

National Institute of Technology Karnataka, Surathkal

Department of Computer Science and Engineering

CS398: Seminar

Name and Contact Details of the Course Instructors:

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Assistant Lecturers:

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Instructions to carry out the tasks for the Seminar

1. Every student must do the work individually. Forming a student team is not permitted for Seminar.
2. The main aspect of this course is to present a Seminar. However, prior to presenting a seminar, it is important that the student performs some tasks.
3. Different types of tasks can be completed in this course prior to presenting a seminar. Approval of course instructors is mandatory before starting the work. Any work undertaken without the prior approval of the course instructors might not be considered for this course. Some of the types are listed below (please consult the course instructors if you prefer to work on tasks that are not listed here):
 - a. Reading papers: on the latest computer science related topics (at least 3 papers unless otherwise permitted by the course instructors) and making a lineage of how that topic has evolved. Students in this course can collaborate with the PhD students from the Dept. of CSE to seek assistance in this regard.
 - b. Open source contributions: pick up open issues from well known open source projects and work towards fixing them, significantly improve the documentation of any open source projects, prepare user manuals for those tools that do not have good manuals, prepare HOWTOs for an open source project of your choice (at least three HOWTOs unless otherwise permitted by the course instructors), prepare an installation guide for open source tools that are usually difficult to install (at least three tools unless otherwise permitted by the course instructors).
 - c. Implement projects: build a mobile or web application for any feature/service that directly helps the Dept. of CSE (or entire NITK) in its day to day activities, add a new feature in an open source tool (this has to be more than fixing an open issue in the tool), prepare data sets (e.g., data sets of images, voice, sound, video, text, multimedia) that will be useful for future research, develop Figma (or any similar tool) designs for an ongoing project at NITK (talk to faculty members or other stakeholders in the campus to find out who needs help with this)

- d. Prepare educational content: work with faculty members to assist them in preparing educational content which includes: presentation slides, animations using JavaScript or any other tools/technologies, recorded lab demonstrations, lab manuals, etc.
4. The students must choose a task that can be classified in any of the four types of tasks mentioned above. If the student believes that the task that they want to perform does not classify in any of the above four types, please inform the course instructors before March 7, 2025.
5. A student can select multiple tasks, if interested. It is mandatory to select and complete at least one task. This task must not be a part of any other course or student club.
6. The deadline to submit the type and details of the task(s) is: **March 9, 2025 (Sunday)**. An IRIS form will be circulated to collect the details of the tasks selected by the students. Note: you only need to tell us the type of the task you will be undertaking, and its details. You don't need to actually complete the task by this deadline.
7. The final presentation of the tasks carried out by the students can be in either of the following forms: (a) presentation using slides, (b) demo of the work done and (c) poster presentation.
8. The presentations will begin from **March 20, 2025** and run through **April 23, 2025 (35 days)**. The exact timings of the Seminar will be provided later. It is mandatory for everyone to attend the seminars being presented in their respective sections.
9. Every student must share their slides/short write up on demo/poster at least 3 days prior to their presentation. You can continue to make edits after sharing this material; but it is important to share in advance so that timely inputs can be provided to improve your presentation. A separate link will be provided to collect your material.