GALGOTIAS COLLEGE OF ENGINEERING AND TECHNOLOGY

KNOWLEDGE PARK II, GREATER NOIDA

Department of Computer Science and Engineering

Think, Pair and Share Approach:

After forming a group of 2 or 3 members, select one topic from list given below, discuss the topic and present the result in front of the mentor.

IoT Topics

1. Spin Electronics Devices
2. Artificial Hand Using Embedded System
3. Applications of Nanotechnology in Electronics
4. Advanced Wireless Communications
5. Importance of Verichip in Electronics
6. The Evolution and Improvement of the ARM Architecture
7. Context Monitoring of a Patient Using Wireless Networks
8. An Emerging Technology in Wireless Communications
9. Fingerprint Identification and Its Advanced Applications
10. Paper Presentation on 3D Integrated Circuits
11. Third Generation (3G) Wireless Technology
12. Holographic Data Storage Memory
13. Concentrated Solar Power
14. Haptic Technology
15. Silicon Microphotonics in Basic Electronics
16. IRIS Recognition as a Biometric Technique
17. OFDM Basics for Wireless Communications
18. A New Revolutionary System to Detect Human Beings Buried Under Earthquake Rubble.
19. System on Chip Designing Challenges
20. Channel Tracking for a Multi-Antenna System
21. Organic Light Emitting Diode (OLED)
22. A Comparative Approach to Architecture and Technology in Optical Switches – An Overview
23. Medical uses of Nanotechnology
24. Nanotechnology for Electronic and Communication Engineering
25. The Future's Fastest Transcars
26. Intellectual Camera Unit
27. Using Theory of Bio-Metrics
28. Embedded NDE with Piezoelectric Wafer-Active Sensors Aerospace Application
29. Digital Jewelry Made Possible Using Wireless Communication
30. Wireless Communication IRIDIUM Satellite System (ISS)
31. Wireless Optical Communication
32. Bionic Eye
33. Artificial Vision towards Creating the Joys of Seeing For the Blind
34. Smart Car Wheels
35. Windows Based Embedded Systems
36. Steganography
37. Autonomous Cars
38. Introduction to Surveillance Camera Control System
39. Satellites for Amateur Radio

40. Radio Frequency Identification
41. Compressed Image Processing
42. Worldwide Interoperability for Microwave Access (Wi-Max)
43. Wireless Communication Zigbee
44. Next Generation Wireless Communication- Free Space Optics (FSO)
45. Smart Card Security
46. Cellular and Mobile Communication
47. Smart Antenna Opens Lanes For Wireless Highway
48. A Fully Adaptive Approach to Smart Antennas
49. Brain Fingerprint Technology
50. How Biometric Systems Work?
51. The Bluetooth Technology
52. Bio Chip Informatics Technology for Electronic and Communication Engineering
53. Polymer Light-Emitting Diodes (PLED)
54. Blu-Ray Disc VS. HD-DVD
55. Ultra Wide band Technology Creating a Wireless World
56. Diamond – The Ultimate Semiconductor
57. Parallel Logic Simulation of VLSI Systems
58. Optical Computers: The Future of Technology
59. Nano Wire Growth for Sensor Arrays
60. Space Solar Power
61. Nanotubes
62. Pill Camera
63. Biometric Voting System
64. How Night Vision Works?
65. Dvb-H Broadcast Mobile
66. Concealed Weapon Detection Using Digital Image Processing
67. Internet (Broadband) Over Electric Lines
68. SOS Transmission
69. Zigbee – A Wireless Mesh
70. Wireless Capsule Endoscopy
71. VLSI Logic Circuit Using Single Electron Transistor Set
72. Sniffer for Mobile Phones
73. Secure Symmetric Authentication For RFID Tags
74. Wireless Battery Charger
75. Strained Silicon
76. Wireless Technologies, Wireless Fidelity (Wi-Fi) & World Wide Interoperability for Microwave Access (Wi-max)
77. Power Minimization Strategy in MOS Transistors Using Quasi-Floating-Gate
78. Plastic Solar Cells: Implementation of Nanorod and Screen Printing Technology
79. Plasmonics: “Vision for the Future”
80. Satellite-Based Tsunami and Earthquake Early Warning System
81. Speech Signal Analysis and Speaker Recognition by Signal Processing