



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ALIAH UNIVERSITY
IIA/27, New Town, Kolkata – 700 160
4th & 5th floor Right Block

Notice

Date-23.02.2024

Seminar (ECEUGPR01) for 6th Sem ECE Students

6th Semester ECE students are instructed to **submit individual seminar topic from the list given below by 28.02.2024** and prepare a report for submission. **Repetition of topic is not allowed.** A power point presentation for approx. 10 minutes duration is to be prepared and a **practice presentation to be given during 4th week of March 2024.** They can consult to the faculty members as given against the seminar topics in the list. You can also choose other relevant topic after consultation with your faculty member.

Topic	Faculty	Topic	Faculty
1. Tyre pressure Monitor System(TPMS) 2. Advanced Driver Assistant System (ADAS) 3. Beam formation of Antenna 4. Stealth Technology 5. Computed Tomography (CT)	Dr. Sk. Moinul Haque	1. Bio Battery. 2. Touchless Touch Screen Technology. 3. Paper Battery. 4. Silicon Raman Laser. 5. Super AMOLED Display.	Mr. Ikbal Ali
1.ISFET 2. 2-D Materials for MOSFET 3.Memristor 4. Model Order Reductions Techniques In VLSI Interconnects. 5. Routing Algorithm for Physical Design 6. VLSI based Approximate Computing 7. Subthreshold Logic Circuit Design	Mr. Somsubhra Talapatra	1 Monitor system of air pollution by IoT 2. Super Capacitor 3. Carbon Nanotube Flow sensors 4. Radio Over fiber 5. Ultra Conductors 6. Hydrogen Super Highway 7. Edge computing 8. Powering the IoT using LoRa	Mr. Sain Shaikh
1. Image based Authentication System 2. IIoT 3. An Introduction to Genetic Algorithms 4. Quantum Computing 5. An introduction to neural networks 6. Signal Processing for Communications 7. Machine Learning 8. Deep learning in computer vision 9. Optimization technique in ML	Dr. Md. Abdul Alim Sheikh	1. Biometric Voting Machine 2. Blue eyes technology 3. MIMO Antenna 4. Night Vision Technology 5. Augmented reality technology	Mr. Anisur Rahaman
1. Quantum well Lasers 2. DWDM system 3. Multicore Fiber and Amplifier 4. Laser in medical application 5. Terahertz Photonics 6. Radio over fiber 7. Under-water VLC	Dr. Md. Asrafal Sekh	2. Foldable solar cell 2. Organic semiconductor, 3.Organic led, 4. Spintronics. 5. Night vision technology	Mr. Sabir Ali Mondal
1.Sensors in Agriculture 2. Sensors in Sealth Sector 3. Embedded Systems in Home Appliances 4. Renewable Energy Sources 5. Automated Waste Management System 6. Optical Sensors Applied in Agricultural Crops	Dr. Sk. Babar Ali	1. Advances in Telemedicine and Telehealth 2. ECG T-shirt 3. Genomic and Proteomic Signal Processing 4. 3d printing in Medical Applications 5. E-waste	Mr. A.H.M Toufique Ahmed
1.Industrial IoT 2.Digital Twin 3.IoT in Agriculture 4.IoT in Vehicular Mobility 5.IoT for Home Automation 6.Mobile Ad hoc Network (MANET) 7.LORAWAN IoT	Dr. Quazi Mohmmad Alfred		-

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Head of the Department