

New Course Proposal
Department of Computer Science and Engineering
Indian Institute of Technology, Kanpur

Course number: CS801

Course title: Innovations in Computer Science and Engineering

Course prerequisites: None

Course credits: [0] (0-0-0-0) (S/X mode)

Course duration: Full semester

Course type: PG Department Compulsory

Proposing Instructor: Convener DPGC, Department of Computer Science and Engineering

Other faculty members interested in teaching the course: all CSE faculty members

Other departments interested in the proposed course: None

Course description:

- a. *Objectives:* The PG seminar course will expose students to research directions being pursued by various groups within the department and help them make an informed choice of thesis topic. The course will also give them an opportunity to develop technical presentation skills by presenting their work.
- b. *Logistics:* The PG seminar course will be offered once every academic year with the DPGC convener and one other faculty member as co-instructors. All PG students (MTech, MS, PhD) will be required to register for this course in their first year. Additionally, PhD students will be required to register for this course a second time in their 3rd year.
- c. *Content:* The course will have 2 parts
 - i. **Weekly seminars:** PG students along with their supervisor(s) will make presentations on research directions being pursued by their group.
 - ii. **Research colloquium:** PG students will present their past and ongoing work. PhD students registering for the course a second time will be required to present their work at the colloquium although others will be welcome too.
- d. *Evaluation:* PG students registering for the first time will be evaluated on the basis of attendance at the seminars and colloquium. PhD students registering for a second time will be evaluated on the basis of presentation at the research colloquium.

Short summary for inclusion in the Courses of Study booklet: the course is intended to introduce CSE PG students to cutting edge research directions as well as give them a chance to develop presentation skills by presenting work done by them/their research group to their peers and others.

Reference texts: None

Course proposer: Convener DPGC, Department of CSE
Date: 22/12/2023

Convener DPGC
Date: 22/12/2023

The course is approved / not approved

Chairman, SPGC
Date: