

## Physical Sciences Laboratory

Science laboratory plays a vital role in the teaching learning process. It helps the student to learn the subject by doing experiments himself and this helps to fulfill the need of psychomotor domain part of the taxonomy of educational objectives. There is a well furnished science laboratory which is installed with modern equipment and apparatuses and instruments.

Physical Science learning becomes more interesting when Student-Teachers are able to understand the subject well and to apply the acquired knowledge practically. Our College has well equipped and ventilated physical science laboratory with all essential facilities.

Apparatus, instruments and chemicals pertaining to Physics and Chemistry topics from Standards IX to XII are systematically arranged and the cupboards are labelled such that their contents can be easily accessed.



## Biological Sciences Laboratory

The Biological Sciences Laboratory is well furnished and adequately equipped with provision for both classroom teaching and practical work. The laboratory is spacious, well ventilated and are equipped with the necessary instruments such as Dissecting microscopes, compound microscopes, botanical charts and specimens. Our Biological Science Laboratory has preserved plant specimens for studying botanical names and identifying the particular plant in the field. Along with Animals preserved specimens are kept for using Zoological studying purpose.

Teaching-learning materials, models and slides related to Biology and colourful self-explanatory charts adorn the racks, giving the students the feel of joyful learning. A skeletal system enables student teachers and school students to explore and learn the structure of bones in a realistic manner.

Demonstration tables facilitate hand-on demonstration of Biological Science. An added feature is the departmental library where books related to the biological sciences and other related subjects are arranged in a systematic manner. The laboratory is adept to ensure technology augmented instruction with the provision of a LCD. Sufficient spaced out seating accommodates students and the laboratory serves both lecture and demonstration purposes.





## **Computer Laboratory**

The computers in entire College are connected through LAN connectivity. The College has a well-equipped and updated Computer Laboratory, which has the internet connectivity in all the systems. This Computer Laboratory serves as resource centre for Government sponsored Microsoft and Intel Training for the in-service teachers and teacher educators at all levels. Each system is protected with anti-virus software.

Student-teachers are motivated to use computers and collate information related to theory and practicum. Free internet facility is provided to all the students.

Our College has a well-equipped and updated Computer Laboratory named as Technology Laboratory, which has the internet connectivity in all the systems. Each system is protected with anti-virus software. The Technology Laboratory is open to the resident students and day-scholars of NKT who do not have internet facilities at home.

To facilitate students beyond working hours of the College, the Technology Laboratory with Wi-Fi connectivity is inside the hostel block, is kept open for the students at free of cost.



## **Psychology Laboratory**

In the Psychology Laboratory of the college various kinds of Psychological tests are being conducted for the student. Our institution has a well-resourced Psychology Laboratory consisting of more tests including performance tests and paper pencil tests with exhaustive, covering a wide range of topics like Aptitude, Attitude, Attention, Concept Formation, Creativity, Organisational Environment and Management, Intelligence, Interest, Learning, Motivation, Motor Skills, Perception and Sensation, Personality, Stress, Anxiety and Guidance and Counselling. Psychological Instruments such as Mirror drawing test, Span of Attention to name a few. The

Psychology lab is well equipped and adequate Psychological instruments such as Tachistoscope, Mirror drawing apparatus, Intelligence test instruments, Personality questionnaires, Interest and Attitude measuring questionnaires, Attention measuring sheets, etc., It provides the trainees the fundamental knowledge of psychological experiments. Various Psychological experiments were done by our trainees and they inculcate the knowledge about identification of Intelligence Quotient, Personality types, Interest and attitude and measuring the span of attention, distraction of attention, etc.,

To enforce the understanding of theoretical concepts of Psychology, the Student-Teachers perform experiments, administer tests and questionnaires to obtain results and interpret them effectively and perform their professional tasks. The Student teachers are also given training in preparing tests and questionnaires of different types for different purposes which they can use for undertaking research and other psychological processes like learning, memory, forgetting, thinking, problem solving, reasoning, motivation, emotion etc. and coping processes and strategies.



## **Language Laboratory**

The Language Laboratory facilitates individual tutoring by the faculty as well as self-learning by the student teachers to acquire proficiency in the English Language. Our College has Language laboratory with Clarity English success software to enable student teachers to use technology to master the English Language.

To improve the communication skills of students, an interactive spoken language lab with modern computer equipment is available. This bridges the gap that exists between the skill sets required by the corporate world and the skills acquired by the students, thereby facilitating substantial improvement in the employability, of the students.

It focuses on the production and practice of English sounds, Vocabulary, grammar, comprehension are practiced through games. Special focus is given to phonetics; voice intonation and modulation to familiarize the students with the use of English in everyday life situation.



## **Audio Visual Laboratory**

Our College has a well-equipped Audio Visual Laboratory. It contains the collection of audio-visual instruments used over the years in the field of Education. Use of audio-visual resources in the classroom stimulate the senses to assimilate more information and at a faster rate. The availability of audio-visual resources for teaching and learning has had far reaching effects in the field of Education. The benefits of visual stimuli and interactive learning have been more than reinforced through the use of Audio Visual lab. To create awareness among Student-Teachers about Information and Communication Technology and its use in teaching learning process Audio Visual lab is equipped with Smart Board, overhead Projector, LCD Projector, Tape recorder, Television, Camera and Computers.





