



CIRCULAR

Sub: LABORATORY MANUAL - OBSERVATION - RECORD BOOK - RUBRICS FOR CONTINUOUS INTERNAL EVALUATION (CIE) FOR LABORATORY COURSES- COURSE RESEARCH PAPERS (CRPs) - COURSE PATENTS (CPs) FOR B.TECH II SEMESTER STUDENTS - MODIFICATION OF MSE-I AND MSE-II TEMPLATES FOR A.Y. 2021- 22 - Reg.

Ref.1: 10.6 CONTINUOUS INTERNAL EVALUATION (CIE) FOR PRACTICAL (LABORATORY) COURSE - RULES AND REGULATIONS FOR B.TECH (URR-18).

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(i) LABORATORY MANUAL - OBSERVATION - RECORD BOOK:

Students are exempted from writing separate lab records for submission. Necessary skilling to be provided during experimentation in laboratory class itself and the lab CIE is to be suitably modified.

Accordingly, the existing laboratory manuals have to be modified with extra blank pages and graph sheets. The modified manual is a combination of **laboratory manual plus observation book plus record book**.

The student is expected to draw the circuit diagram, apparatus to use & their specifications, tabulating readings and making necessary calculations. Hence, additional pages to be given in the manual for accommodating the above works. If N number of graph sheets required for an experiment, then 2N graphs to be added in the modified manual. In the modified manual, the graph sheets are to be added after the experiment, wherever necessary (*Not at the end of the manual*).

Course faculty should observe and evaluate the students for their participation as an individual and as a member on a team, while doing the experiment. More emphasis to be given on viva-voce, during which time faculty should focus on communicating ability of student. Student shall be involved in explaining the experimental procedure followed / code written, analyzing the result, applications, ways in which the experiment can be extended and viva questions to assess students' active learning abilities

(ii) IMPORTANT: DOING ALL STIPULATED EXPERIMENTS IS MANDATORY FOR THE STUDENT TO APPEAR THE LABORATORY ESE.

To be eligible to attend Lab ESE, student has to complete all the stipulated experiments by **Week_(N-2)**. If any student is absent for a lab, he/she must complete that experiment within a week time with permission from the lab course faculty. As dept labs are being kept open beyond working hours, students should use this time to complete those experiments and get certified by the lab course faculty. Students, who have not completed all stipulated experiments, are not permitted to take lab ESE.

Hence lab course faculty should sensitize the students on this mandatory requirement and instruct students to follow these guidelines. Lab course faculty should take an undertaking from all students in prescribed format on this.

(iii) CONTINUOUS INTERNAL EVALUATION (CIE):

Continuous Internal Evaluation (CIE) for Practical (Laboratory) Course shall carry 40% weightage. CIE throughout the semester shall consist of the following for each experiment/lab

CIE- Assessment for experiments done in every lab	Weightage
<i>Experimentation / Job work/coding</i>	10%
<i>Participation as an individual while doing experiment (5%)</i>	10%
<i>Participation as a member on team while doing experiment (5%)</i>	
<i>Result analysis and Viva-voce</i>	10%
<i>Regular submission of Laboratory Manual - Observation - Record Book</i>	10%
Total Weightage	40%

(iv) ONE COURSE RESEARCH PAPER (CRP) & ONE COURSE PATENT (CP):

Based on feedback from students and faculty, there will only one (01) course research paper (CRP) and one (01) course patent (CP) for one theory course. Course faculty will discuss the CRP and students will have to submit a two-page report on CRP before the MSE-I examination. After MSE-I, the course faculty will discuss CP and students will have to submit a two-page report on CP before the MSE-II examination.

(v) MODIFICATION OF MSE-I AND MSE-II QUESTION PAPERS:

The MSE-I question paper will have one one-mark question on CRP and the MSE-II question paper will have one one-mark question on CP. The MSE-I & MSE-II templates are to be modified accordingly and uploaded in CourseWeb before the commencement of semester.

In this connection, the HoDs are requested to conduct a department faculty meeting, convey the above modifications and ensure compliance on the modified procedures. The inputs received during the dept faculty meeting shall be communicated to the undersigned for better implementation of student-centered active learning.



DEAN, ACADEMIC AFFAIRS

To,

1. All the HoDs for necessary action for compliance

Copy to:

1. The Principal
2. The AAC
3. The CoE, for necessary action
4. Faculty in-charge CourseWeb, with a request to do the necessary modifications
5. Faculty in-charge CMS, with a request to do the necessary modifications
6. The AO
7. The TPO
8. Academic Section