

**SEMINAR TOPICS***6th Semester (Tentative)*

Group No.	Name	Enrolment No	Theme/Area	Topic	Guide
1.	Falak Aijaz Dar	22207145046	Modern AI Through Large Language Model (LLM)	DeepSeek and Other Modern LLM's	Dr. Shazia
	Mehwish Kounsar	22207145031		Foundation of LLM	
	Nasia Amin	22160145054		Agent AI	
	Insha Mushtaq	22160145052		Multimodal LLMs	
2.	Omar Zahoor	22160145058	Drone Technology	Hybrid Powered and long endurance drone	Er. Rouf Ul Alam
	Muneeb Illahi	22160145038		Smart Drones and IoT for improving smartness	
	Waris Ahmad Mir	22160145059		Use of Drone Technology in Agriculture	
	Aadil Mushatq Rather	22160145053		AI Based Drone Control for Monitoring Military Environment and its Security Applications	
3.	Aabis Asgar	22160145041	Impact of Technology on Sports	Performance Tracking and Smart Equipment	Dr. Bazila
	Aizaz Gupkari	22160145044		Virtual Reality (VR/AR) and Its Limitations	
	Syed Shayiq Hussain	22160145027		Video Analysis and Officiating Technologies	
	Murtaza Nisar Khan	22160145035		Data Analytics, AI and Recovery Tech	
4.	Amaan Farooq Najar	22160145001	Weather Forecasting	Impact of Weather Forecasting on Agriculture	Er. Salma Fayaz
	Muneeb Basharat Keng	22160145003		AI and ML Models on Weather Forecasting	



	Shahid Mushtaq	22160145008		WSN for Weather Monitoring	
	Habeel Javid	22160145029		Limitations of Weather Forecasting Models	
5.	Hadi Badri	22206145011	VIDEO GAMES	AI in Video Games	Dr. Omar Farooq
	Jibran jeelani Mir	22160145010		Evolution and impact of Video Games on Society	
	Mohammad Arahani	22160145012		Augmented Reality and Connectivity	
	Hakeem Asgar Ali	22160145055		Virtual Reality and the world Within	
6.	Sinain Fayaz Wani	22160145018	AIoT in Environmental Conservation	Integration of AI in IoT	Dr. Hameem
	Amaar Shukiel Dar	22160145019		Integration of 5G in IoT	
	Faiq Mushtaq	22160145002		Limitations, Challenges and Concerns of AIoT in Environmental Conservation	
	Shah Ealeena	22160145036		Introduction to AIoT and application of AIoT in environmental conservation	
7.	Shahyaan Showkat	22160145022	Smart Farming/ Agriculture	Smart Fertigation Bot	Dr. Haroon Yousuf
	Ruhullah Qurashi	22160145045		AI and ML in Farming	
	Yunus Zahgeer	22160145048		IoT in Agriculture (Advancements and Limitations)	
	Ainan Abdullah	22160145056		Smart Green House and Indoor Farming	
8.	Nimra Javeed	22160145043	Cellular Communication With a Focus on 5G	Cellular Communication and Evolution of 5G	Dr. Bilal Ah. Malik
	Hyfa Farooq	22160145033		Technical Architecture of 5G and Key Concepts	
	Nadeem Khaliq	22160145039		Applications and Limitations of 5G	
	Mujeeb	22160145013		Implementation and Features of 5G	



	Ayoub				
9.	Shayista Rashid	22160145037	Night Vision (DIP)	Image Intensification of Night Vision	Dr. Shazia
	Aamir Shamim	22160145016		CCD and CMOS Sensors and uses. (and its latest advancements)	
	Yasir Javid	22160145024		Principles and functions of Night Vision	
	Sheikh Asif Nabi	22160145004		Limitations and future work of night vision	
10.	Sidra Shabir	22160145023	Federated Learning for Internet of Things	Fundamentals and Classification of Federated Learning in IoT	Dr. Abdul Mueed Hafiz
	Bushra Nissar	22160145034		Applications and Limitations and Future Direction of Federated Learning in IoT	
	Tahila Jan	22160145042		Vision of the use of Federated Learning in IoT	
11.	Umaid Khurshid Jan	22160145032	Intelligent Traffic Control Management Systems	Impact, Limitations, and Future of Intelligent Traffic Systems	Dr. Ifrah
	Mohsin Amin	22160145026		Architecture and Working of an Intelligent traffic System	
	Ozair Ahmad Najar	22160145007		Traffic management and Need for Intelligent System	
	Umar Sajad	22160145020		Technologies Behind Intelligent Systems	
12.	Hassan Ashaq Wantt	22160145030	Drone Technology	Security and Surveillance with Drone	Dr. Saima
	Shahbaz Hussain Bhat	22160145009		Working and Construction Tech. in Drone	
13.	Sheema Zahoor	22160145021	Hologram Technology	Hologram Technology	Dr. Injila
14.	Rahil Abass	22160145014		Not Submitted	
	Hadiya Shafi Zargar	22160145025		Not Submitted	



	Ahsaan Showkat Dar	22160145005		Not Submitted	Dr. Saima
	Faizan Farooq	22160145040		Not Submitted	
15.	Wahid Hussain Bhat	22160145017		Not Submitted	Dr. Haroon Yousuf

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

INSTITUTE OF TECHNOLOGY

UNIVERSITY OF KASHMIR

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