



LINGAYA'S
VIDYAPEETH

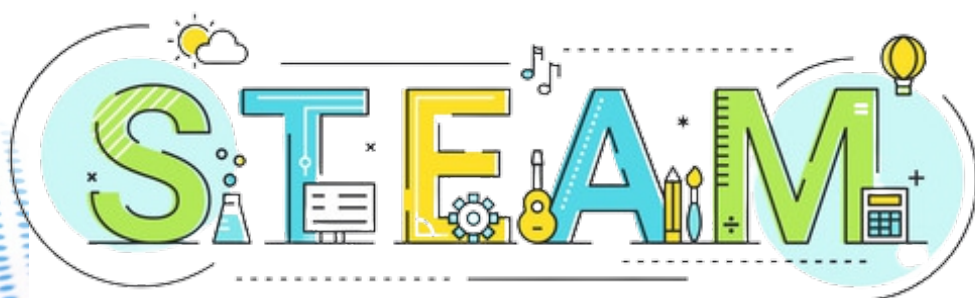
Deemed-to-be University
u/s 3 of UGC Act 1956

choose to know



SCHOOL OF BASIC AND APPLIED SCIENCES

The school of Basic & Applied Sciences educates science pioneers who can make a difference through high-impact research, groundbreaking jobs, and inventive technologies. The faculty is devoted to offering world-class education and developing future scientists by being dynamic and creative in expanding new programme initiatives. Our programmes promote an interdisciplinary approach while ensuring a consistent degree structure.



SCHOOL OF BASIC & APPLIED SCIENCES



About us:

- Skill enhancement-based education to prepare students to meet any challenge in the professional global arena.
- Research-driven education, which includes advanced transferable skills in information collection, analysis, and presentation.
- Regular academic events such as seminars, workshops, and conferences keep students constantly updated on new discoveries.
- State-of-the-art classrooms, Laboratories and smart rooms.
- Professors with global research and teaching expertise.
- Faculty members include doctorates from India's most reputed Universities IIT's, NIT's, Jamia Mila Islamia etc..
- Faculty members include postdoctoral scholars with experience from prestigious institutes in India.

Programmes Offered

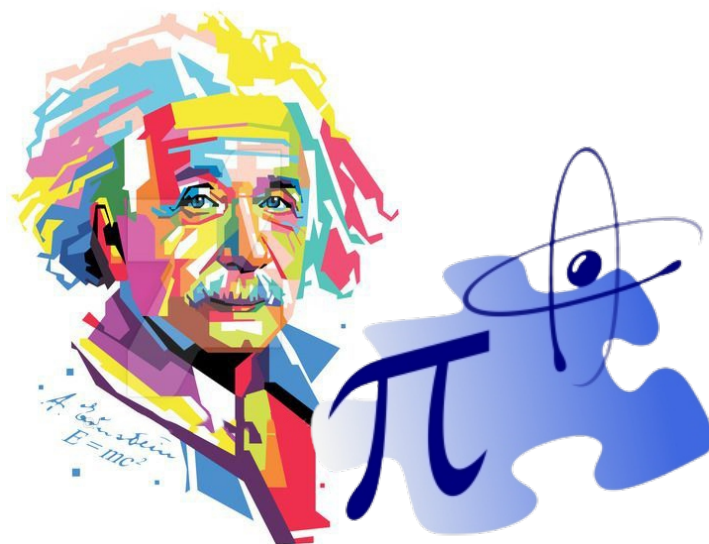
- B.Sc. (Hons.) Physics, Chemistry, Mathematics - 3 Years
- M.Sc - Physics, Chemistry and Mathematics - 2 Years
- Ph.D. - Physics, Chemistry and Mathematics

Infrastructure

- State-of-the-art Chemistry Labs and Physics lab.
- Advanced Mathematics Lab and computational lab.
- Advanced Research Lab for research scholars and faculty members.

USPs of Basic and Applied Sciences

- Envisages imparting high-quality teaching and research.
- Highly advanced laboratories for research.
- Research opportunities for UG , PG students.
- Intensive research training for Ph.D. students.
- MoU's and collaborations with national and international institutes/ Universities.
- Campus placement for UG and PG students.
- Outcome Based Learning (OBE) as per International Standards.
- Students from all over India.



Special Features

- Our students are involved in research projects from B.SC. (Hons.) Final year itself under the expert guidance of faculty members and presenting their work in various conferences / workshops.
- Our students have presented their research papers in various conferences at IIT Roorkee, IIT Delhi, University of Delhi and other reputed universities.
- They have been praised on different platforms as young researchers.
- The school envisages imparting high-quality teaching and research to its students so that they excel in the world of basic sciences.



@ DEPARTMENTAL CONNECT
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Campus : Nachauli, Jasana Road,
Old Faridabad, Haryana - 121002

- Lingaya's Vidyapeeth is the only Deemed-to-be University where students are given Industrial training in industries like textile industries, paint industries, pharmaceutical industries and other reputed industries in B.Sc (Hons.) final year along with their regular classes.
- Lingaya's Vidyapeeth follows complete "Choice Based credit System" (CBCS) scheme introduced by UGC for UG and PG level.
- Frequent industrial visits for the students to various industries like chemical industry, dairy industry, The Energy and Research Institute (TERI), National Physical Laboratory (NPL), sewage treatment plant etc. are organized by the School of Basic Science.
- B.Sc (Hons.) students are placed in different multinational companies at B.Sc.(Hons) level itself. Placement activities are crowning glory for B.Sc (Hons.) Physics, Chemistry and Mathematics students of the Lingaya's Vidyapeeth.



Career Opportunities for B.Sc. (H) Chemistry

The field of Chemistry is of great importance in our day to day life. Once candidates come out successfully as degree holders in B.Sc. (Hons.) Chemistry they have various options for their future. There are various fields where B.Sc. (Hons.) Chemistry graduates can utilize their talents. Some of the areas that offer jobs for a B.Sc. (Hons.) degree holder including the following:

- Waste-water Plant
- Medical Laboratories
- Manufacturing and Processing Firms
- Testing Laboratories
- Petroleum Companies
- Pharmaceutical Companies
- Power Generating Companies
- Research and Development firms
- Agricultural Research Services
- Biotechnology Firms
- Chemical Industries
- Chemicals Manufacturing Companies
- Cosmetic Companies
- Oil / Paint Industries
- Colleges / Universities
- Education Sectors
- Forensic Crime Research
- Food/ Dairy industries
- Health Care Providers
- Indian Civil Services

Some of the public sector firms which offer job opportunities are:

- Bharath Petroleum, Indian Oil Corporation Limited, ISRO, Bhabha Atomic Research Centre, ONGC, etc.

Some of the reputed private sectors firms that recruit B.Sc. (Hons) Chemistry are following:

- Dabur, Hindustan Lever, Ranbaxy, Dr Reddy's Labs, Meyer Organics Pvt. Ltd., Asian Paints, etc.

Career Opportunities after B.Sc. (Hons.) Physics

There are various fields where B.Sc. (Hons.) Physics graduates can utilize their talents. Some of these areas that offer jobs for a B.Sc. (Hons) Physics:

- NASA (National Aeronautics and Space Administration)
- ISRO (Indian Space Research Organization)
- BARC (Bhabha Atomic Research Centre)
- DRDO (Defence Research Development Organization)
- IITs & IISc
- NTPC & NHPC
- Air Force Research Laboratory
- Center for Automotive Research
- National Physical Laboratory (NPL)
- Electro Science Laboratory
- General Electric Aviation

Some of the public sector firms which offer job opportunities are:

- NTPC, BHEL, ONGC, GHAL, SAIL, IOCL, BSNL, ISRO, EIL, DRDO, BARC.

Career Opportunities after B.Sc. (Hons.) Mathematics:

There are jobs available in various sectors for the of B.Sc. Mathematics. These sectors are given below:

- Software Industries
- Insurance / Market research
- Banking sector

B.Sc. Mathematics can get jobs in following fields:

- Analyst, Scientists, Mathematician, Economic Analyst, Intelligence Analyst

After completion of Graduation in Physics, Chemistry or Mathematics, one can go for higher studies like M.Sc and MBA for finding reasonably good career in industries, Research, Teaching and Management. A graduate has option to appear for UPSC examinations (IAS etc.) which provides an opportunity to join State Administrative Service/Central Government Services such as telecom, Railways, PWD, etc.



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