



St. Joseph's College For Women (Autonomous) Visakhapatnam

Attainment of Programme Outcomes and Course Outcomes as Evaluated by the institution

Measurement of **Level of Attainment (LOA)** of POs and COs is crucial for the evaluation of the extent of realization of the envisioned goals in the institutional Vision & Mission. Predefined benchmarks were set for the computation of **LOA of POs and COs**. But originally set Benchmarks had to be modified (lowered) in view of the pandemic situation.

LOA Computation Methodology for COs: Computation of 'Level of Attainment of COs' for a Course involved both:

1. **Direct Assessment tools**
2. **Indirect Assessment tools.**

1. Assessment of Direct LOA of COs: It is indeed a fact that, the first three learning levels, namely, 'remember, understand and apply' and to some extent, the fourth level, 'analyze' can be assessed by conducting standardized blueprint-based examinations (**SA/ESE**) where students are permitted limited amount of time. Higher order abilities like analysis, evaluation and creation can be assessed through Formative assessment (**FA**) and also through extended Course learning activities like projects and internships. Therefore, students' overall performance in **FA+SA** in any given Course is considered as a '**Direct LOA assessment tool**' and the median mark of students for that course is identified. This median value is expressed as a percentage against the predefined benchmark value to obtain the **Direct LOA of COs** for that Course.

Benchmark for every Course was originally set as 'the average of the marks secured by top 25% performers of the previous batch in the same Course'. However, due to the pandemic situation, since several alterations were made in the teaching and testing methodologies, these benchmarks were disregarded, and newer and more realistic benchmarks were set and LOA(Direct) was calculated.

2. Assessment of Indirect LOA of COs: Computation of **Indirect LOA of COs** is done through students' online **Course Feedback Survey** wherein a structured questionnaire was administered to students and their response is solicited on a 5point scale with respect to all the Courses pursued by them in that semester. Questions were designed to elicit information on 1. Course's contribution to increase in knowledge 2. Depth of the Course 3. Relevance of reading material 4. Effort required for learning the Course and 5. Usefulness of teaching methodologies. Responses are consolidated and the **median** value of respondents' overall satisfaction level (against a maximum of 5) wrt the Course is computed as a % and taken as **Indirect LOA of COs** for that Course.

The average of the two scores (**Direct LOA & Indirect LOA**) is taken as the **Level of Attainment of COs** for that Course.

LOA Computation Methodology for POs: Only 4 POs are considered as tangible Outcomes that could be calibrated immediately after graduation which includes:

1. Students' Progression to Higher Education
2. Placements
3. Internships
4. Overall Satisfaction level on the Institution with respect to the expected outcomes.

These are computed based on student responses from online **SSS** and **Exit Survey** after the completion of UG/PG. Exit survey had questions pertaining to graduates' Future Plans – Higher Education/Job/self-employment / preparing for competitive exams/home maker etc.

The number of students who opted for job in the exit survey is taken as benchmark value for computing **LOA for Placements** Outcome. The number of students who actually got placement is expressed as a percentage of this benchmark value and shown as **LOA for Placements** (Programme Outcome).

- The number of students who opted for Higher Education in the exit survey is taken as benchmark value for computing **LOA for Progression to Higher Education** Outcome.
- The number of students who progressed to higher education is expressed as a percentage of this benchmark value and shown as **LOA for Progression to Higher Education** (Programme Outcome).
- Number of students who could participate in virtual/real internship/field project studies in 20-21 is calculated as percentage against the total number of final year students and is projected as **LOA for Internship** (Programme Outcome).
- SSS has a question on satisfaction level of fulfilment of expectations from college (Q No 20). Percentage of students with greater than 60% satisfaction against total number of respondents is shown as **Overall LOA** (wrt expected POs).

Computation of Level of Attainment of POs

Direct Assessment of UG and PG

Programme	Pass % of 2017-2020 (17AE)	Target set for 2018-21 Batch	Pass % of 2018-2021 (18AF)	Direct % LOA wrt Target
BA	97.87	92	91.92	99.91
BSc	86.77	81	85.35	105.37
BSc HSc	93.02	88	94.34	107.2
BCom	98.11	93	91.38	98.25
BBA	97.14	92	89.13	96.88
MA English	88.89	83	100	120
MSc Chemistry	40	35	30	85.71
MSc Mathematics	43.9	39	42.3	108.46
MSc Home Science	95	90	90	100
MSc Psychology	NA	95	100	105.26
MHRM	NA	95	100	105.26

Indirect Assessment of UG and PG

Programme	No. of Students opted for job in Exit survey	No. of students placed	% LOA in placements (1)	No. of students opted for HE in exit survey	No. of students progressed to	% LOA in HE (2)	No. students responded for Satisfactory level of expectations from the college	Satisfactory level between 60-100%	% LOA in Satisfactory level (3)	SSS response consolidated to 100% (4)	Indirect LOA (Average of 1,2,3&4)
					Higher Studies						
BA	12	1	8.33	52	27	51.92	67	63	94.02	45	50
BSc +BSc HSc.	82	60	73.17	139	95	68.34	242	229	94.62	40.43	69.14
BCom	14	5	35.71	30	23	76.66	45	45	100	94.64	76.75
BBA	5	1	20	33	18	54.54	41	40	97.56	95.45	66.88

Level of Attainment of Programme Outcomes of all the Programmes

POs Assessment	B.Sc.+B.Sc.. H.Sc	BA	BCom	BBA
Direct assessment	106.29%	99.91%	98.25%	96.88%
Indirect assessment	69.14%	50%	76.75%	66.88%
Final assessment	87.72%	74.95%	87.50%	81.88%