



SRI KRISHNA DUTT ACADEMY

(Recognised by NCTE and Affiliated to University of Lucknow)

**POs & COs
Evaluation and Attainment**



Sri Krishna Dutt Academy (Affiliated to Lucknow University Lucknow)

Programme Outcomes (POs) and Course Outcomes (COs) are evaluated by the Institution

Attainment of programme outcomes (POs) and course outcomes (COs)

Outcomes are the abilities the students acquire at the end of the program/course. The result of Course Outcomes (COs) attainment will also be used to evaluate the attainment of Programme Outcomes (POs).

The inputs of the course outcomes are provided to the concerned faculty which is followed by the establishment of correlation between Programme Outcomes (POs) and Course Outcomes (COs) for different programmes.

Ours being an affiliated College, the syllabi and course contents of all the Ug programmes are prepared by the affiliating University i.e. Lucknow University, Lucknow, U.P. As per existing rules, the College obeys 75-25 assessment pattern (75-End semester University examination and 25- internal assessment) for all programmes.

Matrix Method

The IQAC of the College has approved the recommendations of the Committee constituted for developing a process/method for the attainment of COs and POs which are given below:

Attainment of COs

Level 1: (40 to <50) % of the students scored more than the overall class average in the End Semester University Examination as well as Internal Assessment Marks

Level 2: (50 to <60) % of the students scored more than the overall class average in the End Semester University Examination as well as Internal Assessment Marks

Level 3: (60% and above) of the students scored more than the overall class average in the End Semester University Examination as well as Internal Assessment Marks

Proposed Attainment Level: It is proposed to have level 2 as target level for the attainment of COs.

Course Attainment Level= X+Y, where



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X=75% of the corresponding level in external Assessment i.e. in the End Semester University Examination

Y=25% of the corresponding level in the Internal Assessment Marks.

While computing for average marks, the nearest whole number will be considered.

The attainment of COs and POs for the programmes having scheme other than 75-20 (say 80-20) can also be checked using the same concept except here X and Y would correspond to 80% and 20%

To clarify the process, consider the following example:

Let us take a specific course in a particular Academic Programme say B.Com. following 75-25 scheme. Suppose 52% of students scored more than overall class average in the end semester university examination. This corresponds to LEVEL 2. Let 65% scored more than class average in the internal assessment marks. This corresponds to LEVEL 3. Hence the Course attainment level for this specific course=

75% of level 2 =1.5

25% of level 3 =0.75

Course Attainment Level= X+Y

Total=1.5+0.75 = 2.25, which is more than 2- the minimum attainment level IQAC have decided and approved as the benchmark.

Hence COs for this course have been fully attained.

Example for Calculations:

Let us take an example of the Programme say B.Com.

There might be say 6 courses. Let us take

COURSE 1

No of students appeared in the last semester University examination=60

Average marks obtained=45, say

Number of students who got more than 45 marks=40, say

% of students who got more than 45 marks= $(40/60) \times 100 = 66\%$ which is more than 60% and therefore corresponds to level 3.



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Similarly, find out average marks obtained by the same students in internal assessment marks =12, say out of 20

Let number of students who got more than 12 marks=50, say.

% of students who got more than 15 marks= $(50/60) \times 100 = 84\%$ say. This also corresponds to level 3.

Let us now calculate the score we obtain for attainment of COs:

Course attainment level= 75% of the corresponding level in external Assessment i.e. in the End Semester University Examination i.e. (X) and 25% of the corresponding level in the Internal Assessment marks i.e. (Y).

Here Course Attainment Level = $X (75\% \text{ of } 3) + Y (25\% \text{ of } 3) = 2.25 + 0.75 = 3.0$ which is more than 2 - the minimum attainment level IQAC has decided and approved as the benchmark.

Hence, the COs for this course have been fully attained.

Similarly, further calculations for the other courses can also be made.

Attainment Criterion for POs

The various categories as approved by the IQAC of the College are as under:

Category 1: Attainment Level More than 0.5 but less than or equal to 1.0 (Poor)

Category 2: Attainment Level More than 1.0 but less than or equal to 1.5 (Average)

Category 3: Attainment Level More than 1.5 but less than or equal to 2.0 (Good)

Category 4: Attainment Level More than 2 but less than or equal to 2.5 (Very Good)

Category 5: Attainment Level More than 2.5 (Excellent)

Proposed Attainment Level: It is proposed to have level corresponding to Category 3 as target level for the attainment of POs.

POs attainment= 80% of A + 20% of B, where A is the outcome level (calculated on the basis of % of students obtaining marks greater than the average marks of all courses (external + internal) taken together in that programme) and B is the average of levels obtained from the feedback collected through a structured questionnaire from the passed-out students.

A is calculated from Direct Method and B is calculated from indirect method.



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DIRECT METHOD

In direct assessment, the outcome level (calculated on the basis of % of students obtaining marks greater than the average marks of all courses (external + internal) taken together in that programme) is considered.

INDIRECT METHOD

The indirect method of evaluation is done through feedback through a structured questionnaire from the passed out/ outgoing students. This feedback serves as the genuine opinion of the students in the POs attainment.

Example:

Let us take a programme, say B.Com. which has 60 students in the end semester. Let there be 6 courses. Calculate outcome level (calculated on the basis of % of students obtaining marks greater than the average marks of all courses (external + internal) taken together and take it as A. Get 80% of A.

Similarly find the average of levels obtained from the feedback collected through a structured questionnaire from the passed-out students and take it as B. Get 20 % of B.

Attainment level=80% A+20% B

If it exceeds the minimum attainment level i.e. 2 (as decided and approved by the IQAC, then attainment is achieved, and the category is defined accordingly.


The entire process will be represented as

Course Outcome-Programme Outcome in the form of a Matrix.

References:

1. Soragaon, B. & Mahesh, K. S. (2016). Measuring Attainment of Course Outcomes and Program Outcomes – A Simplified Approach as per Self-Assessment Report, *IOSR Journal of Research & Method in Education (IOSR-JRME)*, 6 (4), 13-18.
2. Tiwari, R.K. (2017). Course Outcomes and Program Outcomes Calculations: New Method based on Attainment Level from <https://www.slideshare.net/RavikumarTiwari1/course-outcome-and-program-outcome-calculation-new-method> accessed on 09-Dec-2018.
3. Othman, N.T.A et. al. (2011). Assessment of Programme Outcomes through Exit Survey of Chemical/Biochemical Engineering Students, *Procedia Social and Behavioral Sciences*, 18, 39–48.




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PROGRAM CONTENTS AND CURRICULUM DELIVERY
ASSESSMENT QUESTIONNAIRE

Dear Student

Congratulations on coming to the end of your program at Sri Krishna Dutt Academy. As part of our program improvement effort, the college would appreciate feedback on your experiences in the college and its impact on your accomplishments and future plans. Your candid responses will help us to enhance the quality of our programs.

All information will be kept confidential.

Thanks you for your cooperation

Q1. When did you first enrol at Sri Krishna Dutt Academy and in which program? Year

Program

Q2. Do you get availability of course information through website and brochure for each program?

1) Yes 2) No 3) Not Sure

Q3. Have you noticed the program specific outcomes, program outcomes and course outcomes in the college website?

1) Yes 2) No 3) Not Sure

Q4. Have you read about the outcomes of the program before taking admission in that particular program?

1) Yes 2) No 3) Not Sure

Q5. Do you find the program outcomes relevant to your academic and professional goals?

1) Yes 2) No 3) Not Sure

Q6. Describe your immediate plans after graduation.

1) Job 2) Further study 3) Entrepreneur 4) Others

Q7. What choice of industry you want to work with?

1) Manufacturing 2) Service 3) Consultancy 4) Education
 5) Govt. Bodies 6) Others

Q8. To what degree do you feel you are able to attain your goals after completion of this program?

1) Not attained at all 2) Partly attained 3) Mostly attained

Q9. Did this program increase your job prospects?

1) Yes 2) No 3) Not Sure



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Name of Programme: B.Com. (Bachelor of Commerce)

PROGRAMME OBJECTIVE

The objective of the B.Com. programme at the University of Lucknow is to familiarise students with principles and concepts in the discipline of Commerce. The student will gain in-depth knowledge of accounting, finance, business law, marketing, tax and costing. This program aims to provide students with specific knowledge and skills relevant to their career. The programme aims to make students aware of the new and emerging trends in the field of Commerce.

PROGRAMME OUTCOMES

This programme offers great career options and opportunities for students by providing them with relevant core and specific knowledge skills in the discipline of Commerce.

PO1. This programme would provide qualified graduates to the corporate sector, banking sector, insurance sector, financing service sector to meet their employment requirements.

PO2. Students can gain specialization in the field of Accounting, Costing, Finance and Taxation and acquire application-oriented skills.

PO3. Students can independently Start-up their own Businesses as well as avail of self-employment opportunities.

PO4. This programme imparts skills to students to sharpen their decisions making abilities both at personal & professional level.

PO5. Students will gain thorough knowledge in the field of finance and commerce and stand out in any organization. Students will develop an attitude for working efficiently and effectively in the business environment.

Define your level of achievement towards Programme Outcomes (Tick one option)

Response	Very low	Low	Good	Very Good	Excellent
Level	0	1	2	3	4
PO1					
PO2					
PO3					
PO4					
PO5					

Name:

Class:



Signature
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Analysis for Indirect Assessment

Programme Name: B.Com.

Number of Programme Outcomes: 05

No. of students who passed the programme: 40 (Session 2021-24)

Average of level of achievement towards Programme Outcomes (POs)

Sr. No.	Name of Student	Response Level				
		PO1	PO2	PO3	PO4	PO5
1.	Abhishek Gupta	4	3	3	2	3
2.	Aditi Katiyar	4	2	4	3	1
3.	Ankit Aryan	4	2	2	3	3
4.	Ankit Kumar Pandey	3	3	4	2	1
5.	Ankush Tandon	3	3	4	2	1
6.	Arima Gupta	2	4	4	3	3
7.	Ayush Kashyap	3	3	2	4	1
8.	Bhavna Rana	1	2	4	4	3
9.	Devesh Awasthi	3	3	2	3	2
10.	Dipanshi Sharma	2	3	4	3	2
11.	Disha Singh	2	3	4	3	2
12.	Harshit Dwivedi	3	4	3	2	3
13.	Himanshu Kukreja	4	4	3	4	2
14.	Jasmin Pandey	2	3	4	3	3
15.	Kaushiki Singh	3	2	4	3	3
16.	Khushbu Avtar	4	4	3	3	4
17.	Khushi Singh Bisht	4	3	4	2	3
18.	Laxmi Sharma	4	3	2	3	4
19.	Mayank Thakur	3	4	3	2	3
20.	Mridul Kumar	3	4	4	3	4
21.	Naomi Dhal	4	3	4	2	4
22.	Nijita Verma	4	3	2	3	4



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23	Palak Dubey	3	4	4	3	2
24	Palak Sahu	3	2	2	4	3
25	Pragya Sharma	4	3	2	4	3
26	Prakriti Abrol	1	2	3	4	4
27	Priya Yadav	1	2	3	4	3
28	Rishuriya Yadav	2	3	4	3	2
29	Riya Dixit	3	4	3	2	1
30	Rudraksh Sharma	2	3	4	4	3
31	Sahil Chauhan	4	3	2	3	3
32	Saloni Kumari	4	4	3	3	2
33	Saurabh Yadav	2	2	4	3	3
34	Saurabh Yadav	3	3	3	2	4
35	Shipra Singh	2	3	4	3	4
36	Shivam Negi	4	3	2	4	3
37	Shubham Yadav	4	3	2	3	4
38	Tanu Pal	4	2	3	3	2
39	Vishakha Bistha	3	3	4	2	3
	Average Response Level (Sum Total / 39)	118/39= 3.02	117/39= 3.0	125/39= 3.20	116/39= 2.97	108/39= 2.77
	Cumulative average for PO attainment from Indirect Method (B)	14.96/5 = 2.99				
	20% of B	0.598				




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