Final Year B. Tech (Computer Science and Engineering) Sem– VIII

10. Project-II (PW- CS806)

TEACHING SCHEME	EXAMINATION SCHEME
Theory : NA	Theory : NA
Tutorial : NA	Term work: 50 Marks
Practical : 4 Hrs./Week	Demo & OE : 50 Marks

Pre-requisites: Project - I.

Course Objectives

1. Students should learn to design and develop usable User Interface

2. Students should learn to analyze and apply emerging technologies in development of a project

3. Students should learn to test the modules in Project

4. Students should learn to demonstrate working of project

Course Outcomes

Upon successful completion of this course, the students will be able to:

1. Design and develop usable User Interface

2. Analyze and apply emerging technologies in development of a project

3. Test the modules in Project

4. Demonstrate working of project

Contents

The group will continue to work on the project selected during the semester VII and submit the completed

Project work to the department at the end of semester VIII as mentioned below.

1. The workable project.

2. The project report in the bound journal complete in all respect with the following : -

      i. Problem specifications

      ii. System definition – requirement analysis.

      iii. System design – dataflow diagrams, database design

      iv. System implementation – algorithm, code documentation

      v. Test results and test report.

      vi. In case of object oriented approach – appropriate process be followed.

CIE will be jointly assessed by a panel of teachers appointed by head of the Institution. SEE examination will

be conducted by internal and external examiners

Note:

1. Project work should be continually evaluated based on the contributions of the group members, originality of the work, innovations brought in, research and developmental efforts, depth and applicability, etc.

2. Two mid-term evaluations should be done, which includes presentations and demos of the work done.

3. Care should be taken to avoid copying and outsourcing of the project work

Final Year B. Tech (Computer Science and Engineering) Sem-VIII

11. Professional Skills (HM-CS807)

TEACHING SCHEME	EXAMINATION SCHEME
Theory :NA	Theory :NA
Tutorial :1 Hr. /Week (1 Credit)	Term work: 50 Marks
Practical :NA	Mode of Evaluation: Based on Term Work Activities.

Pre-requisites: Effective English Communication, Report Writing Skills, Technical Skills.

Course Objectives

1. To increase one's knowledge and awareness of emotional competency and emotional intelligence at place of study/work.
2. To develop interpersonal skills and adopt good leadership behavior for empowerment of self and others.
3. To set appropriate goals, manage stress and time effectively.

Course Outcomes

At the end of the program learners will be able to:
1. Recognize own strengths and opportunities.
2. Apply the life skills to different situations.
3. Speak fluently in academic and social contexts.
4. Develop Critical thinking and innovative skills.

Syllabus

I. E-Learning Course
Students are supposed to complete e-learning course from any online platforms like MOOCS/NPTEL/Swayam/Coursera/Udemy etc. related to Project work or advanced technologies.
Duration of the Course should be minimum 4 weeks.
At the end of course students are advised to attend the exam and get the certificate for the same.

II. Professional Skills: Career Skills
1. Resume Skills
2. Interview Skills / Online Interview

3. Group Discussion Skills
4. Exploring Career Opportunities

III. Professional Skills: Team Skills
1. Presentation Skills
2. Trust and Collaboration
3. Brainstorming
4. Social and Cultural Etiquettes
5. Internal Communication
6. Social Media Profile Building

IV. Leadership and Management Skills
1. Leadership Skills
2. Managerial Skills
3. Time Management
4. Entrepreneurial Skills
5. Innovative Leadership and Design Thinking
6. Ethics and Integrity

V. Introduction to Critical Life skills
Leadership, teamwork, dealing with ambiguity, managing stress, motivating people, creativity, result orientation; Understanding Life Skills: Movie based learning, Self-awareness- identity, body awareness, stress management; building self-confidence; Importance of listening skills, Difference between listening and hearing, Types of listening.

Term Work

1. Students are expected to learn new application areas, enhance technical skills, and build their profile by completing E-Learning Course.
2. Prepare their resume in an appropriate template without grammatical and other errors and using proper syntax.
3. Participate in a simulated interview.
4. Actively participate in group discussions towards gainful employment.
5. Capture a self - interview simulation video regarding the job role concerned.
6. Enlist the common errors generally made by candidates in an interview.
7. Perform appropriately and effectively in group discussions.
8. Explore sources (online/offline) of career opportunities.
9. Identify career opportunities in consideration of their own potential and aspirations.
10. Use the necessary components required to prepare for a career in an identified occupation (As a case study).

Based on above activities respective guide should assess the performance of the students out of 50 marks.

Learning Resources

Text Books

1. Lewis Lansford and Peter Astley. Oxford English for Careers: Engineering 1: Student's Book. 2013. USA: Oxford University Press.
2. Jaimie Scanlon. Q: Skills for Success 1 Listening & Speaking. 2015. [Second Revised Edition]. Oxford: Oxford University Press.

Reference Books:

1. Sanjay Kumar and Puspalata. Communication Skills. 2015. [Second Edition] Print. New Delhi: Oxford University Press.
2. John Seely. Oxford Guide to Effective Writing and Speaking. 2013. [Third Edition].New Delhi: Oxford University Press.
3. Meenakshi Raman. Communication Skills. 2011. [Second Edition]. New Delhi: Oxford University Press.
4. Terry O"Brien. Effective Speaking Skills. 2011. New Delhi: Rupa Publishers.
5. BarunMitra. Effective Technical Communication: AGuide for Scientists and Engineers. 2015. New Delhi: Oxford University Press.
6. English vocabulary in use – Alan Mc'carthy and O'dell
7. APAART: Speak Well 1 (English Language and Communication)
8. APAART: Speak Well 2 (Soft Skills)
9. Business Communication – Dr.Saroj Hiremath

Web References:

1 Train your mind to perform under pressure- Simon sinek
https://curiosity.com/videos/simon-sinek-on-training-your-mind-to-perform-underpressure-capture-your-flag/
2 Brilliant way one CEO rallied his team in the middle of layoffs
https://www.inc.com/video/simon-sinek-explains-why-you-should-put-people-beforenumbers.html
3 Will Smith's Top Ten rules for success
https://www.youtube.com/watch?v=bBsT9omTeh0

Online Resources:
1 https://www.coursera.org/learn/learning-how-to-learn
2 https://www.coursera.org/specializations/effective-business-communication