ISO 9001:2015 AICTE-CII: GOLD Category Institute NAAC-'A' Grade Institute (CGPA: 3.21)

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
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काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत
కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము
(An Autonomous Institute under Kakatiya University, Warangal)
(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)
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Outcome Based Lecture Schedule (OBLS)

To promote active learning among the students, several intitatives have been started at Kakatiya Institute of Technology and Science, Warangal (KITSW). A tailer-made outcome-based lecture schedule (OBLS) and associated outcome-based lecture plan (OBLP) have been designed and implemented for all the courses being offered during the current academic year 2021-22. The salient features of OBLS include self-learning topics, self-learning resources in the form of faculty recorded videos and handouts, class discussion topics and textbook resources, lecture-level outcomes, lecture summaries, lecture-level practice problems (LLPs) to test attainment of lecture outcomes. The description of these has been presented in Table 1. All these course resources have been made available to students on learning management system (LMS) well before the start of course in a semester. A sample copy of OBLS has been shown in fig.1.

Table 1 Salient features of OBLS

S.No.	Feature	Description
1.	Self-Learning Topics (SLTs)	Basic/ Trivial content of the course which can be read by the student on his own.
2.	Self-learning resources in the form of faculty recorded videos and handouts,	Trivial content which can be learnt by the student on his own with the aid of handouts or pre-recorded videos
3.	Class Discussion Topics (CDTs)	Topics which are must-discussing in the classrooms
4.	Textbook resources	List of textbooks and the resources required for each lecture (including chapter, page and topic details)
5.	Lecture-Level Outcomes (LLOs)	Outcomes for each lecture
6.	Lecture Summaries (LS)	3 page document with lecture topics, content motivation, LLOs and lecture summary
7.	Lecture-Level Practice problems (LLPs)	Problems to test learning outcomes of that lecture

Semester Commencement Date: 24.01.2022					
Week	**Class**	**Topics (SLTs/CDTs)**	**Topic References (Text/Reference)**	**Lecture level Learning Outcomes (LLOs)** *Upon completion of this class, students will be able to ....*	**Remarks if any**
Week-1	Class-1 (24.01.2022)	SLT1: ----	---		*Due date for submission of A1:* 12.03.2022
		Course Introduction PPT	-----		*Presentation on CRP1& CP1 on:17.02.2022*
		CDT1: Need for load flow studies	Nagrath & Kothari; Chapter 6 Topics: 6.1 C. L. Wadhwa; Chapter 18 Topic: 18.0	Identify the need for load flow studies and state its significance in power system planning	*Due date for submission of CRP1 and CP1:* 12.03.2022
		• Identifying students to do presentation on CRP1, CP1 • Identifying students to do presentation on CRP2, CP2	----		
	Class-2 (25.01.2022)	SLT2: Bus admittance matrix	Nagrath & Kothari; Chapter 6 Topics: 6.2 C. L. Wadhwa; Chapter 18 Topic: 18.2	Compute bus admittance matrix (Ybus) by direct inspection method	
		CDT2: Problems on Bus admittance matrix	Nagrath & Kothari; Chapter 6 Topics: 6.3 Problems: Example 6.1, Example 6.2		

Sample copy of OBLS

***A detailed copy of OBLS has been provided in downloads section**