

K. D. K. COLLEGE OF ENGINEERING, NAGPUR
DEPARTMENT OF INFORMATION TECHNOLOGY

B. E. THIRD SEMESTER

BEIT307P: COMPUTER LAB-1

LIST OF EXPERIMENTS

1. DEMONSTRATION OF COMPUTER HARDWARE AND BIOS SETTINGS. (NORTH BRIDGE, SOUTH BRIDGE, PCI SLOTS, ISA SLOTS, AGP SLOT, MEMORY BANK SLOTS, EIDE CONNECTOR, FLOPPY CONNECTOR, CHIPSET, POWER CONNECTOR, CPU SLOT, SMPS, BIOS CELL, CLOCK) (PORTS-SERIAL, PARALLEL, PS/2, USB, TYPES OF USB-A, B, MINI-A, MINI-B, GAMES, ETHERNET/RJ42, MODEM/RJ11, VGA, S-VIDEO, HDMI, DVI- MINI & MICRO DVI, IEEE 1394 INTERFACE, SCSI, MINIJACK).
2. TO DEMONSTRATE AND STUDY THE VARIOUS TYPES I/O DEVICES. (EX: PRINTERS, MOUSE, SCANNER, MONITOR (CRT, LCD) ETC).
3. EXECUTION OF INTERNAL AND EXTERNAL DOS COMMANDS. (EX: FORMAT, TYPE, COPY CON, PROMPT, ETC).
4. BATCH PROGRAMMING: COMMAND REDIRECTION AND PIPELINES, VARIABLES AND CONTROL CONSTRUCTS.
5. DEMONSTRATION OF SYSTEM TOOLS FOR WINDOWS OPERATING SYSTEMS.
6. EXPERIMENT BASED ON SYSTEM REGISTRY OF WINDOWS OPERATING SYSTEM.
7. DEMONSTRATION OF COMPLETE BOOTING PROCESS OF WINDOWS OPERATING SYSTEM.
8. DEMONSTRATE AND STUDY OF NETWORKING ACCESSORIES AND COMMANDS (HUB, SWITCH, BRIDGE, ROUTER, LAN CARD, CAT CABLES, COAXIAL CABLE, FIBER OPTIC CABLE, REPEATER, MODEM, COMMANDS: PING, TRACERT ETC).
9. TO DEMONSTRATE AND STUDY THE TROUBLESHOOTING OF A COMPUTER SYSTEM. (POWER SUPPLY PROBLEM, BOOT FAILURE PROBLEM, DISPLAY PROBLEM, RAM PROBLEM, MOTHERBOARD PROBLEM, CPU PROBLEM, CMOS BATTERY PROBLEM ETC).