

COE 241-01 (141): Term Paper

Students are requested to organize themselves in groups consisting of 2 or 3 students with an appointed group coordinator. The group will select a technical topic **related to the course material**. The list of technical topics provided below may be used or serve as guidance. See the table below for important dates and deadlines. Group coordinators should e-mail me with their group membership and topic selections as per the table.

Deliverables - worth (7%)

- Each group should collectively prepare a term paper (2000 words) on one of the topics listed below on contemporary issues in data communications.
- The group should submit a written report (hardcopy and e-copy) and collectively present their topic to the class as a PowerPoint presentation and entertain questions.

General Guidelines:

1. Must use multiple sources
2. No direct copying from sources
3. Include a brief abstract (200 words max)
4. List all references used and refer to them in the text
5. Use illustrations where required. All figures/tables should be captioned and referred to in the text.
6. For more information on technical writing please visit the instructor website to refer to guidelines and presentations in this area produced by Prof. Abdel Aal.

Suggested Topics for the Term Paper:

Wireless LANs, Telemedicine: Societal impact of modern communications, Analog-to-Digital Converters, Wireless sensor networks, The sampling theorem, The Ethernet, Error correction coding, VoIP, Network Security, Routing Protocols, Multimedia network applications, 4G Mobile Networks, Next Generation Networks, Software Defined Networks, etc.

Important Dates:

Calendar Week	Event	Deadline Date
10	Submit group membership by group coordinators.	Sun Nov 16 th
11	Submit topic for the term paper and list of potential references by group coordinators.	Sun Nov 23 th
13	Submit paper 1 st draft (hardcopy and e-copy) for term paper by group coordinators.	Tues Dec 7 rd
16	Submit report (hardcopy + e-copy) for the term paper by group coordinators.	Sun Dec 21 st
16	Class presentations for term papers.	Sun Dec 21 st