



## **Moodle Course Page Sequence for CBCGS Pattern** **( For subjects having dedicated faculty only for PRACTICAL )**

### **1. Course Content**

- Institute Academic Calender – File
- Departmental Academic Calender – File
- Syllabus – File
  - Individual Time Table – File
  - Course Objectives – File
    - Course Outcomes – File
    - CO-PO Mapping Matrix – File
      - Curriculum Gap if any – File
        - Action Proposed to bridge the curriculum gap – File
          - List of Experiment - File
          - Lab Teaching Plan – File
          - Reference Books / Resource web Link– File

### **2. Lab Manual – Folder \***

- List of Experiment - file
- Detailed Lab Manual – folder \*
- Summarized Lab Manual – folder \*
- Standard Output – folder \*

### **3. Innovative / Additional teaching Techniques / Tools to be used – File**

### **4. Standard Output File Format – file**

### **5. Lab sessions – Buttons**



Parshvanath Charitable Trust's  
**A. P. SHAH INSTITUTE OF TECHNOLOGY**  
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)  
(Religious Jain Minority)

**NOTATIONS :**

\* : Make sure while inserting any folder on course page, “inline on course page” option must be disable. i.e sub content of folder should not be inline on course page.

**NOTE :**

- Use Button format for Lab sessions instead of creating links. : applicable to SE & TE subjects ( For new syllabus subjects only) (As shown in figure 01)
- For final year subject course page, Experiment links to be appear under lab sessions, must be like Experiment links given on Software Engg course page.
- For final year subject course page, links to be appear under lab session, must be like links given on Software Engineering course page.
- Maintain missed practical report in hard copy only. Dont keep it on moodle.

 **Experiment No 01**

**Title:- Implementation of Stack menu driven program**

**Prerequisites:-** Students should have basic knowledge of how to write and compile the C program using gcc. Students must know the basics of arrays and structures in C.

**Problem Statement:-** Implementation of Stack using array where insertion and deletion of elements is done only from one end. The top most element of the stack is pointed by "TOP" pointer. Students are expected to design stack ADT which consists of core operations as PUSH( ) function to insert the element, POP( ) function to remove the element, DISPLAY( ) to display all the elements of the stack.

**Other than core ADT, students are expected to implement the functions of stack to display STACK\_SIZE( ), STACK\_TOP( ), IS\_EMPTY( ), IS\_FULL( )**

Figure 01



Parshvanath Charitable Trust's  
**A. P. SHAH INSTITUTE OF TECHNOLOGY**  
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)  
(Religious Jain Minority)

- In CBCGS pattern, if faculty is assigned theory & laboratory of same subject then the faculty is expected to use the pattern of CBSGS for moodle updation.
- In addition to these guidelines, faculties are expected to add following blocks on their course page :
  1. Activities
  2. Latest News
  3. Progress Bar
  4. Calender
  5. Statistics