#scienceandresearch

SYNERGY

SYNERGY by SGT University is the annual Science, Technology & Innovation Confluence. SYNERGY at SGT University provides platform for the young minds to be creative and innovative in research. The main objective of Synergy is to enhance the caliber and research skills of students by which he/she may lead the society in the areas of research and innovation.

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<th>COURSES OFFERED</th>
<th>Eligibility Criteria, Duration, Intake and Fee</th>
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<td><strong>Course Name</strong></td>
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Relaxation in Eligibility for SC students of Haryana State only will be as per government rules. Reservation of seats will be as per government rules. 

Note: Other than the few mentioned above, the students are required to pay Rs. 10,000/- (One time refundable) (Not applicable for Ph. D. scholars) as caution money and Rs. 2,500/- (One time non-refundable) for registration of Alumni Association.

*For Ph.D programme, minimum duration is three years as per UGC regulations.

FACULTY OF SCIENCE
GLOBAL SCENARIO

- The term ‘Science’ includes multidisciplinary fields in which Scientists globally have excelled, viz. Physics, Chemistry, Mathematics, Bio-Sciences, Forensic Science, and Environment Science etc.
- India ranks amongst the top ten countries worldwide for scientific publications and patents.
- The Scientific Research conducted in India has raised the level internationally with respect to all the possible dimensions of research and development.
- India Space Research Organization (ISRO) launched space technology incubation centre in Tripura, Agartala. ISRO has also planned around 36 missions including satellites and launch vehicles in Fy22.
- In September 2020, India successfully flight-tested its Hypersonic Technology Demonstration Vehicle (HSTDV) and enlisted as one of the countries having the capability for next-generation hypersonic cruise missiles.

WHY FACULTY OF SCIENCE AT SGT UNIVERSITY?

The Faculty of Science provides quality education, training and research in the different field of science through its five Departments namely, Department of Physics, Department of Chemistry, Department of Mathematics, Department of Forensic Science and Department of Environmental Science. It delivers:

- FOSC plays a crucial role in locating job/placement opportunities to the students via special career service programs.
- FOSC offers an extensive theoretical and practical exposure through innovative methodologies.
- With the established professional academic staff and well-equipped modern facilities, FOSC is found to be an attractive faculty for the academic study of Sciences.
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- Focus on the students’ placements in well reputed companies and professional organizations.
- Frequent educational and recreational tours to various Industries, Research Organizations, field related sites and leisure places.
- The Faculty offers a wide range of academic disciplines of all degrees (UG, PG and Doctoral Degrees) which constantly achieve excellence in Teaching and Research.
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- The alluring features about the Faculty of Science are as follows
  - Well-qualified and experienced Faculty Members with National and International teaching cum research Exposure.
  - Updated curriculum as per Choice Based Credit System (CBCS) & NEP (National Education Policy) implemented by UGC.
  - Creative, Innovative and Interactive Teaching-Learning Methodology.
  - Actively working student grievance redressal cell for taking care of student’s complaints.
  - Departmental / Faculty Level Academic Associations for co / extracurricular student activities.
  - Focus on the students’ placements in well reputed companies and professional organizations.
  - Frequent educational and recreational tours to various Industries, Research Organizations, field related sites and leisure places.

STRENGTH OF FACULTY OF SCIENCE

- FOSC is a highly esteemed Educational, Research and Scientific institution.
- The faculty offers a wide range of academic disciplines of all degrees (UG, PG and Doctoral Degrees) which constantly achieve excellence in Teaching and Research.
- With the established professional academic staff and well-equipped modern facilities, FOSC is found to be an attractive faculty for the academic study of Sciences.
- FOSC offers an extensive theoretical and practical exposure through innovative methodologies.
- FOSC plays a crucial role in locating job/placement opportunities to the students via special career service programs.
- Creative, Innovative and Interactive Teaching-Learning Methodology as per Internal Quality Assurance Cell (IQAC) guidelines
- Research Oriented Practical Training

INTERNERSHIP & PLACEMENTS

The campus has established excellent interface with the corporate world in various sectors. The University has well-equipped and well-staffed Corporate Resource Centre (CRC) that helps students with internships and placements. It ties up with industries across verticals to arrange guest lectures, industry visits, short-term projects, summer internships, industry workshops with trainings and virtuous job opportunities. Placements are accomplished through building a strong partnership among industries, educational institutions, and laboratories of National repute. Mandatory internships in organizations are provided based on competency mapping of student’s knowledge and skill set with the adequate job profiles.

- Two on-going DST SERB sponsored projects.
- Awarded First Prize in Research as well as Educational Category of Synergy-2019
- Best Poster and Appreciation Award (IC-STS-2019)
- Best Research Publication Award-2019
- First Prize in Logo Competition-2020

CENTERS OF EXCELLENCE

- Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC), A Govt. of India Scheme
- Remote Center-NMEICT, IIT Bombay
- Local Chapter, IIT Bombay, Swayam / NPTEL Resource Centre

DIRECTORATE OF RESEARCH & INDUSTRY INTERFACE

SGT University has taken numerous research initiatives over the years to mobilize the resources available for research and also, to come up strong with innovative solutions. All the research centers of SGT University function in a cooperative manner to initiate as well as cross-disciplinary research projects, create and combine patentable Intellectual Property (IP) components, design and develop prototypes & proof of concepts, manage and market products & solutions and work to deliver funded research projects. The advancement accomplished through research and development contributes considerably to the academic excellence of the University.

At SGT University, research is a creative and ongoing collaboration between faculty and students, administrators, business and academic partners and our local community. Together we are an ever-stronger national research & innovation-oriented University that explores uncharted terrain, imparts knowledge, unleashing innovation and changing lives. Faculty of Science has MOUs with industries like Plastic, Textile, Paper, pharmaceutical and ceramic industries and R&D centers includes DRDO, BARC, CSIR Laboratories, FRI, ZSI, CPCB and Forensic Science Laboratories (FSLs) in different areas of sciences.

Some of our professional alliances & Collaborations are:

- Secure India Pvt. Ltd, New Delhi
- Abha Biotechnology Pvt Ltd, Noida
- Forensic & Biometric Investigation Services (FBIIS)
- Anton Paar India, Pvt. Ltd, Gurugram
- Cyber Research and Innovation Society (CRIS), New Delhi
- Econ Laboratories, Dehradun, Uttarakhand

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