

**Punjab Engineering College, Chandigarh
(Deemed to be University)**

No. PEC/DAA/ 25796
Dated: 15 DEC 2022

All Heads of Departments and Centres

Subject: - Registration of UG 3rd year students for 6th semester (22-23-2 semester).

(1) Internship

Registration for the semester 22232 (for UG 6th semester students going for internship) will be carried out from 19.12.2022 to 27.01.2023. The faculty coordinators of B.Tech. 3rd year are requested to ensure that the students enroll for internship with following procedure:-

1. Filling of online Registration form mentioning the Internship courses (XX1551 (credit 6), XX1552 (credit 3), XX1553 (credit 3) on PEC Portal Link (pec.edu.in).
2. Duly signed registration form (by student and faculty coordinator) alongwith offer letter and fee receipt to be submitted in the respective department. The department will collect all the forms and send to the Academic Section.
3. Training period will be limited upto 15th July 2023.

(2) Course Work

Subject registration for the semester 22232 (for UG 6th semester students opting for course work) will be carried out alongwith UG 4th semester & 8th semester students.

1. Departments may offer One Deptt. Elective (4 credits), One open Elective (4 credits) and Project Work (4 credits) exclusively for the 6th semester.
2. The students may take One Department elective and One open elective course (as per list attached).


Dean Academic Affairs

A Copy is forwarded to the following:-

1. Head, CDGC.
2. Head, CMH
3. Webmaster with request to upload the notice on the institute website.
4. AC (F&A).

Tentative List of Department Elective Courses for 6th Semester

| Sr. No. | CID | Cname | Credits |
|---------|--------|--|---------|
| 1 | AE2003 | Helicopter Dynamics | 4 |
| 2 | AE2015 | Aircraft Maintenance | 4 |
| 3 | CS2601 | Knowledge Representation and Reasoning | 4 |
| 4 | EC2314 | Wireless Communication | 4 |
| 5 | EC2321 | Neural Networks and Fuzzy System | 4 |
| 6 | EC2331 | PCB Circuit Design | 4 |
| 7 | EL2006 | Renewable Energy Technologies | 4 |
| 8 | EL2008 | Power System Operation and Control | 4 |
| 9 | EL2016 | Restructured and Deregulated Power Systems | 4 |
| 10 | EL2018 | Energy Management and Energy Audit | 4 |
| 11 | ME2013 | Work Station Design and Neuro-Ergonomics | 4 |
| 12 | ME2016 | Advanced Manufacturing Techniques | 4 |
| 13 | MM2402 | Materials Joining Techniques | 4 |
| 14 | MM2404 | Advanced Engineering Materials | 4 |
| 15 | MM2407 | Solar Energy Engineering and Technology | 4 |
| 16 | PR2002 | Supply Chain Management | 4 |
| 17 | PR2013 | Advanced Manufacturing Processes | 4 |
| 18 | PR2017 | Finite Element Method | 4 |

Refer - A

Date

TENTATIVE LIST OF OPEN ELECTIVE COURSES FOR 22232 SEMESTER

| Sr. No. | CID | Cname | Credits |
|----------------|------------|--|----------------|
| 1 | CS6602 | IT Concepts in Engineering | 4 |
| 2 | EC6021 | Analog and Digital Electronics | 4 |
| 3 | EC6022 | Introduction to Printed Circuit Board | 4 |
| 4 | EC6024 | MEMS and Microsystems | 4 |
| 5 | EC6025 | Electronics Device Fabrication | 4 |
| 6 | EC6026 | Nano Electronics Devices | 4 |
| 7 | EC6032 | ARDUINO Programming and Raspberry Pi | 4 |
| 8 | EC6033 | Sensing Technology | 4 |
| 9 | EC6034 | Multimedia Technology | 4 |
| 10 | EC6035 | Microcontrollers and their Applications | 4 |
| 11 | EL6004 | Electrical Measurement and Instrumentation | 4 |
| 12 | EL6010 | Renewable Energy Technologies | 4 |
| 13 | EL6011 | Microprocessors and Microcontrollers | 4 |
| 14 | EL6013 | PLC & SCADA | 4 |
| 15 | EL6018 | Energy Storage Systems | 4 |
| 16 | MA6005 | Fourier Series and Integral | 4 |
| 17 | MA6007 | Algebraic Coding Theory | 4 |
| 18 | MA6008 | Topology | 4 |
| 19 | MA6009 | Numerical Analysis | 4 |
| 20 | ME6006 | Principles of Product Design | 4 |
| 21 | ME6022 | Operation Research and Simulation Techniques | 4 |
| 22 | MM6002 | Failure Analysis of Metals and Alloys | 4 |
| 23 | MM6006 | Nanomaterials Technology and Applications | 4 |

