



SRM
UNIVERSITY

(Under section 3 of UGC Act 1956)

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Faculty of Science and Humanities



SRM

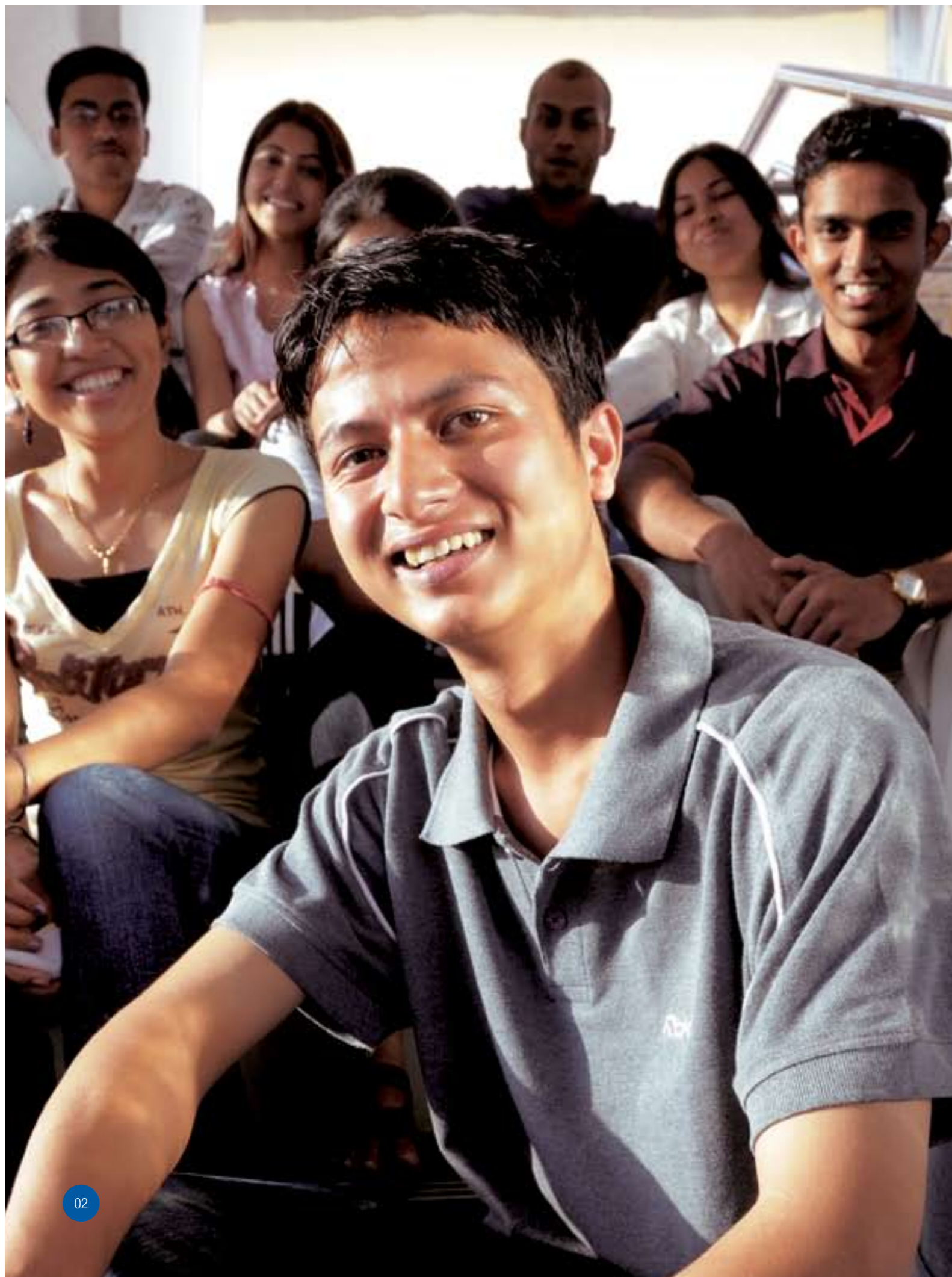
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So many vistas to choose from

You will find new doors with exciting career vistas opening before you as you enter the Faculty of Science and Humanities at SRM University. Since its inception in 2003, the faculty has expanded into emerging fields and has been quick to equip students with high end facilities that will help them achieve great heights.

Objectives

- To impart quality education
- To inculcate in them values of life
- To provide exposure to various extra-curricular and co-curricular activities
- To help students get training in the soft-skills that would help them realize the importance of not only their personal growth but also their commitment to society

These four objectives form the cornerstones of the faculty's teaching methods. Students are given a nourishing academic background to grow in. This ambience makes even foreign students feel at home and take on their studies with enthusiasm.

Facilities

Students and faculty have many fine facilities that aid them in the teaching-learning process:

- Spacious classrooms and seminar halls
- State of the art laboratories with hi-tech equipments
- Department Library with wide choice of books, national/international journals and CDs
- Value-added courses and personality development programs

Focus on research

Research scholars have experienced guides and every facility at the postgraduate labs to complete their research projects. The faculty's focus on research is part of SRM University's thrust in encouraging research in every area of study.

Campus activities

The faculty is a center of activity throughout the year, as students and faculty organize and take part in academic as well as extra curricular events. Faculty members regularly attend and present papers at international/national conferences. Many have published research papers in reputed international and national journals. Students join top companies for their projects and are exposed to industry standards.

Sports

A number of clubs prosper in the faculty. Chief among them are the Rotaract Club, N.S.S., Red Cross Society, Fine Arts Club and Quiz Club. The Sports department is also filled with energy. The faculty has hosted national level competitions in Chess and Basketball. The students securing gold medals or ranks at the university levels are also generously facilitated by the management.

Career and placement

As new and exciting careers open up to students, the placement cell is at hand to guide them every step of the way. The placement cell liaisons with the best companies in each field and provides opportunities to update students and faculty. Students are also given training in soft skills in a phased manner. As students grow in an environment of all round development, they can take on the future with ease.

College of Sciences

School of Basic Sciences
Department of Mathematics
Department of Physics
Department of Chemistry

School of Biosciences

School of Computer Science





School of Basic Sciences

Department of Mathematics

The charm of numerals and equations holds the limelight here at SRM's Mathematics Department. The department caters to the engineering students of B.Tech., M.Tech., M.S., and Ph.D. The department also offers a PG course, M.Sc. in Computational Mathematics.

Academics

A highly qualified faculty includes 6 Doctorates and 10 Research scholars to make sure the best education is at the student's disposal. The dedicated staff keep themselves abreast of the latest trends in mathematical applications by taking part in workshops, National and International conferences.

Research

Considering how mathematics plays a critical role in various fields from vehicle design to architecture, the faculty encourages research in both fundamental and applied mathematics. The key areas of research interest include:

- Fluid Mechanics
- Fuzzy Set Theory
- Analysis
- Graph Theory

Activities

The Sri Ramanujan Mathematics club acts as a forum for budding mathematicians, providing them a unique platform to win laurels in the field. It is also the platform for events that are aimed at making mathematics fun to learn. The club conducts two symposiums, the Intra Mathematics Festival (IMF) and Engineering Mathematics Festival (EMF), every year. This club opens up new vistas for budding mathematicians to fly high by winning laurels.

Achievements

The faculty and research scholars have prepared research papers that have appeared in reputed national and international journals. Some of the studies are being published as books. The department has also had the opportunity to conduct two international events. An SRM-BARC collaborative research program is also on the anvil.



School of Basic Sciences

Department of Physics

Acceleration has gripped the world of physics in the international arena and research studies in this field have broken more barriers than just sound. It is linked with the future progress of humankind and the next generation of SRM students are prepared to be a part of it.

Dedicated, experienced and well qualified faculty members make up the department. They continually update their grasp on global trends and breakthroughs by attending and presenting papers in national and international conferences. Research papers have been published in reputed international and national referred journals.

Facilities:

Well equipped laboratories with modern instruments and hi-tech facilities mark the Department of Physics.

The advanced functions of the laboratory include:

- Preparation and characterization of nano-ceramics
- Low temperature solution growth technique for growing organic and inorganic crystals
- Compressibility/susceptibility measurements for solids and liquids
- Electronic parameters measurements for semiconductors
- Propagation parameters measurements for optical fibers
- Holography

Research

The areas of research interest of the faculty members include:

- Nano Technology
- Crystal Engineering
- Molecular Spectroscopy
- Nonlinear Optics
- Ceramic Technology

Academics

The faculty conducts two PG programs. The programs focus on the fields of Industrial electronics and instrumentation, Bio-medical electronics and instrumentation, Communication systems, Computer architecture, Electronics & Materials sciences, Hospital industry and Health physics.

Activities

The department conducts seminars and symposiums periodically in emerging areas of materials technology. Images SRM, the photography club, is attached to Physics department. The club explores and trains the students in the art of photography, videography, digital art and short film. The club conducts training programs and competitions regularly.



School of Basic Sciences

Department of Chemistry

SRM University's Chemistry Department has been engaged in opening up the fascinating world of Chemistry to students since 1985. The department comprises of a goal oriented group of highly qualified, experienced and dynamic faculty members, who engage students in M.Sc. and Ph.D. courses.

Academic

The Department of Chemistry has over 15 faculty members whose areas of expertise and research includes inorganic, organic, physical, environmental, electrochemical and nanotechnology. They participate in training and development activities, which keeps them up-to-date in the current development of chemical science and helps to promote advanced research activities. Students are guided in their Ph.D. program, PG and UG level programs in Engineering and Technology.

Resources

The department has independent laboratories fully equipped with instruments and consumables, and advanced equipments for teaching and research activities. The facilities available in the laboratories include Gas chromatography, UV-visible spectrophotometer, Bomb calorimeter, High temperature programmable-furnace and High pressure reactor.

Activities and Achievements

The faculty members have contributed to academics by publishing books, research articles in journals, presenting papers in conferences and delivering guest lectures.

Research

There are 7 approved guides as resource persons to guide Ph.D candidates. Currently 10 research scholars are working as part time Ph.D candidates in the department.

The department has tie-ups with recognized institutions and industries, R&D laboratories in terms of student project, training and research activities.



School of Biosciences

Department of Biotechnology

New avenues in microbiology and biotechnology have made these fields exciting places to work in and explore. The School of Biosciences imparts the best of education through an experienced and committed faculty. With the promise of a flexible educational experience, industrial exposure and day to day guidance, students are given every opportunity to reach higher.

Faculty

To encourage students towards higher learning, the faculty consciously work out assignments to inspire in them a thirst for knowledge. The faculty have also formed mutually beneficial links with various industries for student projects and training.

Academics

The school offers a 3 year UG degree and a 2 year PG degree in Biotechnology. Emphasis is laid on currently subjects such as Microbiology, Molecular genetics, Bio-informatics, Bio-physics, Immunology, Genetic engineering and Bio-statistics. Students are also given the edge through Computer applications training.

During the PG degree program, you will be exposed to deeper understanding of various biosciences including Animal biotechnology, Tissue engineering, Enzyme technology, Genomics & Proteomics and Environmental bio-technology which form part of the syllabi. The syllabus is consciously designed to help the students inculcate, at every stage, the rapid trends and progressive growth in this exciting field.

Resources

Fully equipped labs have all the equipment to assist students for practical training in the areas of Bio-chemistry, Microbiology, Plant cell, Bio-process technology and more. Students and faculty also have access to special facilities like the Media preparation laboratory, the Computer laboratory and the Instrumentation laboratory that are useful for both teaching and conducting research.

Careers

The demand for talent in the Bio-sciences industries is on the rise. Students can find engaging careers in the areas of research & development, production, clinical testing and diagnostic work. Pharmaceutical companies, Hospitals, Horticulture industries and Conservation organizations provide excellent career platforms.



School of Computer Science

Department of Computer Science

Objectives

- To advance, evolve and enhance Computer Science fundamentals
- To build the interest in students for greater research
- To guide the students in the development of newer languages
- To create the ability in the students for better hardware production

Academics

The curriculum reflects the depth and scale of Computer Science. Much more emphasis is laid on the practical understanding of the technology. They are trained in the critical areas like programming, networking, web systems, information management and human-computer interaction.

At the PG level students are given a broader technical understanding of current and emerging technologies in the IT field. They are also introduced to systems engineering concepts and given a sound grounding in the technological basis of the internet.

Resources

The classroom is designed with an IT environment and has every facility for research and study. All students have access to computing facilities that allow them to achieve their tasks with ease.

Industry connect

The school enjoys good relations with some of the top IT companies like CTS, WIPRO and INFOSYS. Seminars, symposium and workshops are conducted to keep the students updated with new technologies adopted in different industries. The school also ensures that students are prepared for their career with soft-skills training, which is as important in today's job environment as hard-skills.

Careers

The placement process provides students with every opportunity to enter top ranking companies. The faculty are also at hand to guide students in the path of their future.

College of Humanities

School of Languages

Department of English

Department of Tamil

Department of Foreign Languages

School of Management

School of Journalism & Mass Communication

Institute of Hotel and Catering Management

School of Education

School of Commerce

School of Fine Arts

Department of Visual Communication



School of Languages

Department of English

In a world where effective English is the visa to success, the globalization of business has brought technical communication to the forefront of academics and industry. Success in this competitive world depends not only on acquiring knowledge but also on developing effective communication skills. The Department of English provides students with vital training to meet the demands of global communication and helps them develop proficiency in English.

Academics

The department consists of nine well qualified faculty members. Among them four are specialized in ELT whereas the others are specialized in English language & literature and Advanced level Grammar. The staff are motivated to present papers in international conferences as well as publish papers in leading journals twice a year.

A course in spoken English has been designed to meet the language needs of students who come from China and Japan, at the under graduate and post graduate levels.

It aims to improve the student's fluency and ability to communicate effectively in academic, professional and social contexts. The course mainly focuses on the development of spoken and written skills and proficiency in pronunciation, accent and flow of the language.

The department offers (BEC) Business English Certificate (Cambridge University) training program to the students at all the three levels (Preliminary, Vantage and Higher).

The department has six qualified BEC trainers. Students are given international accent training practice in the language laboratory in order to grab BPO opportunities.

Research activities are encouraged and the department offers research programs under the supervision of a research co-ordination committee chaired by the head of the department along with the doctoral committee.