

## Five Days FDP on CO-PO Mapping, Course Attainment and Program Attainment Level

**Date: 26<sup>th</sup> To 30<sup>th</sup> March 2024**

**Time: 11:00 a.m. to 5:00 p.m.**

**Venue: Mini Auditorium ASM-CSIT**

**Introduction:** The event started with Saraswati Puja. It was followed by felicitation of Dr. Sudhakar Bokehode, Director of IPS, Dr. D.D. Balsaraf Sir, Member of Task Force Committee dignitaries on the Dias. Welcome address was given by Asst.Prof Pooja Nawadkar. All the faculty members of ASM-CSIT, IPS as well as other Colleges teaching staff also attended FDP on the CO-PO Attainment level.



The poster features the ASM logo at the top left, the college name 'Audyogik Shikshan Mandal's College of Commerce Science and Information Technology' in the top center, and a traditional Indian emblem at the top right. The central focus is a pyramid diagram of Bloom's Taxonomy with six levels: create, evaluate, analyze, apply, understand, and remember. Each level is accompanied by a list of associated cognitive skills. To the right of the pyramid, a white box contains the event details: 'JOIN US !!! FOR FACULTY DEVELOPMENT PROGRAM ON CO- PO MAPPING VENEUE:- MINI AUDITORIUM DATE:-26/03/2024 to 30/03/2024'. Below this, another white box states 'ORGANISED BY:- DR. LALIT KANORE (ASM CSIT)'. At the bottom left, contact information is provided: 'Mail us on:- [csit@asmedu.org](mailto:csit@asmedu.org)' and 'Contact us :- 9271880459'. At the bottom right, there are icons for WhatsApp, Instagram, and Facebook.

**Audyogik Shikshan Mandal's**  
**College of Commerce**  
**Science and Information**  
**Technology**

**Bloom's Taxonomy**

- create**  
Produce new or original work  
Design, construct, contribute, conjecture, develop, formulate, invent, investigate
- evaluate**  
Justify a stand or decision  
Appraise, argue, defend, judge, select, support, value, weigh
- analyze**  
Draw connections among ideas  
Differentiate, organize, compare, contrast, deconstruct, examine, experiment, generate, test
- apply**  
Use information in new situations  
Execute, implement, solve, use, administer, interpret, operate, activate, apply
- understand**  
Explain ideas or concepts  
Identify, describe, discuss, explain, identify, locate, recognize, report, sketch, summarize
- remember**  
Recall facts and basic concepts  
Define, duplicate, list, memorize, repeat, state

**JOIN US !!!**  
**FOR FACULTY**  
**DEVELOPMENT**  
**PROGRAM ON**  
**CO- PO MAPPING**

**VENEUE:-**  
**MINI**  
**AUDITORIUM**

**DATE:-26/03/2024**  
**to 30/03/2024**

**ORGANISED BY:-**  
**DR. LALIT KANORE (ASM CSIT)**

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## Objective:

1. To introduce concepts of Course, Program, OBE, Course Outcomes, Program Outcomes & Program specific Outcomes..
2. To be able to define Course Outcomes based on Bloom's Taxonomy.
3. To be able to set up internal CCE types.
4. To be able to learn Direct and Indirect method of Course Outcome attainment level.
5. To be able to fulfil basic need of CO-PO Mapping of the individual student as per SPPU norms.





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**Report:** Day -1 Faculty Development Program started in an energetic manner as the presentation was really interesting. The session was interactive. Dr. Lalit Kanore, an epitome of brilliance focused on lot of concepts about the course, course outcome, and program outcome. Dr. Kanore sir highlighted the concepts like Course, program, bloom's taxonomy, and lower order thinking skills, higher order thinking skills, course outcome, program outcome, and CO-PO attainment level.

All the participant teachers were divided into the four groups having minimum eight individuals each, representing a variety of streams. These participants met separately in separate classrooms for group activities. They were instructed to construct any one course and determine the course outcomes based on bloom's taxonomy. During the interaction Dr. Kanore sir guided per group later in the half of the sessions where teachers were doing their practical sessions.





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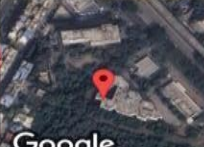


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**Day-2** All four group leaders presented their course outcome. Individual groups presented their CCE's also. Group A framed Course named as "Business Communication" and calculated course outcome. They took a CCE'S as MCQ examinations, Written test and Viva/ Role Play. Group B framed course named "Diploma in Skill in Computer Accounting and Management" & mapped according to all Course outcomes. Group C framed a Course named as "Bachelor of Computer Management" and they framed question paper of 70 marks under CCE evaluation and prepared a course outcome. Similarly, Group D framed a course named as "Banking and Finance" and prepare a question paper of 30 marks so that each student can able to solve the question paper.




**Calculate Course Attainment level (ESE)** 

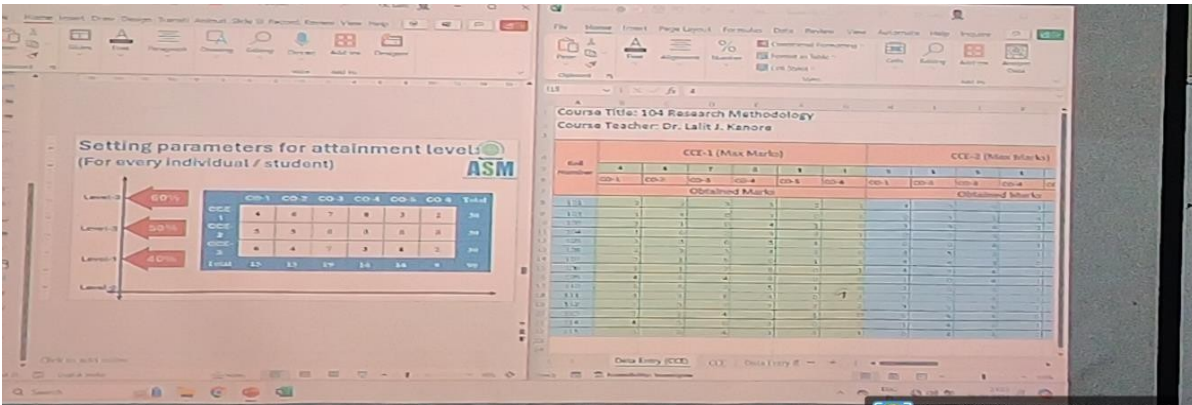
Calculate Course Attainment level:

Evaluation	Level Attained	Weightage	Value
External (ESE)	2	80%	1.6
Internal (COE)	1.8	20%	0.36
<b>Course Attainment Level</b>			<b>1.96</b>

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**Setting parameters for attainment levels**  
 (For every Individual / student)

	CO-1	CO-2	CO-3	CO-4	CO-5	CO-6	Total
CCE-1	4	6	7	8	3	2	30
CCE-2	5	5	8	5	6	2	31
CCE-3	6	4	7	3	4	2	26
Total	15	15	19	16	14	6	85

**Course Title: 104 Research Methodology**  
**Course Teacher: Dr. Lalit J. Kanore**

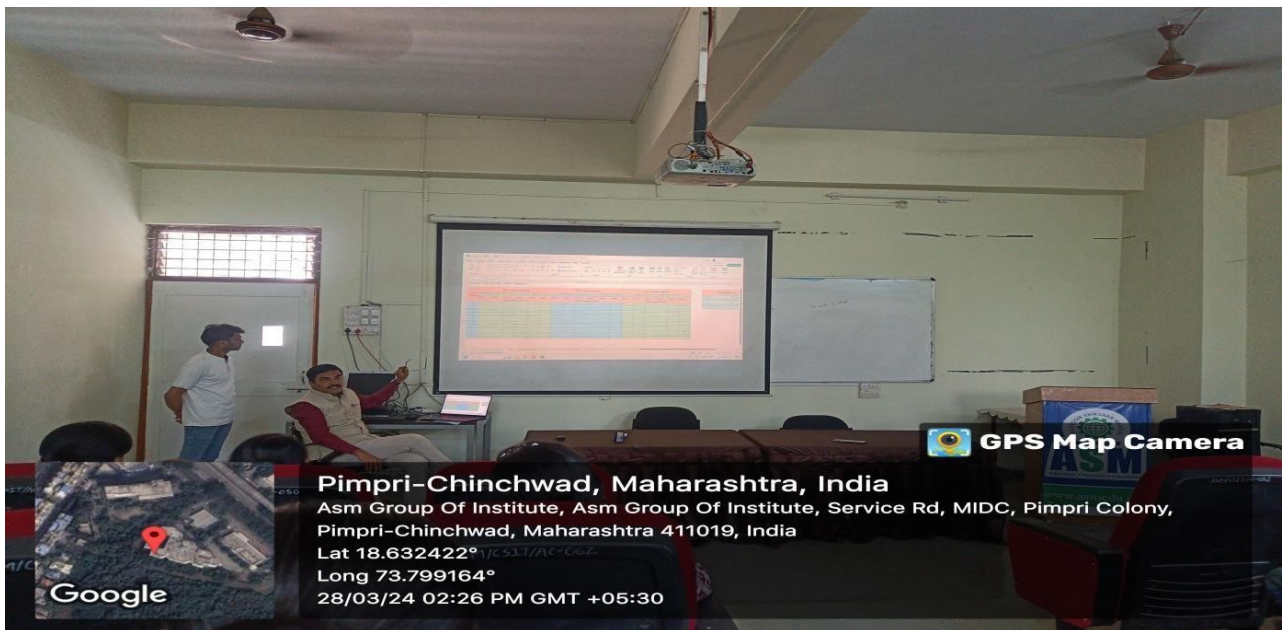
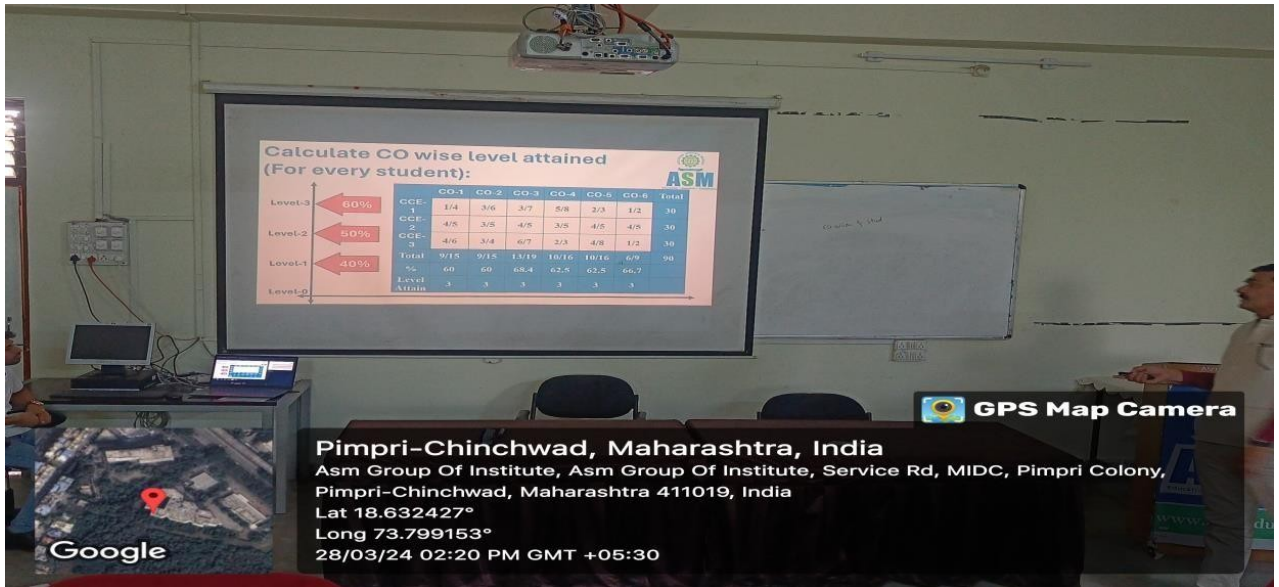
Roll No.	CCE-1 (Max Marks)					CCE-2 (Max Marks)				
	CO-1	CO-2	CO-3	CO-4	CO-5	CO-1	CO-2	CO-3	CO-4	CO-5
101	5	6	7	8	3	2	3	4	5	6
102	4	5	6	7	2	3	4	5	6	7
103	3	4	5	6	1	2	3	4	5	6
104	2	3	4	5	0	1	2	3	4	5
105	1	2	3	4	0	0	1	2	3	4
106	0	1	2	3	0	0	0	1	2	3
107	0	0	1	2	0	0	0	0	1	2
108	0	0	0	1	0	0	0	0	0	1
109	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0

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**Day-3** Dr. Lalit Kanore, sir, gave a thorough explanation of the CO mapping through PPT presentation. He also gave a very clear explanation of the course result mapping using Ms. Excel. Sir demonstrated all the formulas & how to enter the values of CO according to each student & reflected the direct and indirect ways of CO Mapping attainments according to Bloom's Taxonomy. We all four groups proceeded to the lab in the afternoon to do the CO attainment practical group-wise. Each group had a different topic, and each group's CO had been computed differently.



**Day-4 and 5** With an illustration on an Excel Presentation and a white board, Sir elaborated PO- attainment for each defined Specific Course. Each of the four groups had a distinct CO, and they computed PO based on their chosen course outcome. Ten program outcomes were defined by each group and the members of their team for the chosen courses. Each group determined the ultimate CO-PO accomplishment level by mapping 10 program outcomes to 6 course outcomes.





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**Outcomes:**

1. Teachers were capable of calculating their own course outcomes.
2. Teachers were capable to map course outcomes using several CCEs.
3. Teachers were capable to compute program outcomes using the course outcomes of the courses they framed.
4. Teachers were capable to determine their CO-PO accomplishment levels by using Excel formulae, all teaching faculty members can compute the CO-PO mapping for an entire class.
5. Teachers were capable to develop their own method to solve additional CO and PO mapping for an academic year.