.72
20% Indirect	0.52	0.52	0.46	0.4	0.4	0.46	0.4	0.6	0.4	0.46	0.33	0.6	0.46	0.47	0.4	0.33	0.4
Po attainment	2.34	2.23	2.22	2.16	2.4	2.26	1.96	2.46	2.21	2.26	2.05	2.32	2.01	2.30	2.05	2.24	2.12



SRI PADMAVATHI WOMENS DEGREE COLLEGE, TIRUPATHI
B.COM (CA)
Overall CO-PO-PSO Attainment for B.COM (CA) -2022-23

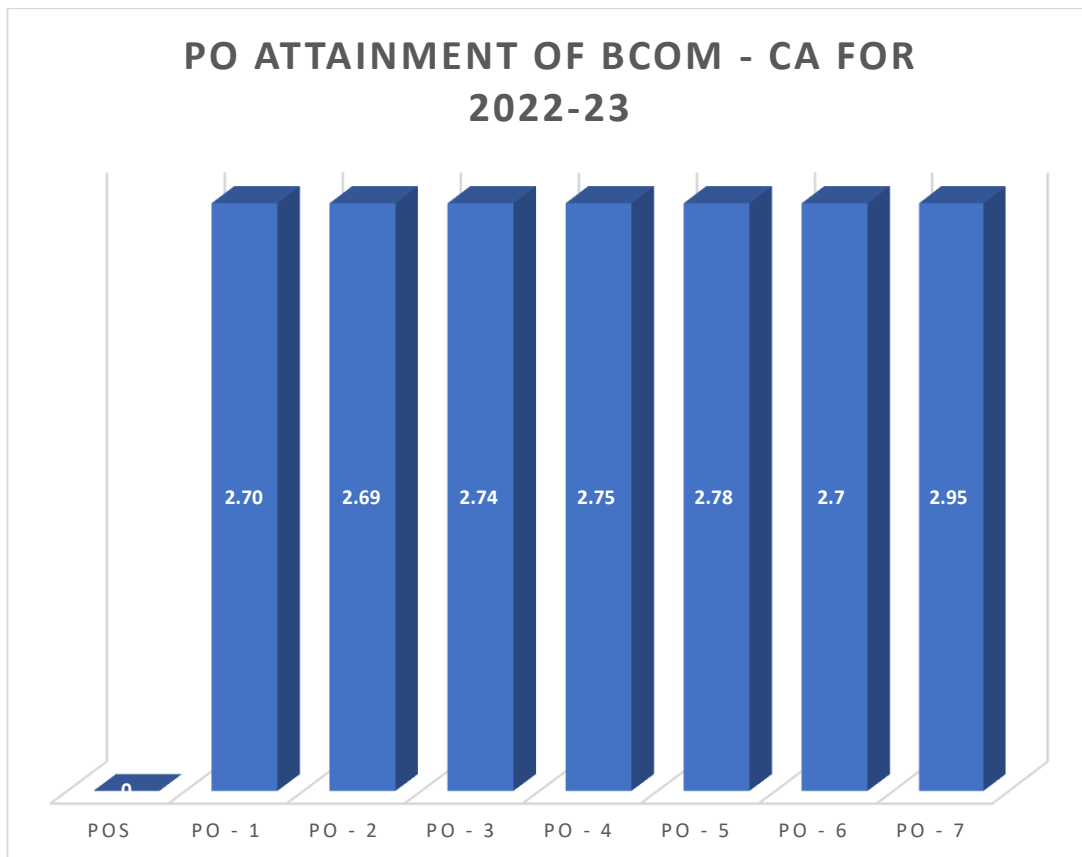
Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7
I SEMESTER							
GENERAL ENGLISH	2.75	-	-	-	2.50	2.50	-
TELUGU	2.55	2.50	-	-	2.55	-	-
SANSKRIT	2.50	2.50	-	-	2.50	-	-
HINDI	2.75	2.50	2.75	2.75	2.55	2.55	-
ENTREPRENEURSHIP DEVELOPMENT	2.13	1.89	2.13	2.13	2.84	2.13	-
INSURANCE PROMOTION	2.19	1.93	2.18	2.18	2.90	2.18	-
FUNDAMENTALS OF ACCOUNTING	2.80	2.97	2.80	2.80	2.80	2.64	2.80
BUSINESS ORGANIZATION MANAGEMENT	3.00	3.00	3.00	3.00	3.00	3.00	3.00
FUNDAMENTALS OF INFORMATION TECHNOLOGY	3.00	3.00	3.00	3.00	3.00	3.00	3.00
I I SEMESTER							
ENGLISH	-	-	2.75	-	2.50	2.50	-
TELUGU	2.50	-	-	-	2.55	2.50	-
SANSKRIT	2.50	2.50	-	-	2.50	-	-
HINDI	-	-	2.75	2.75	2.75	-	-
INDIAN CULTURE & SCIENCE	2.13	1.90	2.15	2.13	2.85	2.13	-
ADVERTISING	2.15	1.89	2.13	2.15	2.84	2.13	-
BUSINESS COMMUNICATIONS	2.13	1.89	2.15	2.13	2.84	2.13	-
FINANCIAL ACCOUNTING	2.28	2.77	2.77	2.77	2.45	2.45	2.77
BUSINESS ECONOMICS	2.80	2.64	2.64	2.80	2.80	2.64	2.48
E-COMMERCE & WEB DESIGNING	3.00	3.00	3.00	3.00	3.00	3.00	3.00
III SEMESTER							
ENGLISH	2.75	-	2.75	-	-	2.50	-
TELUGU	2.50	-	2.50	-	2.50	-	-
SANSKRIT	-	2.50	2.55	-	2.50	-	-
HINDI	2.75	2.75	-	-	2.75	-	-
HEALTH & HYGIENE	1.89	2.15	2.13	1.89	2.37	2.13	-
ENVIRONMENTAL EDUCATION	1.89	2.37	1.89	2.13	1.89	2.15	-
ONLINE BUSINESS	2.75	2.55	2.75	2.75	2.50	2.50	-
BUSINESS STATISTICS	3.00	3.00	3.00	3.00	3.00	3.00	3.00

PROGRAMMING WITH C & C++	3.00	3.00	3.00	3.00	3.00	3.00	3.00
ADVANCED ACCOUNTING	3.00	3.00	3.00	3.00	3.00	3.00	3.00
IV SEMESTER							
CORPORATE ACCOUNTING	3.00	3.00	3.00	3.00	3.00	3.00	3.00
COST & MANAGEMENT ACCOUNTING	3.00	3.00	3.00	3.00	3.00	3.00	3.00
OBJECT ORIENTED WITH JAVA	3.00	3.00	3.00	3.00	3.00	3.00	3.00
DBMS	3.00	3.00	3.00	3.00	3.00	3.00	3.00
BUSINESS LAWS	3.00	3.00	3.00	3.00	3.00	3.00	3.00
INCOME TAX	3.00	3.00	3.00	3.00	3.00	3.00	3.00
V SEMESTER							
SEMESTER INTERNSHIP							
VI SEMESTER							
LIFE INSURANCE	3.00	3.00	3.00	3.00	3.00	3.00	3.00
GENERAL INSURANCE	3.00	3.00	3.00	3.00	3.00	3.00	3.00
MANAGEMENT ACCOUNTING	3.00	3.00	3.00	3.00	3.00	3.00	3.00
COST CONTROL TECHNIQUES	3.00	3.00	3.00	3.00	3.00	3.00	3.00
DATA SCIENCE USING PYTHON	3.00	3.00	3.00	3.00	3.00	3.00	3.00
BIG DATA ANALYTICS USING R	3.00	3.00	3.00	3.00	3.00	3.00	3.00
TOTAL	102.69	94.20	95.77	85.36	111.23	91.76	62.05
AVERAGE	2.70	2.69	2.74	2.75	2.78	2.70	2.95

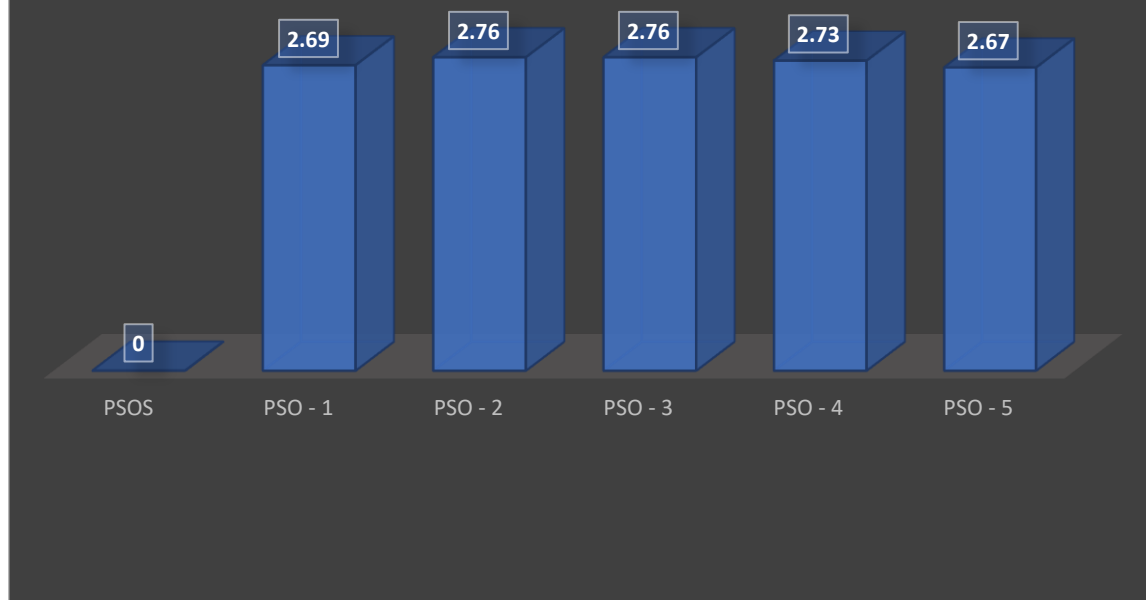
Course code	PSO1	PSO2	PSO3	PSO4	PSO5
I SEMESTER					
GENERAL ENGLISH	-	2.50	-	2.75	2.75
TELUGU	-	-	2.75	2.50	2.50
SANSKRIT	2.75	-	-	2.75	2.25
HINDI	2.75	2.50	2.55	2.75	2.50
ENTREPRENEURSHIP DEVELOPMENT	2.25	2.23	2.75	2.00	2.12
INSURANCE PROMOTION	1.93	2.75	2.19	2.50	2.42
FUNDAMENTALS OF ACCOUNTING	2.80	2.80	2.80	2.97	2.97
BUSINESS ORGANIZATION MANAGEMENT	3.00	3.00	3.00	3.00	3.00
FUNDAMENTALS OF INFORMATION TECHNOLOGY	3.00	3.00	3.00	3.00	3.00

I I SEMESTER					
ENGLISH	-	2.50	2.75	2.75	-
TELUGU	-	-	2.75	2.50	2.50
SANSKRIT	-	-	2.25	2.75	2.25
HINDI	-	2.75	-	2.50	2.75
INDIAN CULTURE & SCIENCE	1.90	2.61	2.13	2.13	2.37
ADVERTISING	1.89	2.60	2.13	2.50	2.13
BUSINESS COMMUNICATIONS	1.89	2.60	2.13	2.13	2.37
FINANCIAL ACCOUNTING	2.45	2.13	2.62	1.96	2.45
BUSINESS ECONOMICS	2.80	2.64	2.31	2.97	1.98
E-COMMERCE & WEB DESIGNING	3.00	3.00	3.00	3.00	3.00
III SEMESTER					
ENGLISH	-	2.50	-	2.75	2.50
TELUGU	-	-	2.75	2.50	2.50
SANSKRIT	2.25	-	-	2.75	2.25
HINDI	-	2.75	-	2.50	2.75
HEALTH & HYGIENE	1.92	2.16	2.40	2.16	1.92
ENVIRONMENTAL EDUCATION	1.82	2.10	2.50	2.13	1.89
ONLINE BUSINESS	2.75	2.50	2.75	2.75	2.55
BUSINESS STATISTICS	3.00	3.00	3.00	3.00	3.00
PROGRAMMING WITH C & C++	3.00	3.00	3.00	3.00	3.00
ADVANCED ACCOUNTING	3.00	3.00	3.00	3.00	3.00
IV SEMESTER					
CORPORATE ACCOUNTING	3.00	3.00	3.00	3.00	3.00
COST & MANAGEMENT ACCOUNTING	3.00	3.00	3.00	3.00	3.00
OBJECT ORIENTED WITH JAVA	3.00	3.00	3.00	3.00	3.00
DBMS	3.00	3.00	3.00	3.00	3.00
BUSINESS LAWS	3.00	3.00	3.00	3.00	3.00
INCOME TAX	3.00	3.00	3.00	3.00	3.00
V SEMESTER					
SEMESTER INTERNSHIP					
VI SEMESTER					

LIFE INSURANCE	3.00	3.00	3.00	3.00	3.00
GENERAL INSURANCE	3.00	3.00	3.00	3.00	3.00
MANAGEMENT ACCOUNTING	3.00	3.00	3.00	3.00	3.00
COST CONTROL TECHNIQUES	3.00	3.00	3.00	3.00	3.00
DATA SCIENCE USING PYTHON	3.00	3.00	3.00	3.00	3.00
BIG DATA ANALYTICS USING R	3.00	3.00	3.00	3.00	3.00
TOTAL	86.15	96.62	96.51	111.95	106.67
AVERAGE	2.69	2.76	2.76	2.73	2.67



PSO ATTAINMENT OF BCOM - CA FOR 2022-23



Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in B Com (CA)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in B Com (CA) at SPW	
2.	Ability acquired to apply knowledge of Accounts, Computer Applications and Communication Skills in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern Hardware tools and techniques for Practical Application.	
5.	Responsibility level acquired to develop Software solutions for sustainable	

	development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO67
Questions	Q2	Q3	Q1, Q4	Q3, Q4	Q6	Q8, Q9	Q1, Q2

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q2	Q4, Q5, Q8	Q7, Q8	Q3, Q4	Q4,Q5

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in B COM (CA).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design Computer system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern Software tools necessary for Computer practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources	

	and modern Software and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Communication issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Questions	Q2	Q1, Q3	Q4	Q5	Q5	Q7, Q8	Q1, Q2, Q5

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3, Q5, Q6	Q4, Q7, Q9	Q4, Q5, Q8	Q2, Q8, Q9	Q8, Q7

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO 4	PSO5
Graduate Exit Survey	3	3	3	3	3	3	2	2	3	3	2	3
Employer survey	2	3	3	2	3	3	2	3	3	2	2	2
Alumni Survey	2	3	3	3	3	2	2	3	2	3	2	2
Indirect Attainment	2.33	3.00	3.00	2.67	3.00	2.67	2.00	2.67	2.67	2.67	2.00	2.33

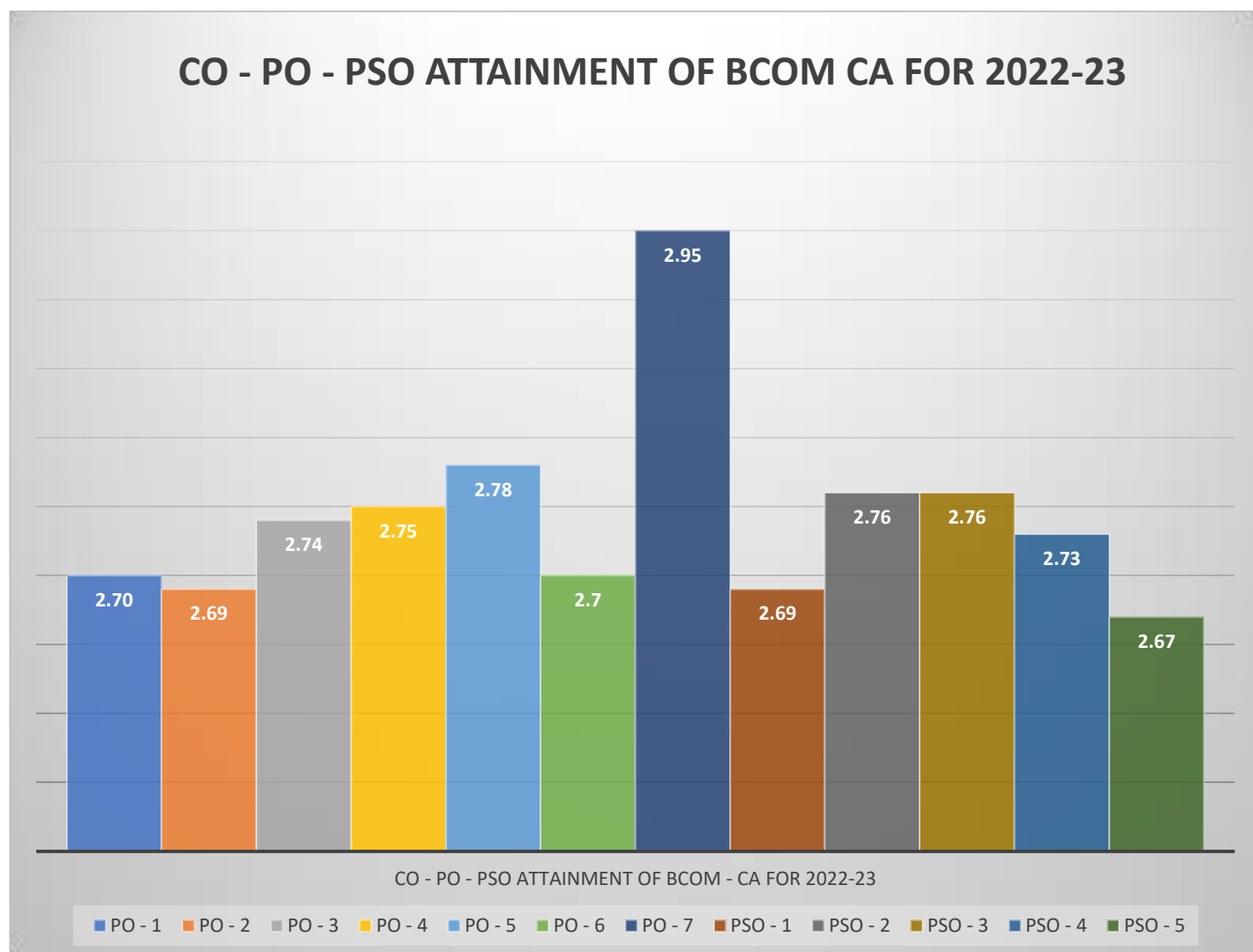
Overall Attainment of PO;

Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where Di – Direct Attainment of each PO Ii – Indirect Attainment of each PO

	PO1	PO2	PO3	PO 4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
Direct	2.70	2.69	2.74	2.75	2.78	2.70	2.95	2.69	2.76	2.76	2.73	2.67
Indirect	2.33	3.00	3.00	2.67	3.00	2.67	2.00	2.67	2.67	2.67	2.00	2.33
80% Direct	2.16	2.15	2.19	2.20	2.22	2.16	2.36	2.15	2.21	2.21	2.18	2.14
20% Indirect	0.47	0.60	0.60	0.53	0.60	0.53	0.40	0.53	0.53	0.53	0.40	0.47
Po attainm ent	2.63	2.75	2.79	2.73	2.82	2.69	2.76	2.68	2.74	2.74	2.58	2.61



SRI PADMAVATHI WOMENS DEGREE COLLEGE, TIRUPATHI
B.COM (GENERAL)
Overall CO-PO-PSO Attainment for B.COM (GENERAL) -2022-23

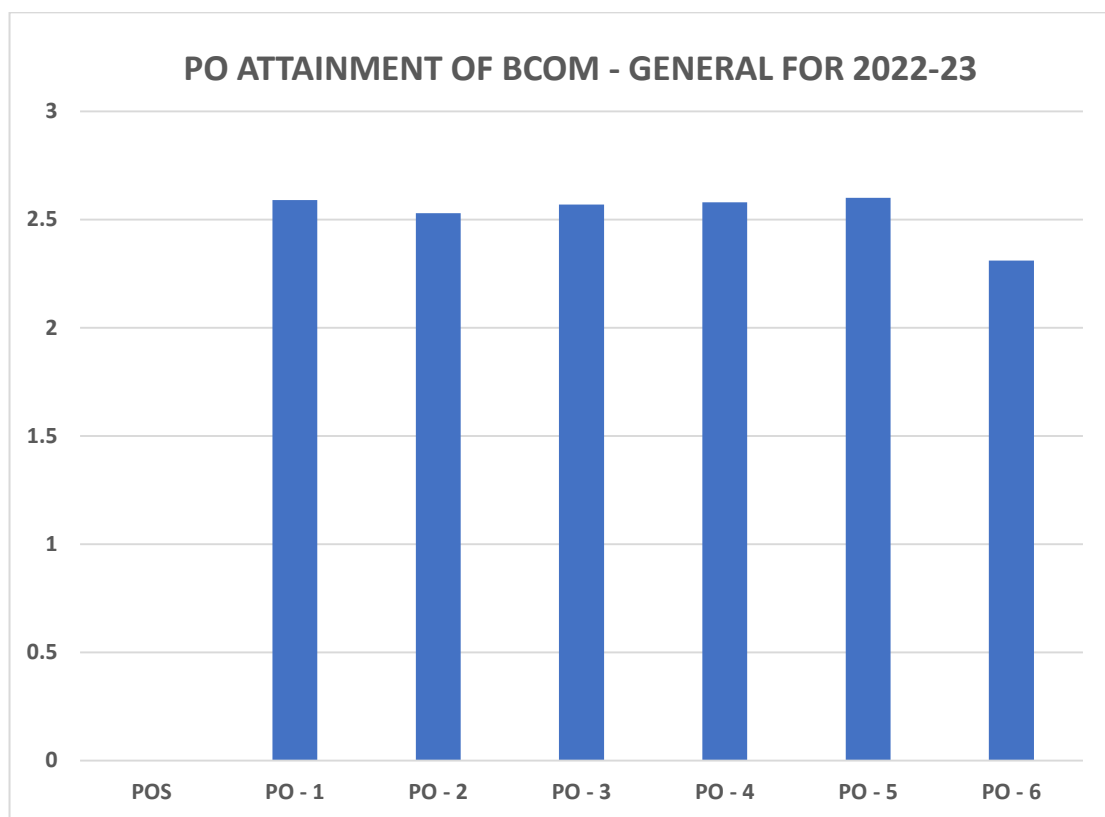
Course code	PO1	PO2	PO3	PO4	PO5	PO6
I SEMESTER						
GENERAL ENGLISH	2.75	-	-	-	2.23	2.50
TELUGU	2.80	2.42	-	-	2.13	-
SANSKRIT	2.85	2.50	-	-	2.50	-
HINDI	2.75	2.40	2.75	2.75	2.16	2.50
ENTREPRENEURSHIP DEVELOPMENT	2.16	1.88	2.18	2.15	2.84	2.18
INSURANCE PROMOTION	2.18	1.95	2.18	2.13	2.90	2.18
FUNDAMENTALS OF ACCOUNTING	2.78	2.56	2.56	2.75	2.78	-
BUSINESS ORGANIZATION MANAGEMENT	2.53	2.92	2.53	2.92	2.53	-
BUSINESS ENVIRONMENT	2.12	2.61	2.28	2.61	2.44	-
II SEMESTER						
ENGLISH	-	-	2.79	-	2.40	2.50
TELUGU	2.40	-	-	-	2.50	2.50
SANSKRIT	2.55	2.50	-	-	2.50	-
HINDI	-	-	2.75	2.75	2.75	-
INDIAN CULTURE & SCIENCE	2.13	1.90	2.15	2.13	2.85	2.13
ADVERTISING	2.15	1.89	2.50	2.13	2.85	2.13
BUSINESS COMMUNICATIONS	2.13	1.89	2.16	2.15	2.85	2.15
FINANCIAL ACCOUNTING	1.85	1.80	1.80	1.85	1.85	-
BUSINESS ECONOMICS	2.26	2.59	2.59	2.43	2.26	-
BANKING THEORY & PRACTICE	1.86	1.91	1.91	1.80	1.80	-
III SEMESTER						
ENGLISH	2.75	-	2.75	-	-	2.50
TELUGU	2.50	-	2.40	-	2.50	-
SANSKRIT	-	2.75	2.50	-	2.50	-
HINDI	2.75	2.75	-	-	2.75	-
HEALTH & HYGIENE	1.89	2.13	2.13	1.89	2.37	2.13
ENVIRONMENTAL EDUCATION	2.40	2.37	1.89	2.13	1.89	2.13
ONLINE BUSINESS	2.75	2.50	2.75	2.75	2.40	2.50
BUSINESS STATISTICS	3.00	3.00	3.00	3.00	3.00	-
MARKETING	2.67	3.00	2.17	3.00	2.50	-

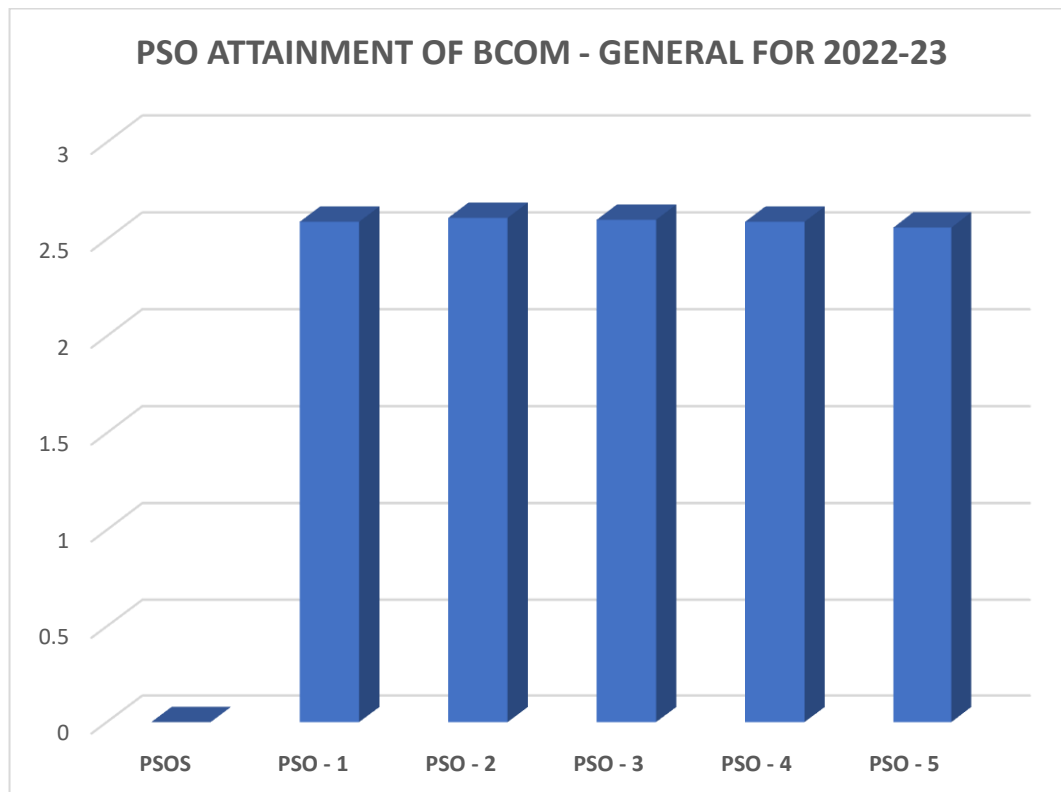
ADVANCED ACCOUNTING	2.60	2.44	2.28	2.28	2.60	-
IV SEMESTER						
CORPORATE ACCOUNTING	2.80	2.48	2.64	2.64	2.64	-
COST & MANAGEMENT ACCOUNTING	2.47	1.97	2.30	2.63	2.30	-
AUDITING	3.00	3.00	3.00	3.00	3.00	-
GOODS & SERVICES TAX	3.00	3.00	3.00	3.00	3.00	-
BUSINESS LAWS	3.00	3.00	3.00	3.00	3.00	-
INCOME TAX	2.46	2.29	2.95	2.13	2.46	-
V SEMESTER						
SEMESTER INTERNSHIP						
VI SEMESTER						
LIFE INSURANCE	3.00	3.00	3.00	3.00	3.00	-
GENERAL INSURANCE	3.00	3.00	3.00	3.00	3.00	-
MANAGEMENT ACCOUNT	3.00	3.00	3.00	3.00	3.00	-
COST CONTROL TECHNIQUES	3.00	3.00	3.00	3.00	3.00	-
DIGITAL MARKETING	3.00	3.00	3.00	3.00	3.00	-
SERVICE MARKETING	3.00	3.00	3.00	3.00	3.00	-
TOTAL	98.29	88.40	89.89	80.00	104.03	30.03
AVERAGE	2.59	2.53	2.57	2.58	2.60	2.31

Course code	PSO1	PSO2	PSO3	PSO4	PSO5
I SEMESTER					
GENERAL ENGLISH	-	2.55	-	2.75	2.75
TELUGU	-	-	2.75	2.50	2.50
SANSKRIT	2.75	-	-	2.75	2.25
HINDI	2.8	2.80	2.50	2.75	2.50
ENTREPRENEURSHIP DEVELOPMENT	2.50	2.23	2.75	2.00	2.15
INSURANCE PROMOTION	1.93	2.66	2.19	2.18	2.42

FUNDAMENTALS OF ACCOUNTING	2.56	2.36	2.16	2.56	2.29
BUSINESS ORGANIZATION MANAGEMENT	2.75	2.92	2.75	2.75	2.59
BUSINESS ENVIRONMENT	2.44	2.76	1.95	2.44	2.28
I I SEMESTER					
ENGLISH	-	2.50	2.8	2.75	-
TELUGU	-	-	2.75	2.50	2.50
SANSKRIT	-	-	2.5	2.75	2.25
HINDI	-	2.75	-	2.50	2.75
INDIAN CULTURE & SCIENCE	1.90	2.65	2.13	2.13	2.37
ADVERTISING	1.90	2.60	2.15	2.37	2.13
BUSINESS COMMUNICATIONS	1.90	2.60	2.15	2.13	2.37
FINANCIAL ACCOUNTING	1.85	1.85	1.80	1.85	1.80
BUSINESS ECONOMICS	2.26	2.10	2.26	2.26	2.43
BANKING THEORY & PRACTICE	1.97	1.86	1.80	1.69	1.91
III SEMESTER					
ENGLISH	-	2.50	-	2.75	2.50
TELUGU	-	-	2.75	2.50	2.50
SANSKRIT	2.25	-	-	2.75	2.25
HINDI	-	2.75	-	2.50	2.75
HEALTH & HYGIENE	1.92	2.16	2.40	2.15	1.92
ENVIRONMENTAL EDUCATION	1.85	2.15	2.37	2.15	1.89
ONLINE BUSINESS	2.75	2.50	2.75	2.75	2.50
BUSINESS STATISTICS	3.00	3.00	3.00	3.00	3.00
MARKETING	2.67	2.33	3.00	2.50	3.00
ADVANCED ACCOUNTING	2.93	1.95	2.44	2.61	2.93
IV SEMESTER					
CORPORATE ACCOUNTING	2.80	2.31	2.80	2.64	2.48
COST & MANAGEMENT ACCOUNTING	2.79	2.47	2.79	2.30	2.96
AUDITING	3.00	3.00	3.00	3.00	3.00
GOODS & SERVICES TAX	3.00	3.00	3.00	3.00	3.00
BUSINESS LAWS	3.00	3.00	3.00	3.00	3.00
INCOME TAX	2.78	2.95	2.29	2.95	1.97
V SEMESTER					
Semester Internship					

VI SEMESTER					
LIFE INSURANCE	3.00	3.00	3.00	3.00	3.00
GENERAL INSURANCE	3.00	3.00	3.00	3.00	3.00
MANAGEMENT ACCOUNTING	3.00	3.00	3.00	3.00	3.00
COST CONTROL TECHNIQUES	3.00	3.00	3.00	3.00	3.00
DIGITAL MARKETING	3.00	3.00	3.00	3.00	3.00
SERVICE MARKETING	3.00	3.00	3.00	3.00	3.00
TOTAL	82.75	91,21	91.00	106.16	102.39
AVERAGE	2.59	2.61	2.60	2.59	2.56





Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in B Com (GENERAL)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in B Com (GENERAL) at SPW	
2.	Ability acquired to apply knowledge of Accounts, Computer Applications and Communication Skills in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern Hardware tools and techniques for Practical Application.	
5.	Responsibility level acquired to develop Software solutions for sustainable	

	development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6
Questions	Q1	Q3	Q2, Q4	Q4, Q5	Q6	Q7, Q8

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q2, Q3	Q2, Q4, Q8	Q7, Q8	Q2, Q4	Q3, Q5

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in B COM (GENERAL).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design Computer system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern Software tools necessary for Computer practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern Software and IT tools.	

9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Communication issues with societal needs.	
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(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6
Questions	Q3	Q2, Q4	Q5	Q6	Q4,Q6	Q7, Q8

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q4, Q5, Q7	Q3, Q8, Q9	Q4, Q5, Q8	Q3, Q6, Q9	Q7, Q9

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO1	PSO2	PSO3	PSO 4	PSO5
Graduate Exit Survey	3	2	3	3	2	3	3	3	3	2	3
Employer survey	3	3	3	3	3	2	3	2	3	3	2
Alumni Survey	3	3	2	3	3	3	3	3	3	3	3
Indirect Attainment	3.00	2.67	2.67	3.00	2.67	2.67	3.00	2.67	3.00	2.67	2.67

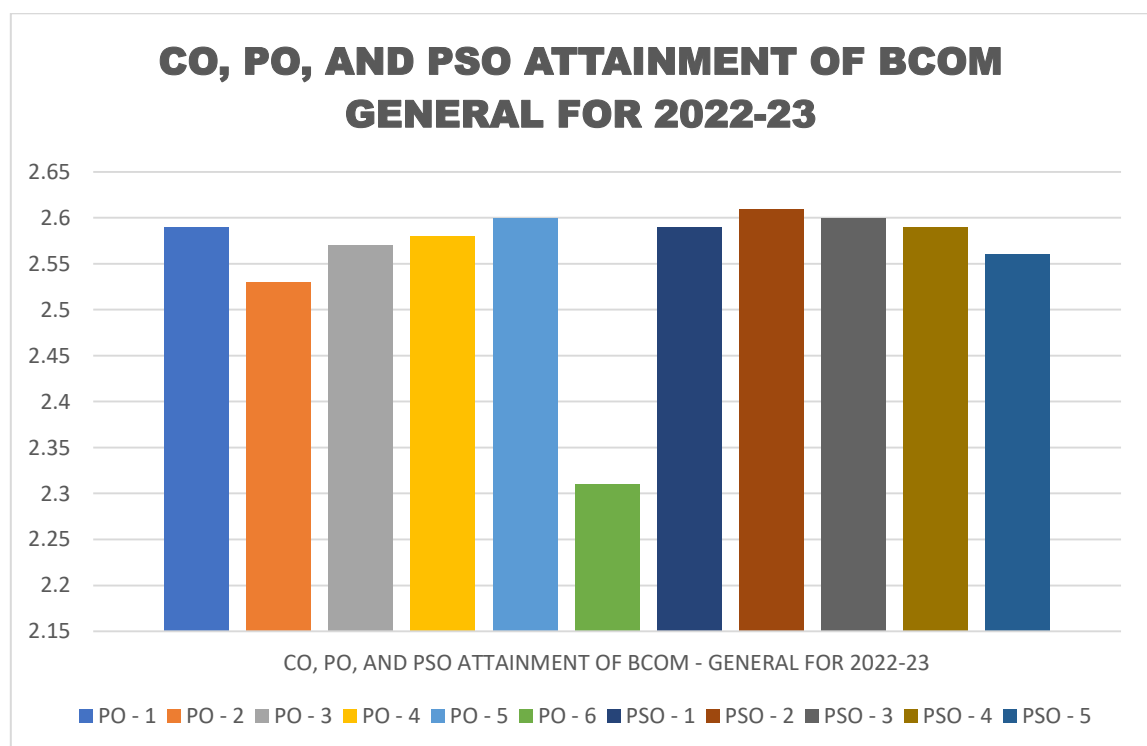
Overall Attainment of PO;

Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO1	PSO2	PSO3	PSO4	PSO5
Direct	2.59	2.53	2.57	2.58	2.60	2.31	2.59	2.61	2.60	2.59	2.56
Indirect	3.00	2.67	2.67	3.00	2.67	2.67	3.00	2.67	3.00	2.67	2.67
80% Direct	2.07	2.02	2.06	2.06	2.08	1.85	2.07	2.09	2.08	2.07	2.05
20% Indirect	0.60	0.53	0.53	0.60	0.53	0.53	0.60	0.53	0.60	0.53	0.53
Po attainment	2.67	2.55	2.59	2.66	2.61	2.38	2.67	2.62	2.68	2.60	2.58



SRI PADMAVATHI WOMENS DEGREE & PG COLLEGE, TIRUPATI

BA (MAS) 2020 - 2023

Overall CO-PO-PSO attainment for BA (MAS)

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
First semester												
ENGLISH	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
TELUGU	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
SANSKRIT	-	-	-	-	2.5	-	-	2.25	-	2.75	2.5	-
ENVIRONMENTAL SCIENCE	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
FOUNDATION COURSE	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
MATHS	2.5	2.5	2.5	2.5	-	2.75	2.5	-	-	-	2.25	-
STATISTICS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
STATISTICS PRATICAL	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
ACCOUNTS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
Second semester												
ENGLISH	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
SANSKRIT	-	-	-	-	2.5	-	-	2.25	-	2.75	2.5	-
TELUGU	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
COMMUNICATION SKILL	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
FOUNDATION COURSE - ICT	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
MATHS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
STATISTICS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
STATISTICS PRATICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25

ACCOUNTS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
Third semester												
ENGLISH	2.75	-	-	-	-	-	-	2.75	-	2.5	2.5	-
SANSKRIT	-	-	-	-	2.5	-	-	2.25	-	2.75	2.5	-
TELUGU	-	-	-	-	2.5	-	-	2.75	-	2.5	2.25	-
FOUNDATION COURSE -EVS	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
DISASTER MANAGEMENT	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
HEALTH&HYGIENE	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
MATHS	2.5	2.5	2.5	2.5	-	2.75	2.5	-	-	-	2.25	-
STATISTICS	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
STATISTICS PRACTICAL	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
ACCOUNTS	2.5	2.5	2.5	2.5	-	2.75	2.5	-	-	-	2.25	-
Fourth Semester												
ACCOUNTS 1	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
ACCOUNTS 2	2.5	2.5	2.5	2.5	-	2.75	2.5	-	-	-	2.25	-
MATHEMATICS 1	2.75	-	-	-	2.75	-	-	2.25	-	2.75	2.5	-
MATHEMATICS 2	2.5	2.5	2.5	2.5	-	2.75	2.5	-	-	-	2.25	-
STATISTICS 1	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
STATISTICS 2	2.75	-	-	-	2.5	-	-	2.75	-	2.5	2.5	-
STATISTICS PRACTICAL 1	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
STATISTICS PRACTICAL 2	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
SIXTH SEMESTER												
ACCOUNTS 1	2.25	2	2.25	2.25	3	2.25	2	2.75	2.25	2.25	2.5	-
ACCOUNTS 2	2.25	2	2.25	2.25	3	2.25	2	2.75	2.25	2.25	2.5	-
MATHEMATICS 1	2.5	2.5	2.5	2.5	-	2.75	2.5	-	-	-	2.25	-
MATHEMATICS 2	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5

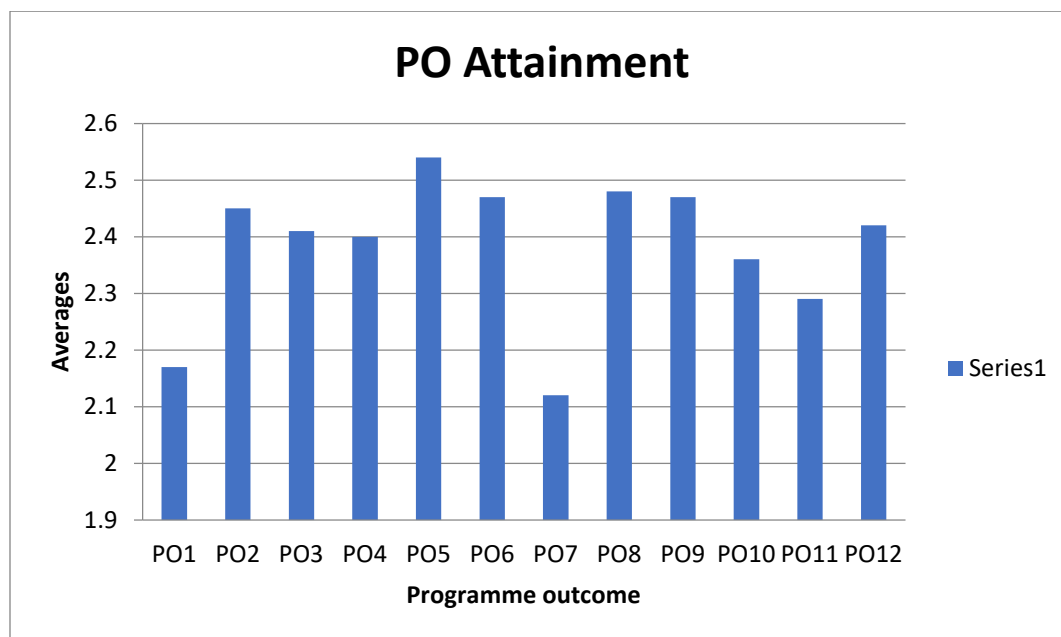
STATISTICS 1	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
STATISTICS 2	2.5	2.5	2.25	2.5	2.75	2.25	2	2.25	2.5	2	2	2.5
STATISTICS PRACTICAL 1	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
STATISTICS PRACTICAL 2	2	2.5	2.75	2	2.5	2.75	2	2.25	2.5	2.5	2.25	2.25
AVG	2.17	2.45	2.41	2.4	2.54	2.47	2.12	2.48	2.47	2.36	2.29	2.42
Fifth Semester												

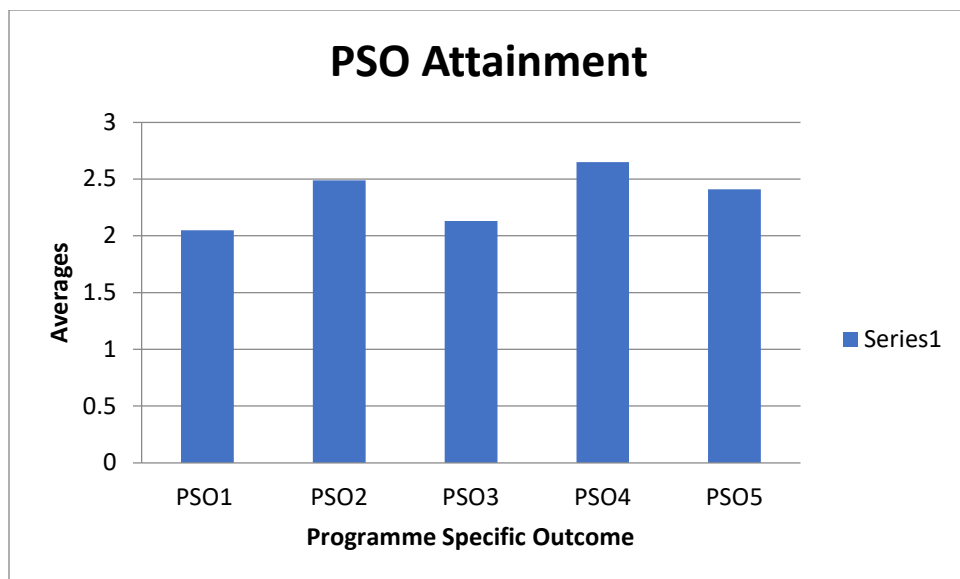
LONG TERM INTERN SHIP DONE BY MAS STUDENTS

Course code	PSO1	PSO2	PSO3	PSO4	PSO5
First semester					
ENGLISH	-	2.5	-	2.75	-
TELEGU	-	-	-	2.5	2.5
SANSKRIT	-	-	-	2.75	2.25
ENVIRONMENTAL SCIENCE	-	2.5	-	2.75	-
FOUNDATION COURSE	-	2.5	-	2.75	-
MATHS	2.25	2.75	-	-	2.5
STATISTICS	2	2.5	2	2.75	2.25
STATISTICS (PRATICAL)	2	2.5	2	2.75	2.25
ACCOUNTS	2	2.5	2	2.75	2.25
SECOND SEMISTER					
ENGLISH	-	2.5	2.25	2.75	2.75
SANSKRIT	-	-	-	2.75	2.25
TELUGU	-	-	-	2.5	2.5
COMMUNICATION	-	2.5	2.25	2.75	2.75

SKILL					
FOUNDATION COURSE - ICT	-	2.5	2.25	2.75	2.75
MATHS	2	2.5	2	2.75	2.25
STATISTICS	2	2.5	2	2.75	2.25
STATISTICS (PRATICAL)	2.25	2.25	2	2.25	2.25
ACCOUNTS	2	2.5	2	2.75	2.25
Third Semester					
ENGLISH	-	2.5	-	2.75	-
SANSKRIT	-	-	-	2.75	2.25
TELUGU	-	-	-	2.5	2.5
FOUNDATION COURSE -EVS	-	2.5	2.25	2.75	2.75
DISASTER MANAGEMENT	-	2.5	2.25	2.75	2.75
HEALTH&HYGIENE	-	2.5	2.25	2.75	2.75
MATHS	2.25	2.75	-	-	2.5
STATISTICS	2	2.5	2	2.75	2.25
STATISTICS (PRACTICAL)	2.25	2.25	2	2.25	2.25
ACCOUNTS	2.25	2.75	-	-	2.5
Fourth Semester					
ACCOUNTS 1	-	2.5	2.25	2.75	2.75
ACCOUNTS 2	2.25	2.75	-	-	2.5
MATHEMATICS 1	-	2.5	2.25	2.5	2.75
MATHEMATICS 2	2.25	2.75	-	-	2.5
STATISTICS 1	-	2.5	2.25	2.75	2.75
STATISTICS 2	-	2.5	2.5	2.75	2.25
STATISTICS PRACTICAL 1	2	2.5	2	2.75	2.25

STATISTICS PRACTICAL 2	2.25	2.25	2	2.25	2.25
Fifth Semester					
LONG TERM INTERN SHIP DONE BY MAS STUDENTS					
SIXTH SEMESTER					
ACCOUNTS 1	2	2.25	2.5	2.25	2
ACCOUNTS 2	2	2.25	2.5	2.25	2
MATHEMATICS 1	2.25	2.75	-	-	2.5
MATHEMATICS 2	2	2.5	2	2.75	2.25
STATISTICS 1	2	2.5	2	2.75	2.25
STATISTICS 2	2	2.5	2	2.75	2.25
STATISTICS PRACTICAL 1	2.25	2.25	2	2.25	2.25
STATISTICS PRACTICAL 2	2.25	2.25	2	2.25	2.25
AVG	2.05	2.49	2.13	2.65	2.41





Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BA (MAS)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BSc (MSCs) at SPW	
2.	Ability acquired to apply knowledge of Mathematics, Statistics and Computer science in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	

5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3	Q3, Q4	Q4, Q5	Q5	Q6, Q9	Q6	Q6	Q7	Q7	Q5, Q7	Q6, Q8

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3	Q5, Q6, Q8	Q7, Q8	Q3, Q4	Q5, Q6

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BSc (MSCs).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools	

	necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q3	Q3, Q5	Q3	Q5	Q5	Q5, Q10	Q8, Q10	Q10	Q8	Q6	Q5, Q6, Q8	Q7

PSOs	PSO1	PSO2	PSO3	PSO4	PSO5
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8	Q2, Q7, Q8	Q6, Q9, Q10

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	Indirect PO Attainment																
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PS O3	PS O4	PS O5
Graduate Exit Survey	3	2	2	3	2	3	3	3	2	2	2	2	2	3	2	2	3
Employer survey	2	3	2	2	2	3	2	1	2	2	1	2	3	3	3	2	3
Alumni Survey	3	2	3	2	2	2	1	1	3	2	2	1	2	1	2	2	2
Indirect Attainment	2.66	2.33	2.33	2.33	2	2.66	2	1.66	2.33	2	1.66	1.66	2.33	2.33	2.33	2	2.66

Overall Attainment of PO;

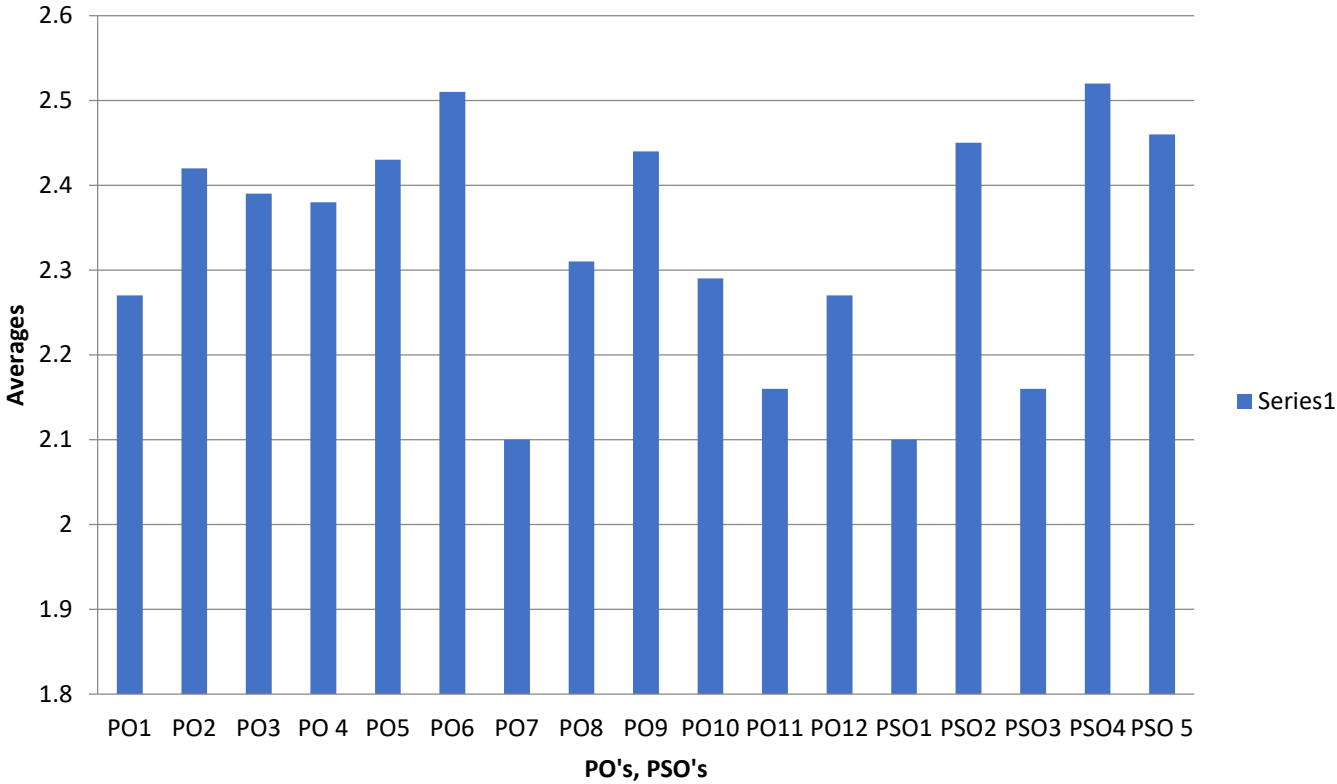
Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

PO ATTAINMENT																	
	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO9	PO 10	PO1 1	PO 12	PS O1	PSO 2	PSO 3	PSO 4	PSO 5
Direct	2.17	2.45	2.41	2.4	2.54	2.47	2.12	2.48	2.47	2.36	2.29	2.42	2.05	2.49	2.13	2.65	2.41
Indirect	2.66	2.33	2.33	2.33	2	2.66	2	1.66	2.33	2	1.66	1.66	2.33	2.33	2.33	2	2.66
80% Direct	1.74	1.96	1.93	1.92	2.03	1.98	1.70	1.98	1.98	1.89	1.83	1.94	1.64	1.99	1.70	2.12	1.93
20% Indirect	0.53	0.46	0.46	0.46	0.4	0.53	0.4	0.33	0.46	0.4	0.33	0.33	0.46	0.46	0.46	0.4	0.53
Po attainment	2.27	2.42	2.39	2.38	2.43	2.51	2.10	2.31	2.44	2.29	2.16	2.27	2.1	2.45	2.16	2.52	2.46

CO-PO-PSO FINAL ATTAINMENT FOR MAS 2020-23



SRI PADMAVATHI WOMENS DEGREE COLLEGE, TIRUPATHI

BA (EPP) 2022-2023

Overall CO-PO-PSO attainment for BA(EPP)

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11
First semester											
ENGLISH	2.16	2.5	2.5	3	2.5	-	-	-	-	-	-
TELEGU	1.04	1.56	1.3	1.56	1.3	-	-	-	-	-	-
PUBLIC RELATIONS	2.25	2.7	2.7	2.25	2.25	-	-	-	-	-	-
SKILL DEVELOPMENT (ICT)	2.16	2.16	2.16	2.6	2.16	-	-	-	-	-	-
PHILOSOPHY	2.2	1.83	1.83	2.2	-	-	-	-	-	-	-
ECONOMICS	3.0	3.0	2.5	2.5	2.5	2.7	-	-	-	-	-
POLITICAL SCIENCE	1.83	2.2	2.2	1.83	-	-	-	-	-	-	-
Second semester											
ENGLISH	2.16	2.16	2.16	2.6	2.16	-	-	-	-	-	-
TELUGU	2.08	2.08	2.08	2.5	2.08	-	-	-	-	-	-
COMMUNICATION SKILL	2.25		2.7					2.25		2.7	
SURVEY AND REPORTIG (SKILL DEVELOPMENT)	2.08	2.08	2.08	2.5	2.08						
PERFORMING ARTS (SKILL DEVELOPMENT)	2.08	2.08	2.08	2.5	2.08	-	-	-	-	-	-
PHILOSOPHY	2.2	1.83	1.83	2.2	-	-	-	-	-	-	-
ECONOMICS	3.0	2.5	2.5	2.5	3.0	2.7	-	-	-	-	-
POLITICAL SCIENCE	1.83	2.2	1.83	2.2	-	-	-	-	-	-	-
Third semester											
ENGLISH	2.16	2.16	2.16	2.6	2.16						
TELUGU	1.04	1.56	1.3	1.56							
ENVIRONMENTAL EDUCATION	2.25	2.25	2.25	2.7	2.7						
PERSONAL ENHANCEMENT	2.25	2.7	2.25	2.7	-						
DISASTER MANAGEMENT	2.25		2.7					2.25		2.7	
PHILOSOPHY	1.83	2.2	1.83	2.2							
ECONOMICS	2.5	2.5	2.5	3	3	2.5					
POLITICAL SCIENCE	2.2	2.2	1.83	1.83							
Fourth semester											
PHILOSOPHY – I	2.2	1.83	1.83	2.2							
PHILOSOPHY - II	2.2	1.83	1.83	2.2							
ECONOMICS – I	1.83	2.2	1.83	2.2							
STATISTICAL METHODS FOR ECONOMICS -II	2.08	2.08	2.5	2.08							

POLITICAL SCIENCE – I	1.83	2.2	1.83	2.2							
WESTERN POLITICAL THOUGHT - II	1.83	2.2	1.83	2.2							
Fifth Semester											
LOGIC&SCIENTIFIC METHOD (PHY-I)	2.2	1.83	1.83	2.2							
SOCIAL AND POLITICAL PHILOSOPHY -II	2.2	1.83	1.83	2.2							
POLITICAL SCIENCE – I	2.5		2.7				2.5		2.7		
POLITICAL SCIENCE – II	2.5		2.7				2.5		2.7		
ECONOMICS – I	2.08	2.08	2.08	2.5	2.08						
STATISTICS COPO -II	2.08	2.08	2.08	2.5	2.08						
AVG	2.13	1.96	2.05	2.13	1.08	0.31	0.00	0.21	0.00	0.23	

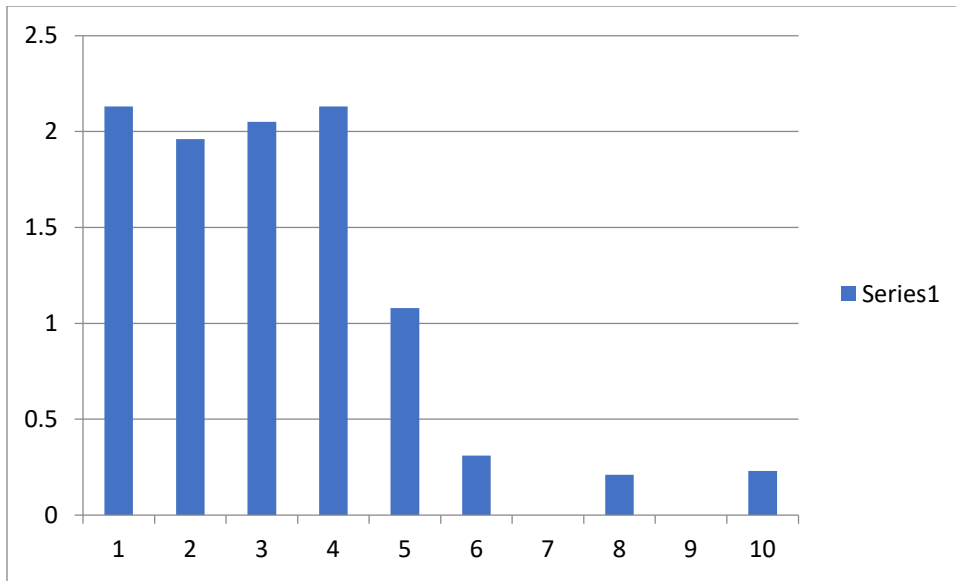
Course code	PSO1	PSO2	PSO3	PSO4	PSO5
First semester					
ENGLISH	2.16	2.16	2.16	2.6	
TELEGU	1.04	1.56	1.3	1.56	
PUBLIC RELATIONS (ICT)	2.25	2.7	2.7	2.25	
SKILL DEVELOPMENT	2.56	2.33	2.56	2.56	
PHILOSOPHY	2.2	1.83	1.83	2.2	
ECONOMICS	1.62	1.62	1.35	1.35	
POLITICAL SCIENCE	1.83	2.2	2.2	1.83	
Second semester					
ENGLISH	2.16	2.16	2.16	2.6	
TELEGU	2.08	2.08	2.08	2.5	2.08
COMMUNICATION SKILL	2.25	2.7	2.25	2.7	
SURVEY AND REPORTING (SKILL DEVELOPMENT)	2.08	2.08	2.5	2.08	
PERFORMING ARTS (SKILL DEVELOPMENT)	2.08	2.08	2.08	2.5	2.08
PHILOSOPHY	2.2	1.83	1.83	2.2	
ECONOMICS	1.62	1.35	1.35	1.62	
POLITICAL SCIENCE	1.83	2.2	1.83	2.2	
Third semester					
ENGLISH	2.16	2.16	2.16	2.6	
TELEGU	1.04	1.56	1.3	1.56	
ENVIRONMENTAL EDUCATION	2.25	2.7	2.25	2.7	
PERSONAL ENHANCEMENT	2.25	2.7	2.25	2.7	
DISATER MANAGEMENT	2.25	2.25	2.25	2.7	

PHILOSOPHY	1.83	2.2	1.83	2.2	
ECONOMICS	1.35	1.35	1.35	1.62	
POLITICAL SCIENCE	2.2	2.2	1.83	1.83	
Fourth semester					
PHILOSOPHY – I	2.2	1.83	1.83	2.2	
PHILOSOPHY – II	2.2	1.83	1.83	2.2	
POLITICAL SCIENCE - I	1.83	2.2	1.83	2.2	
WESTERN POLITICAL SCIENCE – II	1.83	2.2	1.83	2.2	
ECONOMICS – I	1.83	2.2	1.83	2.2	
STATISTICAL METHODS FOR ECONOMICS -II	2.08	2.08	2.5	2.08	
Fifth semester					
LOGIC&SCIENTIFIC METHOD (PHY) -I	2.2	1.83	1.83	2.2	
SOCIAL AND POLITICAL PHILOSOPHY-II	2.2	1.83	1.83	2.2	
POLITICAL SCIENCE – 1	2.5	2.7	2.5	2.7	
POLITICAL SCIENCE - II	2.5	2.7	2.5	2.7	
ECONOMICS – 1	2.08	2.08	2.5	2.08	
STATISTICS COPC - II	2.2	1.83	1.83	2.2	
AVG	2.05	2.10	1.98	2.22	0.12

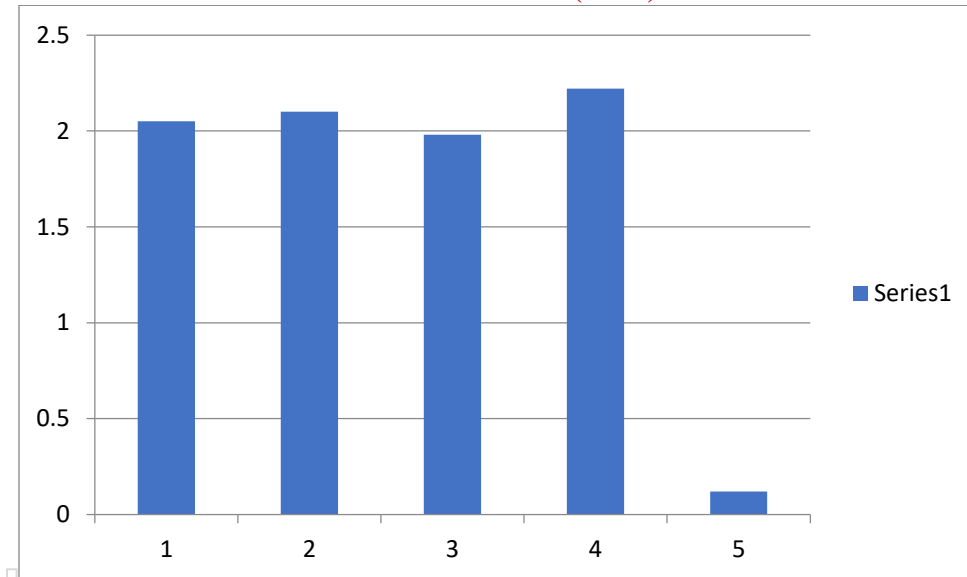
6 th Semester (Long Term Intership)

S.NO	REGNO	NAME	2-6-101-IP INTERNSHIP EVALUATION				2-6-101-VI VIVA-VOCA			G SPA	FLAG
			Int-mark s	Svu mark s	Grade	Grade points	Svu mark s	Grade	Grade points		
1	121003113	G.LEKHANA PRIYA	45	96	E	9.4	48	O	9.6	9.43	P
2	121003114	RUDRA ROJA	44	97	E	9.4	48	O	9.6	9.43	P

PO ATTAINMANT FOR B.A (EPP)



PSO ATTAINMENT FOR BA (EPP)



Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BA (HEP)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BA (HEP) at SPW	
2.	Ability acquired to apply knowledge of Mathematics, Physics and Electronics in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	
5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Questions	Q3	Q3	Q3, Q4	Q4, Q5	Q5	Q6, Q9	Q6	Q6	Q7	Q7

PSOs	PSO1	PSO2	PSO3	PSO4
Questions	Q3	Q5, Q6, Q8	Q7, Q8	Q3, Q4

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BA (HEP).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Questions	Q3	Q3, Q5	Q3	Q5	Q5	Q5, Q10	Q8, Q10	Q10	Q8	Q6

PSOs	PSO1	PSO2	PSO3	PSO4
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8	Q2, Q7, Q8

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Survey	Indirect PO Attainment													
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PS O3	PS O4
Graduate Exit Survey	3	2	1	3	3	2	2	1	1	3	2	1	2	1
Employer survey	1	2	1	3	3	2	3	2	3	1	2	2	2	1
Alumni Survey	2	3	1	1	3	2	1	2	3	2	1	2	3	2
Indirect Attainment	2.0	2.3	1.0	2.3	3.0	2.0	2.0	1.6	2.3	2.0	1.6	1.6	2.3	1.3

Indirect Attainment

Overall Attainment of PO;

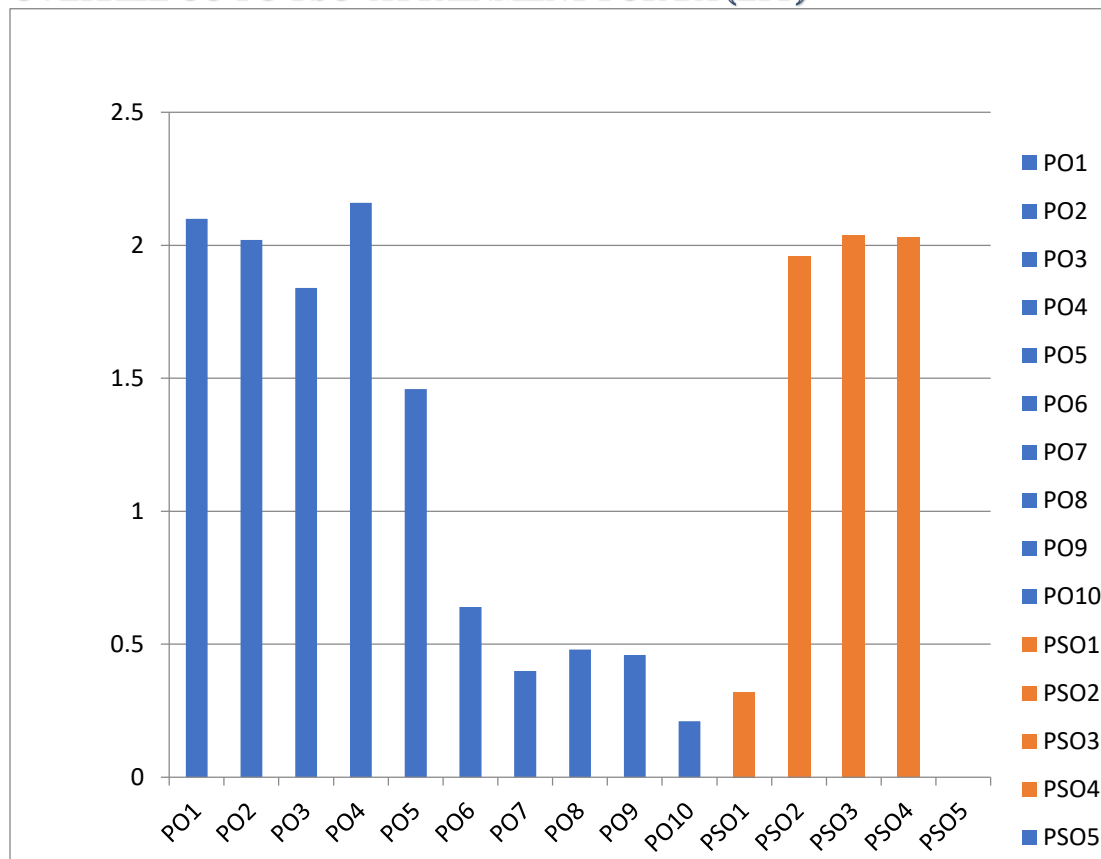
Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

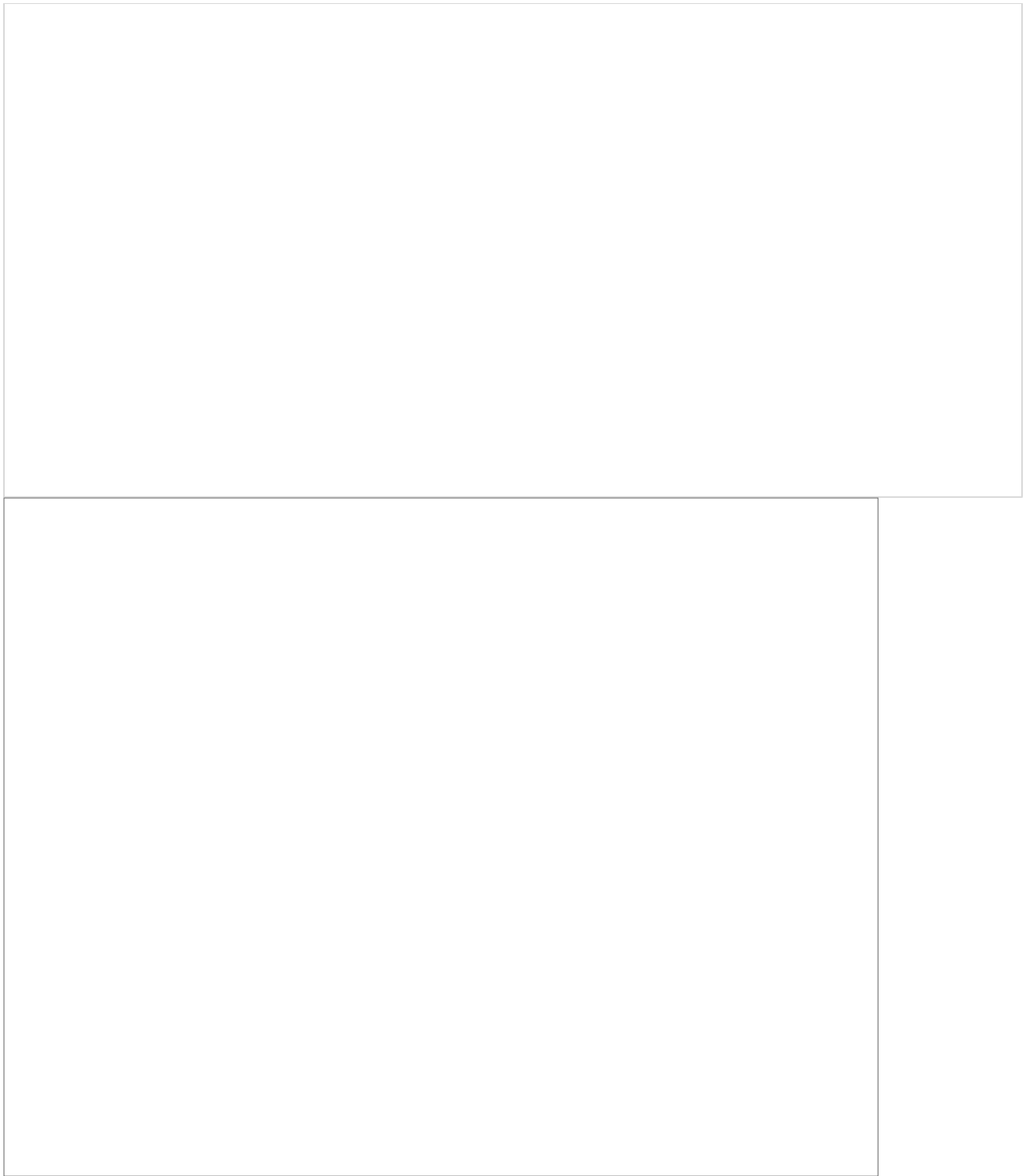
$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

	PO ATTAINMENT															
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PS O1	PSO 2	PS O3	PSO4	PSO 5
Direct	2.13	1.96	2.05	2.13	1.08	0.31	0.00	0.21	0.00	0.23		2.05	1.98	2.22	0.12	
Indirect	2.0	2.3	1.0	2.3	3.0	2.0	2.0	1.6	2.3	2.0	1.6	1.6	2.3	1.3		
80% Direct	1.7	1.56	1.64	1.7	0.86	0.24	0.00	0.16	0.00	0.18		1.64	1.58	1.77	0.00	
20% Indirect	0.4	0.46	0.2	0.46	0.6	0.4	0.4	0.32	0.46	0.03	0.32	0.32	0.46	0.26		
Po attainment	2.1	2.02	1.84	2.16	1.46	0.64	0.4	0.48	0.46	0.21	0.32	1.96	2.04	2.03	0.00	

OVERALL CO-PO-PSO ATTAINMENT FOR BA (EPP)





SRI PADMAVATHI WOMENS DEGREE COLLEGE, TIRUPATHI
BA (HEE)

Overall CO-PO-PSO attainment for BA (HEE)

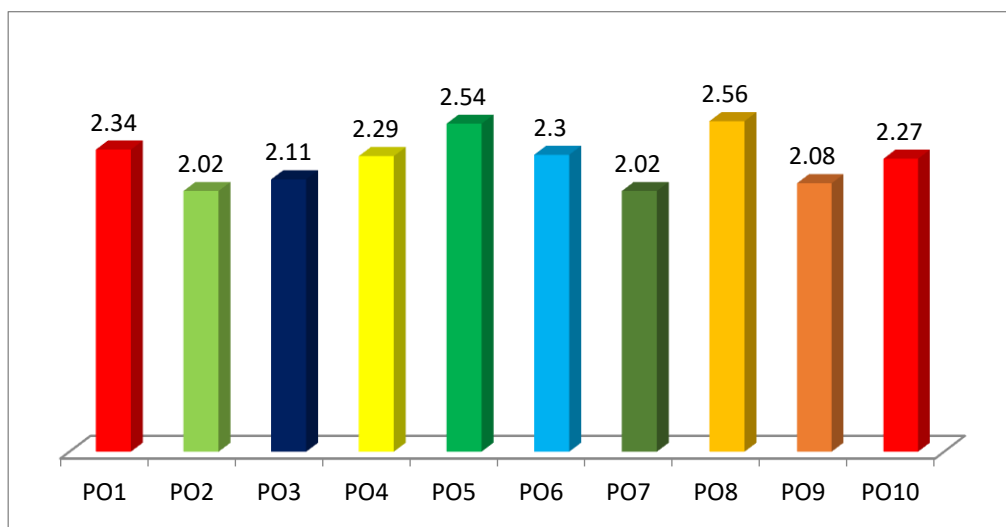
Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
First semester										
ENGLISH	2.62	-	-	2.62	-	-	-	2.62	-	2.38
TELUGU	-	-	2.17	-	2.41	-	-	2.65	-	2.41
SANSKRIT	-	2.39	-	-	2.39	-	-	2.15	-	2.63
BASIC COMPUTER APPLICATIONS	2.38		2.86					2.62		2.14
TOURISM GUIDANCE	2.14	-	2.57	-	-	-	-	2.35	-	1.92
HISTORY	2.18	1.94	2.18	2.18	2.91	2.18	1.94	2.66	2.18	2.18
ECONOMICS	2.16	1.92	2.16	2.16	2.89	2.16	1.92	2.64	2.16	2.16
ADVANCED ENGLISH	2.62	2.38	2.14	2.62	1.9	2.86	2.38	2.62	1.9	2.38
Second semester										
ENGLISH	2.64	-	-	-	2.4	-	-	2.64	-	2.4
SANSKRIT	2.35	-	-	-	2.35	-	-	2.11	-	2.58
TELUGU	-	-	-	-	2.42	2.18	-	2.66	-	2.42
INFORMATION AND COMMUNICATION TECHNOLOGY	2.51	-	-	-	2.28	-	-	2.51	-	2.28
JOURNALISTIC REPORTINNG	2.64	-	2.4	-	-	-	-	2.64	-	2.4
SURVEY AND REPORTING	2.61	-	-	-	2.37	-	-	2.61	-	2.37
HISTORY	2.16	1.92	2.16	2.16	2.89	2.16	1.92	2.64	2.16	2.16
ECONOMICS	2.1	1.87	2.1	2.1	2.81	2.1	1.87	2.57	2.1	2.1
ADVANCED ENGLISH	2.64	2.4	2.16	2.64	1.92	2.89	2.4	2.64	1.92	2.4
Third semester										
ENGLISH	2.63	-	-	2.63	-	-	-	2.63	-	2.39
SANSKRIT	2.37	-	-	-	2.37	-	-	2.13	-	2.61
TELUGU	-	-	2.1	-	2.33	-	-	2.56	-	2.33
ENVIRONMENTAL EDUCATION	2.58	-	-	-	2.35	-	-	2.58	-	2.35
PERSONALITY ENHANCEMENT AND LEADERSHIP	2.64	-	-	-	-	-	2.4	2.64	-	2.4
HISTORY	2.14	1.90	2.14	2.14	2.86	2.14	1.85	2.62	2.14	2.14
ECONOMICS	2.19	1.94	2.19	2.19	2.92	2.19	1.94	2.67	2.19	2.19
ADVANCED ENGLISH	2.6	2.36	2.13	2.6	1.89	2.84	2.19	2.6	1.89	2.36
Fourth Semester										
HISTORY AND CULTURE OF ANDHRA	2.1	1.86	2.11	2.1	2.8	2.1	1.86	2.56	2.1	2.1
HISTORY OF MODERN WORLD	2.11	1.88	2.11	2.11	2.82	2.11	1.88	2.58	2.11	2.11
ECONOMIC DEVELOPMENT - INDIA	2.12	1.88	2.12	2.12	2.83	2.12	1.88	2.59	2.12	2.12
STATISTICAL	2.12	1.88	2.12	2.12	2.83	2.12	1.88	2.59	2.12	2.12

METHODS FOR ECONOMICS										
A STUDY OF THE ENGLISH LANGUAGE	2.54	2.31	2.08	2.54	1.85	2.78	2.31	2.54	1.85	2.31
AN INTRODUCTION TO ROMANTIC AND VICTORIAN PERIOD	2.53	2.3	2.07	2.53	1.84	2.76	2.3	2.53	1.84	2.3
Fifth Semester										
ENGLISH LANGUAGE TEACHING SKILLS	2.16	1.92	2.16	2.16	2.88	2.16	1.92	2.64	2.16	2.16
SKILLS AND PROCEEDURES OF TRANSLATION	2.13	1.89	2.13	2.13	2.84	2.13	1.89	2.6	2.13	2.13
TOURISM AND HOSPITALITY SERVICES	2.19	1.95	2.19	2.19	2.93	2.19	1.95	2.68	2.19	2.19
TOURISM GUIDANCE AND OPERATING SKILLS	2.18	1.94	2.18	2.18	2.91	2.18	1.94	2.66	2.18	2.18
INSURANCE SERVICES	2.19	1.95	2.19	2.19	2.93	2.19	1.95	2.68	2.19	2.19
BANKING AND FINANCIAL SERVICES	2.11	1.88	2.11	2.11	2.82	2.11	1.88	2.58	2.11	2.11
AVG	2.34	2.02	2.11	2.29	2.54	2.30	2.02	2.56	2.08	2.27

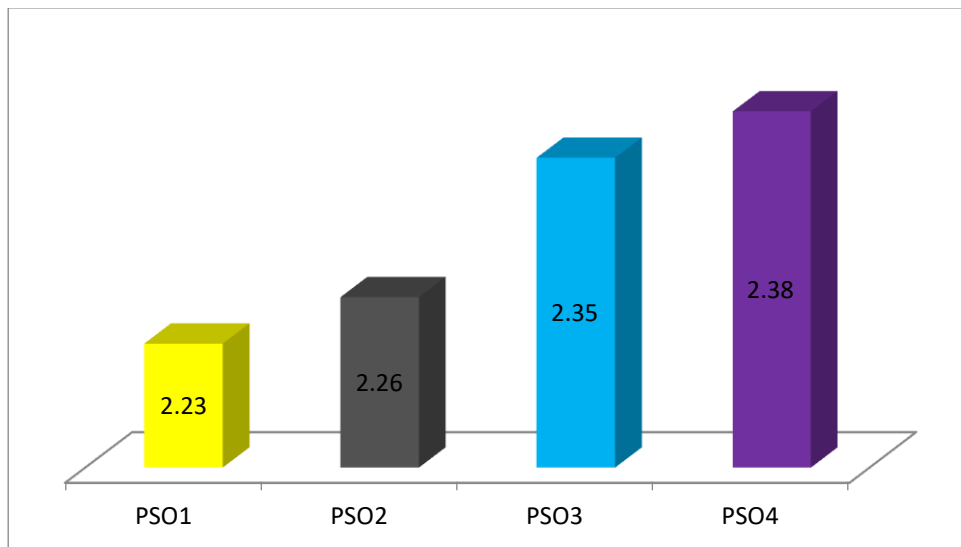
Course code	PSO1	PSO2	PSO3	PSO4
First semester				
ENGLISH	2.62	2.38	2.38	2.62
TELUGU	2.41	2.41	2.41	2.41
SANSKRIT	2.15	2.63	2.15	2.63
BASIC COMPUTER APPLICATIONS	2.62	2.62	2.38	2.62
TOURISM GUIDANCE	2.35	2.35	2.14	2.35
HISTORY	1.94	2.18	2.42	2.18
ECONOMICS	1.92	2.16	2.4	2.16
ADVANCED ENGLISH	2.62	2.38	2.38	2.62
Second semester				
ENGLISH	2.64	2.16	2.64	2.64
SANSKRIT	2.11	2.11	2.11	2.58
TELUGU	2.42	2.42	2.42	2.42
INFORMATION AND COMMUNICATION TECHNOLOGY	2.61	2.37	2.13	2.61
JOURNALISTIC REPORTINNG	2.64	2.4	2.64	2.64
SURVEY AND REPORTING	2.61	2.37	2.13	2.61
HISTORY	1.92	2.16	2.40	2.16
ECONOMICS	1.87	2.1	2.34	2.1
ADVANCED ENGLISH	2.64	2.4	2.4	2.64
Third Semester				

ENGLISH	2.63	2.39	2.39	2.63
SANSKRIT	2.13	2.13	2.13	2.61
TELUGU	2.33	2.33	2.33	2.33
ENVIRONMENTAL EDUCATION	2.35	2.35	2.35	2.58
PERSONALITY ENHANCEMENT AND LEADERSHIP	2.64	2.4	2.64	2.64
HISTORY	1.90	2.14	2.38	2.14
ECONOMICS	1.94	2.19	2.43	2.19
ADVANCED ENGLISH	2.6	2.36	2.36	2.6
Fourth Semester				
HISTORY AND CULTURE OF ANDHRA	1.86	2.1	2.33	2.1
HISTORY OF MODERN WORLD	1.88	2.11	2.35	2.11
ECONOMIC DEVELOPMENT -INDIA	1.88	2.12	2.35	2.12
STATISTICAL METHODS FOR ECONOMICS	1.88	2.12	2.35	2.12
A STUDY OF THE ENGLISH LANGUAGE	2.54	2.31	2.13	2.54
AN INTRODUCTION TO ROMANTIC AND VICTORIAN PERIOD	2.53	2.3	2.3	2.53
Fifth Semester				
ENGLISH LANGUAGE TEACHING SKILLS	1.92	2.16	2.4	2.16
SKILLS AND PROCEEDURES OF TRANSLATION	1.89	2.13	2.36	2.13
TOURISM AND HOSPITALITY SERVICES	1.95	2.19	2.44	2.19
TOURISM GUIDANCE AND OPERATING SKILLS	1.94	2.18	2.42	2.18
INSURANCE SERVICES	1.95	2.19	2.44	2.19
BANKING AND FINANCIAL SERVICES	1.88	2.11	2.35	2.11
AVG	2.23	2.26	2.35	2.38

CO – PO- ATTAINMENT (2022-23)



PSO ATTAINMENT



Program level course-PSO matrix of all courses including first year courses By Direct Method:

Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BA (HEE)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BA (HEE) at SPW	
2.	Ability acquired to apply knowledge of History, Economics and Advanced English in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	
5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Questions	Q2	Q3	Q1, Q4	Q3, Q4	Q6	Q8, Q9	Q7	Q5	Q6	Q3

PSOs	PSO1	PSO2	PSO3	PSO4
Questions	Q2	Q4, Q5, Q8	Q7, Q8	Q3, Q4

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BA (HEP).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to	

	meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Questions	Q2	Q1, Q3	Q4	Q5	Q5	Q7, Q10	Q4, Q7	Q9	Q8	Q6

PSOs	PSO1	PSO2	PSO3	PSO4
Questions	Q3, Q5, Q6	Q4, Q7, Q10	Q4, Q5, Q8	Q2, Q8, Q9

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey	Indirect PO Attainment													
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
Graduate														

Exit Survey	2	3	3	2	3	3	2	3	1	2	3	2	3	2
Employer survey	2	3	3	1	2	3	2	3	3	2	2	1	2	2
Alumni Survey	2	2	3	2	3	3	2	3	1	3	3	3	3	3
Indirect Attainment	2	2.6	3	1.6	2.6	3	2	3	1.3	2.3	2.6	2	2.6	2.3

Overall Attainment of PO;

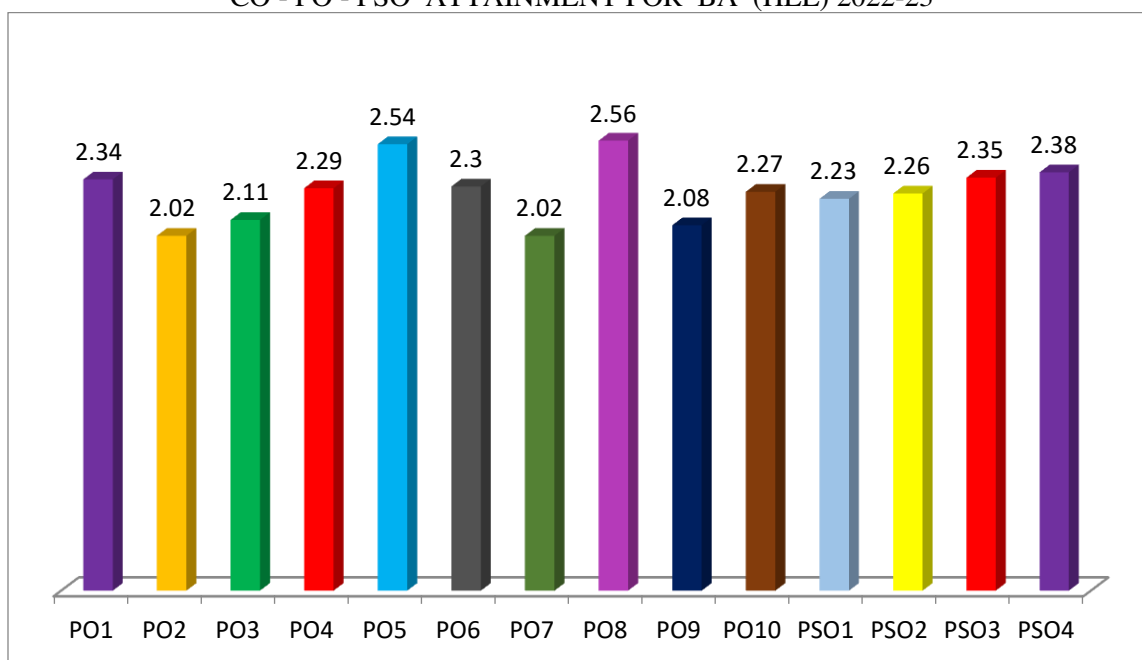
Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

PO ATTAINMENT														
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO8	PO 9	PO 10	PSO1	PSO2	PSO3	PSO4
Direct	2.35	1.96	2.17	2.28	2.6	2.24	2.35	2.06	2.21	2.26	2.21	2.23	2.37	2.36
Indirect	2	2.6	3	1.6	2.6	3	2	3	1.3	2.3	2.6	2	2.6	2.3
80% Direct	1.88	1.56	1.73	1.82	2.08	1.79	1.88	1.64	1.76	1.80	1.76	1.78	1.89	1.88
20% Indirect	0.4	0.52	0.6	0.32	0.52	0.6	0.4	0.6	0.26	0.46	0.52	0.4	0.52	0.46
Po attainment	2.28	2.08	2.38	2.14	2.6	2.39	2.28	2.24	2.02	2.26	2.28	2.18	2.41	2.34

CO - PO - PSO ATTAINMENT FOR BA (HEE) 2022-23



SRI PADMAVATHI WOMENS DEGREE & PG COLLEGE, TIRUPATI

BA (HTP) 2020 - 23

Overall CO-PO-PSO attainment for BA (HTP)

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
FIRST SEMESTER										
ENGLISH-1	2.62	-	-	2.62	-	-	-	2.62	-	2.38
TELUGU-1	-	-	2.13	-	2.37	-	-	2.60	-	2.37
BASIC COMPUTER APPLICATIONS(CA)	2.62	-	-	-	-	2.62	-	2.38	-	2.62
TOURISM GUIDANCE	2.58	-	-	2	2	2	2	2	2	2
HISTORY-1	2.14	1.91	2.14	2.14	2.86	2.14	2.62	1.91	2.14	-2.14
POLITICAL SCIENCE-1	2.13	1.89	2.13	2.13	2.84	2.13	1.89	2.60	2.13	2.13
ADVANCED TELUGU-1	2.12	1.88	2.12	2.12	2.83	2.12	1.88	2.59	2.12	2.12
SECOND SEMESTER										
ENGLISH-II	2.62	-	-	-	2.38	-	-	2.62	-	2.38
TELUGU-II	-	-	-	-	2.37	2.13	-	2.50	-	2.37
ICT-III	2.60	-	2.37	-	-	-	-	2.60	-	2.37
Journalistic Reporting	2.61	-	-	-	2.37	-	-	2.61	-	2.37
HISTORY-II	2.13	1.90	2.13	2.13	2.85	2.13	1.90	2.61	2.13	2.13
POLITICAL SCIENCE-II	2.12	1.88	2.12	2.12	2.83	2.12	1.88	2.59	2.12	2.12
ADVANCED TELUGU-II	2.12	1.88	2.12	2.12	2.83	2.12	1.88	2.59	2.12	2.12
THIRD SEMESTER										
ENGLISH-III	2.59	-	-	2.59	-	-	-	2.59	-	2.85
TELUGU-III	-	-	2.12	-	2.36	-	-	2.59	-	2.36
ENVIRONMENTAL	2.65	-	-	-	2.41	-	-	2.65	-	2.41

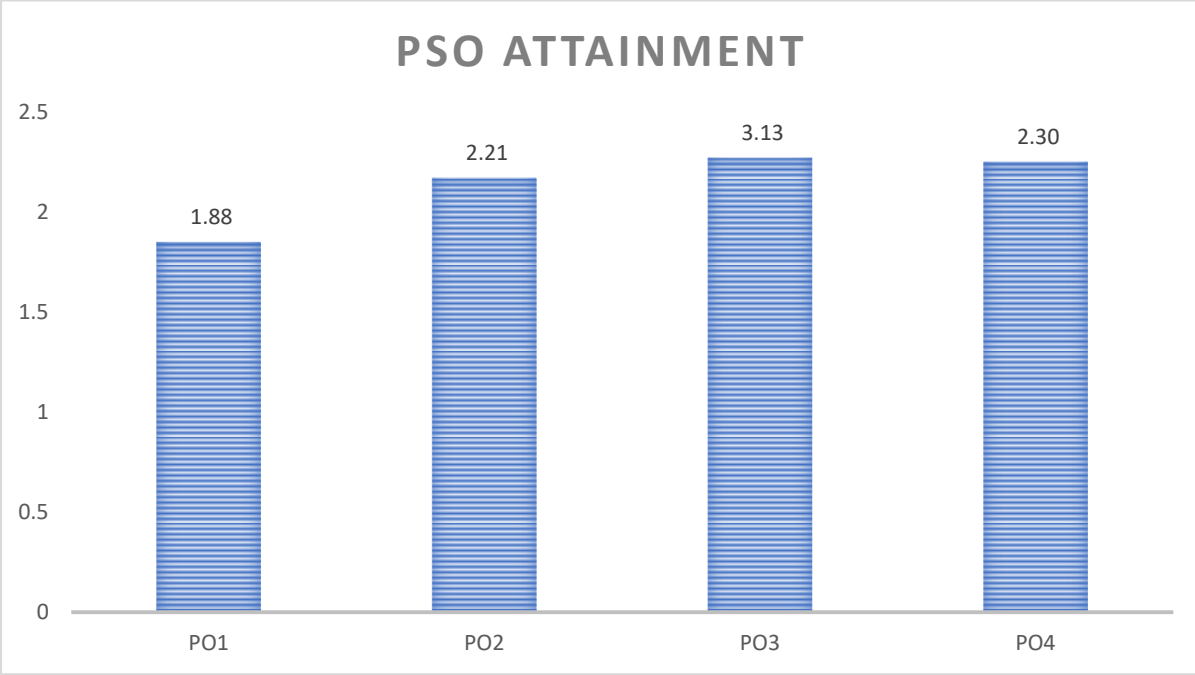
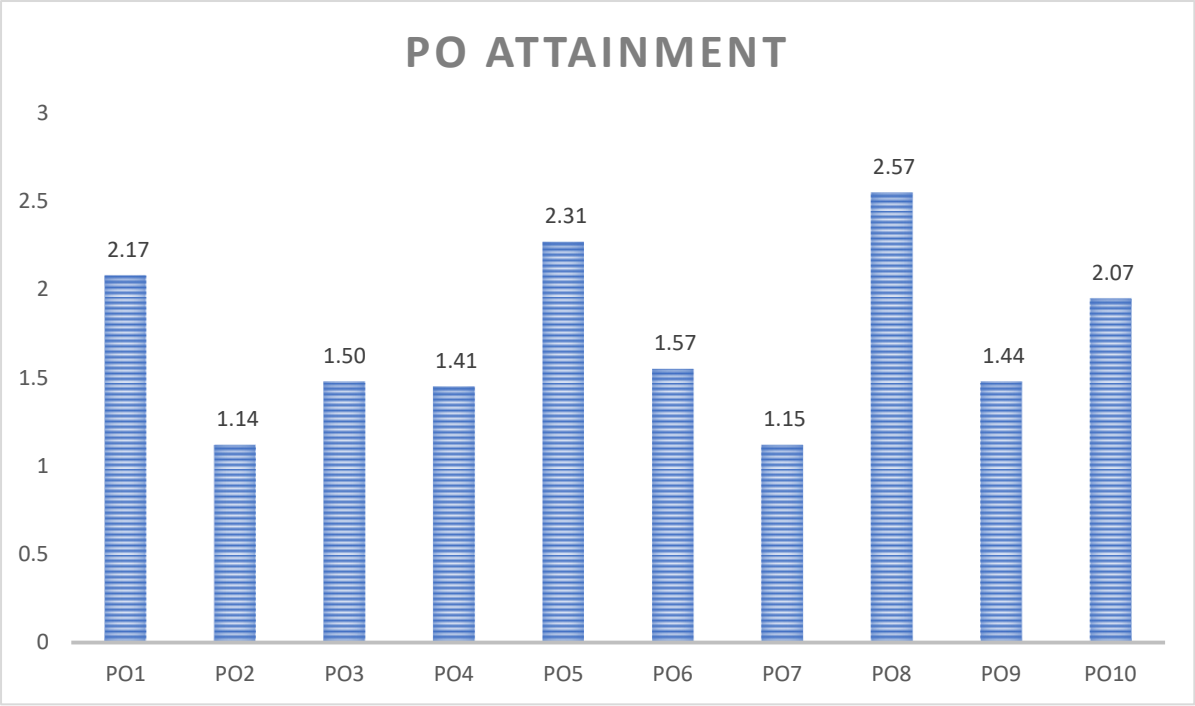
EDUCATION										
PERSONALITY ENHANCEMENT& LEADERSHIP	2.33	-	-	-	2.33	2.09	-	2.56	1.86	-
HISTORY-III	2.14	1.91	2.14	2.14	2.86	2.14	1.91	2.62	2.14	2.14
POLITICAL SCIENCE-III	2.14	1.91	2.14	2.14	2.86	2.14	1.91	2.62	2.14	2.14
ADVANCED TELUGU-III	2.12	1.88	2.12	2.12	2.83	2.12	1.88	2.59	2.12	2.12
FOURTH SEMESTER										
COMMUNICATION SKILLS & SOFT SKILLS-III	2.65	-	-	-	2.40	-	-	2.65	-	2.40
ANALYTICAL SKILLS	2.62	-	-	-	2.38	-	-	2.62	-	2.38
FOUNDATION COURSE ICT	2.60	-	2.36	-	-	2.60	-	2.36	2.36	-
LEADERSHIP EDUCATION	2.59	-	-	-	2.59	2.12	-	2.59	2.35	-
HISTORY-IV	2.14	1.90	2.14	2.14	2.85	2.14	1.90	2.61	2.14	2.14
POLITICAL SCIENCE-IV	2.14	1.91	2.14	2.14	2.86	2.14	1.91	2.62	2.14	2.14
ADVANCED TELUGU-IV	2.13	1.89	2.13	2.13	2.84	2.13	1.89	2.60	2.13	2.13
FIFTH SEMESTER										
HISTORY-V	2.14	1.90	2.14	2.14	2.85	2.14	1.90	2.61	2.14	2.14
HISTORY-VI	2.13	1.89	2.13	2.13	2.84	2.13	1.89	2.60	2.13	2.13
POLITICAL SCIENCE-V	2.18	1.94	2.18	2.18	2.91	2.18	1.94	2.66	2.18	2.18
POLITICAL SCIENCE-VI	2.13	1.89	2.13	2.13	2.84	2.13	1.89	2.60	2.13	2.13
ADVANCED TELUGU-V	2.12	1.89	2.12	2.12	2.83	2.12	1.89	2.60	2.12	2.12
ADVANCED TELUGU-VI	2.15	1.91	2.15	2.15	2.87	2.15	1.91	2.63	2.15	2.15
SIXTH SEMESTER										

HISTORY-VII	2.17	1.93	2.17	2.17	2.90	2.17	1.93	2.66	2.17	2.17
POLITICAL SCIENCE-VII	2.14	1.91	2.14	2.14	2.86	2.14	1.91	2.62	2.14	2.14
ADVANCED TELUGU-VII	2.16	1.92	2.16	2.16	2.88	2.16	1.92	2.64	2.16	2.16
CLUSTER-I ADVANCED TELUGU	2.17	1.93	2.17	2.17	2.89	2.17	1.93	2.65	2.17	2.17
CLUSTER-II ADVANCED TELUGU	2.14	1.90	2.14	2.14	2.86	2.14	1.90	2.62	2.14	2.14
CLUSTER-III ADVANCED TELUGU	2.15	1.91	2.15	2.15	2.87	2.15	1.91	2.63	2.15	2.15
AVG	2.17	1.14	1.50	1.41	2.31	1.57	1.15	2.57	1.44	2.07

Course code	PSO1	PSO2	PSO3	PSO4
FIRST SEMESTER				
ENGLISH-1	2.62	2.38	2.38	2.62
TELUGU-1	2.37	2.37	2.37	2.37
TOURISM GUIDANCE	2.58	2.35	2.58	2.58
BASIC COMPUTER APPLICATIONS (CS)	-	2.38	-	2.62
HISTORY-1	1.91	2.14	2.38	2.14
POLITICAL SCIENCE-1	1.89	2.13	2.37	2.13
ADVANCED TELUGU-1	1.88	2.12	2.36	2.12
SECOND SEMESTER				
ENGLISH-II	2.62	2.14	2.62	2.62
TELUGU-II	2.37	2.37	2.37	2.37
ICT-III	2.60	2.37	2.60	2.60

JOURNALISTIC REPORTING	2.61	2.37	2.13	2.61
HISTORY-II	1.90	2.13	2.37	2.13
POLITICAL SCIENCE-II	1.88	2.12	2.35	2.12
ADVANCED TELUGU-II	1.88	2.12	2.35	2.12
THIRD SEMESTER				
ENGLISH-III	2.59	2.36	2.36	2.59
TELUGU-III	2.36	2.36	2.36	2.36
Personality enhancement & Leadership	-	2.33	2.09	2.56
Environmental Education	2.41	2.41	2.41	2.65
HISTORY-III	1.91	2.14	2.38	2.14
POLITICAL SCIENCE-III	1.91	2.14	2.38	2.14
ADVANCED TELUGU-III	1.88	2.12	2.35	2.12
FOURTH SEMESTER				
COMMUNICATION SKILLS & SOFT SKILLS-III	-	2.40	2.16	2.65
ANALYTICAL SKILLS	-	2.38	2.38	2.62
FOUNDATION COURSE ICT	2.36	2.12	2.60	2.60
LEADERSHIP EDUCATION	2.35	2.12	2.35	2.59
HISTORY-IV	1.90	2.14	2.38	2.14
POLITICAL SCIENCE-IV	1.91	2.14	2.38	2.14
ADVANCED TELUGU-IV	1.89	2.13	2.37	2.13
FIFTH SEMESTER				

HISTORY-V	1.90	2.14	2.37	2.14
HISTORY-VI	1.89	2.13	2.37	2.13
POLITICAL SCIENCE-V	1.94	2.18	2.42	2.18
POLITICAL SCIENCE-VI	1.89	2.13	2.36	2.13
ADVANCED TELUGU-V	1.89	2.12	2.36	2.12
ADVANCED TELUGU-VI	1.91	2.15	2.39	2.15
SIXTH SEMESTER				
HISTORY-VII	1.93	2.17	2.42	2.17
POLITICAL SCIENCE-VII	1.91	2.14	2.38	2.14
ADVANCED TELUGU-VII	1.92	2.16	2.40	2.16
CLUSTER-I ADVANCED TELUGU	1.93	2.17	2.41	2.17
CLUSTER-II ADVANCED TELUGU	1.90	2.14	2.38	2.14
CLUSTER-III ADVANCED TELUGU	1.91	2.15	2.39	2.15
AVG	1.88	2.21	3.13	2.30



Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey and employer survey

Graduate Exit Survey and Employer Survey:

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BA (HTP)

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Opinion about UG Programme in BA (HTP) at SPW	
2.	Ability acquired to apply knowledge of Mathematics, Statistics and Computer science in real time.	
3.	Competence developed to analyze and interpret data and design complex computing system or process specific needs.	
4.	Skill gained to apply modern engineering tools and techniques for engineering practice.	
5.	Responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically.	
6.	Leadership qualities and team spirit inculcated through various student development programmes.	
7.	Zeal to engage in, to resolve contemporary issues and acquire lifelong learning.	
8.	Overall Rating for SPW	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Questions	Q3	Q3	Q3, Q4	Q4, Q5	Q5	Q6, Q9	Q6	Q6	Q7	Q7

PSOs	PSO1	PSO2	PSO3	PSO4
Questions	Q3	Q5, Q6, Q8	Q7, Q8	Q3, Q4

2. Alumni Survey:

Feedback is taken from alumni. Relevant questionnaire in alumni survey form to evaluate attainment of POs and PSOs is given in section (i) and relation of POs & PSOs with questionnaire is given in section (ii).

(i) Questionnaire Format

Kindly rate the following criteria on a scale of 1-3. Your genuine response will be helpful for the continuous quality improvement of our UG Programme in BA (HTP).

3. Excellent 2. Good 1. Poor

Sl.no	Criteria	Rating
1.	Extent of curriculum meeting the industry needs	
2.	Your ability to apply knowledge and design electronic system or process to meet desired specifications and needs.	
3.	Benefit from value added certifications, workshops and training programmes conducted during your course.	
4.	Your ability to use techniques, skills and modern engineering tools necessary for engineering practice.	
5.	Benefit from communication skills, presentation skills and leadership qualities gained from the co-curricular and extracurricular activities	
6.	Your ability to engage in, to resolve contemporary issues and acquire lifelong learning.	
7.	Competence to function on multidisciplinary teams	
8.	Skills attained to create, select and apply appropriate techniques, resources and modern engineering and IT tools.	
9.	Extent of Ethical, social and environmental values inculcated, helping you to relate Electronics and Communication engineering issues with societal needs.	

(ii) Relation of POs and PSOs with questionnaire

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Questions	Q3	Q3, Q5	Q3	Q5	Q5	Q5, Q10	Q8, Q10	Q10	Q8	Q6

PSOs	PSO1	PSO2	PSO3	PSO4
Questions	Q3, Q4, Q5	Q5, Q7, Q10	Q6, Q4, Q8	Q2, Q7, Q8

(iii) Evaluation Process

RUBRICS	
60% People are giving above 3	1 (LOW)
70% People are giving above 3	2 (MEDIUM)
80% People are giving above 3	3 (HIGH)

Indirect Attainment

Survey														
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
Graduate Exit Survey	3	3	1	2	2	3	2	3	1	2	2	1	2	2
Employer survey	2	3	2	2	1	2	2	2	2	2	3	3	3	1
Alumni Survey	3	3	3	3	2	2	1	1	2	2	2	2	2	2
Indirect Attainment	2.6	3	2	2.3	1.6	2.3	1.6	2	1.6	2	2.3	2	2.3	1.6

Overall Attainment of PO;

Final PO attainment comprises of both Direct method and Indirect method hence the found calculated value (PO attainment) are listed out corresponding to their CO. And summing up them provides the PO attainment based on the weightage allocated as shown below.

$$O_i = 80\% \text{ of } D_i + 20\% \text{ of } I_i$$

where D_i – Direct Attainment of each PO I_i – Indirect Attainment of each PO

SURVEY	PO ATTAINMENT													
	PO 1	PO 2	PO3	PO 4	PO 5	PO6	PO7	PO 8	PO9	PO 10	PSO 1	PSO 2	PSO 3	PSO 4
Direct	2.08	1.12	1.48	1.45	2.27	1.55	1.12	2.55	1.48	1.95	1.85	2.17	2.27	2.25
Indirect	2.6	3	2	2.3	1.6	2.3	1.6	2	1.6	2	2.3	2	2.3	1.6
80% Direct	1.66	0.89	1.18	1.16	1.81	1.24	0.89	2.04	1.18	1.56	1.48	1.73	1.81	1.8
20% Indirect	0.52	0.6	0.4	0.46	0.32	0.46	0.32	0.4	0.32	0.4	0.46	0.4	0.46	0.32
Po attainm ent	2.18	1.49	1.58	1.62	2.13	1.7	1.21	2.44	1.50	1.96	1.94	2.13	2.27	2.12

