

Non-Teaching Staff Recruitment
(Advertisement No. IITT/STAFFREC/01/2025 dated 14-07-2025)

Syllabus – Junior Technician (Computer Science and Engineering)

- 1. Hardware & PC Maintenance:** Assembly/disassembly of PCs, installation of peripherals, troubleshooting common hardware faults, BIOS/firmware basics, printers and scanners.
- 2. Operating Systems:** Installation and basic administration of Windows and Linux, user management, file system navigation, software installation, basic command-line usage.
- 3. Networking:** LAN setup, IP addressing, cabling and crimping, switches/routers basics, Wi-Fi configuration, network troubleshooting (ping, traceroute).
- 4. Software Tools:** Installation and configuration of compilers, IDEs, and departmental software packages; use of office productivity tools.
- 5. Laboratory Management:** Equipment inventory, lab safety protocols, maintenance logs, assistance during practical classes, supporting faculty/students in labs.
- 6. Basic Troubleshooting & Support:** Diagnosing OS/application errors, virus/malware removal, data backup procedures, basic helpdesk support.
- 7. AV & Classroom Technology:** Setup and operation of projectors, microphones, smart boards, and video-conferencing tools.

Selection Criteria:

- **Level-I** : Objective Based Test with negative marking. The test covers technical questions (Level-I is a screening test to call a reasonable number of candidates for the Level-II & Level-III tests.)
- **Level-II** : Descriptive Test (Descriptive questions designed to assess the understanding and application of knowledge and skills from the topics covered in the syllabus)
- **Level-III** : Skill/Trade Test (Hands-on skill-based evaluation involving the practical usage of topics from the syllabus, with emphasis on command-line usage where applicable)
Examples: As applicable: Configuration of servers, network; development of web services; assembling and troubleshooting of computer hardware and AV systems, etc.

Note: All the tests will be conducted based on the above-mentioned syllabus. Equal weightage shall be given to Level-I and Level-II tests for the purpose of preparing the merit list. The Level-III test will be qualifying in nature (Pass/Fail).
