

# Karnataka State Akkamahadevi Women University Vijayapura

Sl.No	Department	PO, PSO and CO List
1	Kannada	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Kannada-PO-PSO-and-CO.pdf
2	English	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/English-PO-PSO-and-CO.pdf
3	Hindi	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Hindi-PO-PSO-and-CO.pdf
4	Urdu	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Urdu-PO-PSO-and-CO.pdf
5	Music	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Music-PO-PSO-and-CO.pdf
6	Economics	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Economics-PO-PSO-and-CO.pdf
7	History	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/History-PO-PSO-and-CO.pdf
8	Journalism & Mass Communication	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/JMC-PO-PSO-and-CO.pdf
9	Library & Information Science	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/MLISc-PO-PSO-and-CO.pdf
10	Social Work	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/MSW-PO-PSO-and-CO.pdf
11	Sociology	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Sociology-PO-PSO-and-CO.pdf
12	Women Studies	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Women-Studies-PO-PSO-and-CO.pdf
13	Political Science	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Political-Science-PO-PSO-and-CO.pdf
14	Physics	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Physics-PO-PSO-and-CO.pdf
15	Chemistry	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Chemistry-PO-PSO-and-CO.pdf
16	Mathematics	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Mathematics-PO-PSO-and-CO.pdf
17	Botany	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Botany-PO-PSO-and-CO.pdf
18	Zoology	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Zoology-PO-PSO-and-CO.pdf
19	Computer Science & Applications	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Computer-Science-And-Applications-PO-PSO-and-CO.pdf
20	Statistics	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Statistics-PO-PSO-and-CO.pdf
21	Electronics	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Electronics-PO-PSO-and-CO.pdf
22	Pharmaceutical Chemistry	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Pharmaceutical-Chemistry-PO-PSO-and-CO.pdf
23	Food Processing & Nutrition	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/FPN-PO-PSO-CO-Syllabus.pdf
24	Bio-Informatics	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Bio-Informatics-PO-PSO-and-CO.pdf
25	Bio-Technology	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Biotechnology-PO-PSO-and-CO.pdf
26	Commerce	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Commerce-PO-PSO-and-CO.pdf
27	Management Studies	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/MBA-PO-PSO-and-CO.pdf
28	Education	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Education-PO-PSO-and-Co.pdf
29	Physical Education	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/Physical-Education-PO-PSO-and-CO.pdf
30	PGDCM	http://ka.kswu.ac.in/Uploads/PO-PSO-CO/PGDCM-PO-PSO-and-CO.pdf

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# KARNATAKA STATE AKKAMAHADEVI WOMEN UNIVERSITY, VIJAYAPURA INTERNAL QUALITY ASSURANCE CELL

# Procedure for attaining COs, POs/PSOs and PEOs

1. Departmental committee will finalize course outcomes for each course after the series of discussions with all the teachers of the department.

## 2. Procedure for attainment of COs:

Course outcomes will be attained through direct and indirect methods.

- Direct Attainment: We will consider the following criteria in the direct attainment
  - ♦ Two Internal tests will be conducted based on COs
  - ♦ Class performance activities consisting of assignments / tutorials/ experiments/quiz/any other activity related to COs will be conducted
  - External exam marks will be considered.
- Indirect Attainment: In this method, we consider the feedbacks of students, parents, alumni and parents on the framed questionnaires.

A common format of programmed excel sheet will be used for finding the average attainment of Cos.

The following table shows the three target levels: Low, Moderate and High attainment for direct and indirect methods

Level	Average Percentage Level		
1 (Low)	41-50%		
2 (Moderate)	51-60%		
3 (High)	61% and above		

2.4 Target level for attainment of Cos will be set based on average marks of that course in the previous academic year.

Attainment Level Calculation for each CO=

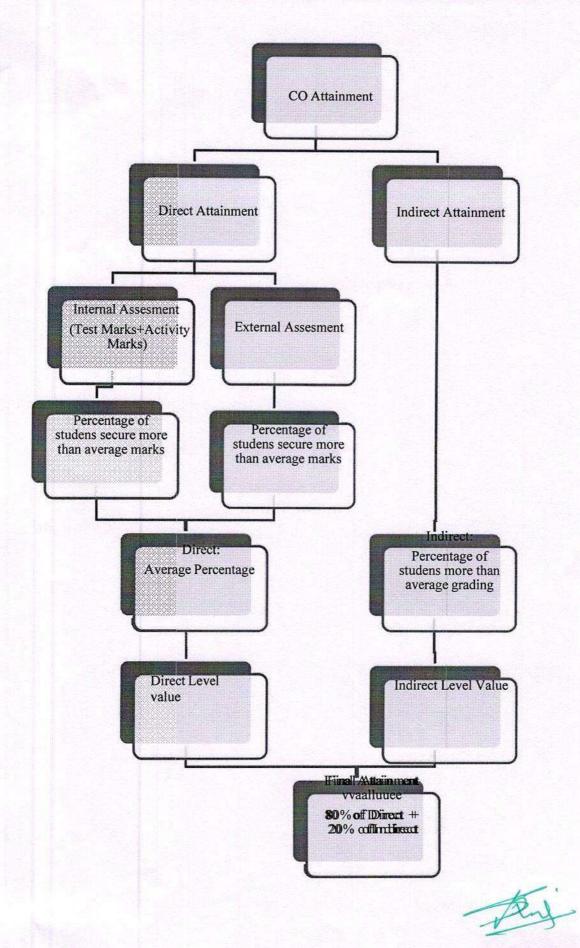
80% of direct level + 20% of indirect level of that CO

Attainment level of all course outcomes of a course will be displayed in a table format.

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# 3. CO-PO Mapping:

Each Course outcome will be mapped to one or more suitable POs

## 4. Procedure for attainment of POs/PSOs:

Program outcomes will be attained through direct and indirect methods.

• Direct Attainment: We will consider all the courses which are mapped to a particular PO. Then the direct attainment value will be calculated based on the following formula:

Direct PO Attainment = Sum of the average attainment level of the course outcomes mapped to a PO

Total number of courses

• Indirect Attainment: In this method, we consider the feedbacks of students, parents, alumni and parents on the framed questionnaires.

Final PO attainment= 80% of Direct attainment + 20% Indirect attainment The following table shows the five target levels:

Level	PO attainment range
1 (Poor)	0.5<=PO attainment value<1
2 (Average)	1<=PO attainment value<1.5
3 (Good)	1.5<=PO attainment value<2
4 (Very Good)	2<=PO attainment value<2.5
5 (Excellent)	2.5<=PO attainment value<=3

Target levels for attainment of POs/PSOs will be set based on the performance of the previous year.

4.4 Same procedure will be used for obtaining attainment of PSOs.

# 5. Procedure for attainment of PEOs:

We map POs and PSOs with suitable PEOs.

Direct attainment of PEO=Sum of the attainment level of P0s and PS0s mapped to a PEO
Total number of P0s and PS0s

Indirect attainment of PEOs is based on the feedbacks of students, parents, alumni and parents on the framed questionnaires.

Final PEO attainment= 80% of Direct attainment + 20% Indirect attainment

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- **6.** Attainment of Mission is calculated by mapping PEO's with the Mission statements and assigning the scores.
- 7. The achievement of vision is evaluated on the basis of Mission attainment values.
- 8. The sample of CO- PO Mapping, Sample Calculation of CO PO attainment are shown below

# **CO-PO Mapping**

Course Name and code	CO/PO	PO1	PO2	PO3	PO4	PO5
Group Theory	CO1	V	1			
MTU 101	CO2	,		1		1
	CO3		,			1
	CO4	1	,	1	1	
Real	CO1		1			,
Analysis MTU 102	CO2			1		1
W110 102	CO3					lane.
	CO4	1	,			
Complex	CO1	V	,		1	,
AnalysisMTU 103	CO2	<b>V</b>				,
103	CO3		1			,
	CO4	1	,			
Ordinary	CO1	V	,			1
Differential Equations	CO2			1		1
MTU 104	CO3	1	·			
	CO4			3		
Advanced Discrete	CO1	V	1			1
Mathematics MTU 105	CO2	•	10			1
WITO 103	CO3		1			1
	CO4	1			1	
Introduction to Probability	CO1		1			1
MTU 106	CO2					1
	CO3		1		e Parent	
	CO4	,	,	,		

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#### CO Attainment of a course

	Internal Average	Extenal Average	Direct	Level	Indirect	Level	Attainment 80% of direct+ 20% of indirect
CO1	53.57	62	57.785	2	70	3	2.2
CO2	55	62	58.5	2	85	3	2.2
CO3	60	62	61	3	90	3	3
CO4	63	62	62.5	3	65	3	3
	Group The	2.6					

### CO attainment verification

Course Name	Course code	CO Target Level	CO attainment Level	Fully attained or not	Action taken
Group Theory	MTU 101	2	2.6	Fully attained	
Real Analysis	MTU 102	2	2.4	Fully attained	
Complex Analysis	MTU 103	2	2.5	Fully attained	Villa Province
Ordinary Differential Equations	MTU 104	3	2.8	Not attained	More focus on end term examination
Advanced Discrete Mathematics	MTU 105	3	2.4	Not attained	Set the target level to 2
Introduction to Probability	MTU 106	2	2.2	Fully attained	

### PO attainment verification

PO's	PO Target Level	PO attainment Level	Fully Attained or not	Action taken
PO1	4	2.55	Fully Attained	
PO2	5	2.53	Fully Attained	
PO3	4	2.54	Fully Attained	
PO4	4	2.74	Fully Attained	Set higher level
PO5	5	2.42	Not attained excellent but reached to very good	

### Program Educational Objectives

PEO's	PEO Target Level	PEO attainment Level	Fully attained or not	Action taken
PEO1	2			
PEO2	3			
PEO3	2			
PEO4	3			
PEO5	3			

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