



EE 670A Wireless Communications

Fall Semester, 2022

**Department of Electrical Engineering
Indian Institute of Technology Kanpur**

FAQs Regarding EE670 Term Paper

- 1. Do we need to prepare powerpoint / latex presentation?**

NO

- 2. Do we need to do any simulations?**

NOT required

- 3. Do we have to propose new work which should be publishable?**

NOT required

- 4. Do we have to explain our work to TAs or Instructor?**

NO

- 5. How many students can work together for Term Paper?**

Only groups of 2 – no less, no more. If class size is odd, one student will be allowed to do in group of 1 or 3, after getting instructor consent

- 6. Do we have to write using latex or microsoft word?**

Both are fine, but use IEEE format. Try to make quality of presentation similar to papers published in good conferences/ journals on IEEE Xplore

- 7. What is the deadline and how to submit paper(online/offline)?**

12 noon, 14th November 2022, Online submission .

- 8. How to choose topic for term paper?**

As PG students it is important to get introduced to the process of research. Ideally, one should spend some time going through research papers, followed by zeroing in on a topic that excites the group and has significant relevance in current/ future wireless systems

- 9. Do we need to confirm the chosen topic from TAs or Instructor?**

No. Choosing a relevant/ challenging topic is an important part of the term paper assignment that has to be carried out by the group.

- 10. What are PHY layer issues of wireless communications?**

Issues pertaining to signal transmission, reception, processing (i.e precoding, combining, estimation, beamforming, power allocation, optimization etc. in 5G/ 6G). For more details, please see below https://en.wikipedia.org/wiki/Physical_layer