ADVANCED APPLICATIONS [ICT: 2201]

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY

FACULTY OF TECHNOLOGY

PROJECT ASSIGNMENT : 01

Answer all questions and submit it on or before 14th June 2018

INSTRUCTION*S*

- It is an individual one.

- You have to create a project report with at least 8-10 pages.

- Should be submitted in the form of **.PDF** through the Google classroom link.

- It will carry **15%** from your final grading.

- COPIED Assignments will be awarded to ZERO.
  (Plagiarism can be detected easily since it is a softcopy)

- Late submissions, Submissions through mail **WILL NOT** be accepted.

- Whenever you are using any software or online applications to create any chart or table or diagram you have to **embed the relevant screen shot** in report.

PART I

Select any real world problem area/domain or any project topic for this project based on your preference. This project should include the following.

i.   Briefly give an introduction to the topic.

ii.   List out all the activities of the project.

iii. Assign duration for all the scheduled activities in days (Maximum duration must be 3 months).

iv.   Plan all resources that you are going to use in the execution of this project and assign the amount of resources would be required, if there any resource person how many of them needed for each activity. (use project libre)

v.   Create an estimated budget based on the estimated resources and amount of them. (Use any software)

vi.   Set up a GitHub account (if you have not created yet)

vii.   Find any participants to work with your GitHub account and make sure both of you are working with the same files. Then check whether any conflict occurs?

viii.   Clone the repository.

ix.   Add a file to the participant's directory.

x.   Use git command to add that file to the own repository.

xi.   Commit your change. Use a meaningful message like "Added information about YOUR NAME HERE."

xii.   Send your change to the primary repository.

xiii.   Check whether your changes have been pushed.

xiv.   Wait until your partner has pushed their updates. Get their change into your repository. Verify that you have that new file.

xv.   See a list of changes to the repository.

xvi.   Add your name. Then add the file, commit it, and push it.

xvii.   Whoever tries to push the file first will likely succeed. Whoever tries to push the file second will likely get an error message. Figure it out how to resolve the error message.

xviii.   Deal with any conflicts that have arisen and commit the result.

PART II

Based on the activities that you have scheduled for this project

i.   Construct a work break down structure for all the activities using Project libre.

ii.   Derive a Gantt chart using Project libre.

iii.   Find out EST, LST, EFT, LFT and SLACK time, and then come up with the critical path method. (Should not be done manually)

iv.   Create a network diagram using relevant software.

v.   Assign optimistic, pessimistic and most likely time for all of your project activities. Find the duration of each activity based on all three times.

vi.   Create a PERT chart using relevant software.