

with DAMCO for software testing and TCS for online examination like GATE, JEE etc.

Yogananda Library

The Yogananda library christened after 'Yogananda School' of thought is a blend of modernity, tranquility and green technology located in breath taking landscape.

The state-of-the art library has been designed keeping in mind green building technologies with an open atrium in the centre for providing natural light in all areas, thus saving 80% energy in the daytime. Lighting is supported through LED technology to reduce the electricity consumption during evening and night hours. The temperature variance is controlled through smart use of glass, large lobbies and air vents. The library was featured on the cover of an architectural magazine - Roof & Facade Asia (ASEAN) in May 2014.

The facility hosts a faculty club, a dedicated floor for research scholars, e- library with access to all major international resources and a sprawling green

terrace on the top with reading chambers and bookshelves. Yogananda Library is located in the centre of the campus being approximately 100 m from Girls' Hostel Complex and from Administrative Block. Its location favours the movement of girl students to use this facility even at late hours (up to 10.00 pm) under adequate security. It is also fitted with CCTV cameras for security purposes.

Museum & Herbarium / Labs

The university houses a Museum & Herbarium that has more than 500 varieties of herbs and samples. There are 86+ Research & Teaching Labs for life sciences and technology.

Health Care and Meditation

Medical facility has been provided by way of residential visit of a doctor in the hostels and with the on-campus dispensary under the supervision of a senior MBBS doctor. A round the clock ambulance is available for the transportation of ailing students, especially the

hostlers. A meditation centre, providing an environment of serenity and mental relaxation forms an important part of the institute's infrastructure.

Entertainment

Shoolini University offers various options for entertainment at its campus. There is a special Audio Video Room and a Live Wire Room (with live internet nodes specially designed for Stock Market Live training sessions). There are cafés around the place for get-togethers as well. The university also has a 200 seated mini Cineplex.

Go Green

Shoolini University is a green campus, aptly signified by a Terraced Herbal Garden. This garden has a huge variety of Himalayan herbs. There is also a vermi-composting facility along with a set up for water harvesting. The student run

Green Brigade of the university is actively involved in making Shoolini a symbol of green institution.

Other Facilities

- AV enabled lecture theatres/ conference rooms/ tutorial rooms
- Five auditoriums with capacity ranging from 100 to 300
- 400 seated open-air theatre
- A 1000 capacity multipurpose indoor sports hall
- Basketball and badminton courts
- Modern SS modular mess with indoor & terrace sitting
- Five café & canteens
- A mini market to cater to essential needs of the students
- A PNB ATM is located in the campus

Hostels

Separate hostels are available for Boys and Girls; Five Girls hostels with a capacity of 800 are located in the university campus; Four Boys' hostels in the campus provide residence for 700 students.



Green Campus- To reduce emissions the university runs an electricity powered cart in the campus to ferry students and staff



Our System of Education

Shoolini University has adopted a continuous education system with two semesters in an academic year. Each semester is of 18-22 weeks and ends with an examination followed by a break, which is usually spent on industrial/ vocational training and educational tour to meet the degree requirements.

The degree is awarded under course credit system. Each course has a well-defined syllabus with specified number of credit hours for theory and practical classes. The research component also forms a part of the curriculum for postgraduate studies. The credit hours are regulated as follows:

1. One credit hour of theory is one hour of classroom teaching.
2. One credit hour of practical is two/ three hours of teaching in the laboratory/ workshop.

Examination

- Undergraduate programme: The system of examination is partly internal and partly external. Besides, each student has to appear/ submit assignment, presentation, quiz, surprise test etc.

- Postgraduate Programme: Examination system is internal. It comprises of quiz, surprise test, 1st term, 2nd term and end term examinations.

Evaluation

A student is evaluated in a course for both theory and practical, following Overall Grade Point Average (OGPA) Evaluation

1. An undergraduate student is evaluated through continuous internal assessment and external end term examination. He or she has to pass in both internal assessment and external examination (separately in theory and practicals).
2. Postgraduate students have to pass in theory and

practical examinations separately.

3. A student is declared pass only if he or she secures the following minimum Grade Points in each subject and OGPA on a scale of 10:

- a) Undergraduate Examinations: 4.5 grade points in each subject and 5.0 in OGPA.
- b) Postgraduate Examinations: 5.5 grade points in each subject and 6.0 in OGPA

4. Based on the performance of a student, each student is awarded a letter grade in each subject at the end of semester. The letter grades are: A+, A, B+, B, C+, C, D and F and the corresponding grade points are: 10, 9, 8, 7, 6, 5, 4, and 0.

Attendance

As per UGC guidelines no student will be allowed to appear in theory and practical end-term semester examination if he/ she does not fulfill 75% of attendance. As per academic regulations, the following marks will be awarded for attendance:

95 Percent and above:	5 Marks
90-94 Percent:	4 Marks
85-89 Percent:	3 Marks
80-84 Percent:	2 Marks
75-79 Percent:	1 Mark

Make-up Policy

Students who fail to get 4.5 OGPA in each subject (Undergraduate level) and 5.5 OGPA in each subject (Postgraduate level) shall have to get themselves re-registered for these courses again during the make-up semesters (8 weeks) each in winter and or summer vacations. There is no provision for reappear in this system.



PhD scholars in a lab

Our Doctoral Programme

To achieve excellence in various spheres of biotechnology, engineering, and basic, pharmaceutical and management sciences, Shoolini University has adopted a research driven model.

The PhD programmes at the university are central to that model, providing rigorous training for academic career and producing future leaders in research and education.

To maintain high standards of research, one of the examiners for the doctoral thesis shall be from outside India. A provision is also made for the appointment of an external guide for doctoral students from outside the country to match the international standards of research.

For quality research, however, the PhD guides at the level of Assistant Professors shall be associated with external mentors, a step towards achieving faculty excellence.

PhD Courses

Biotechnology/ Microbiology/ Food Technology/ Pharmaceutical Sciences/ Management/ Environment Science/ Physics /Chemistry/ Botany/ Zoology/ Economics/ ECE/ Mechanical Engineering/ Civil Engineering/ CSE.

Eligibility

Master's degree in the concerned subject/ related discipline with at least 60% marks.

Mode of Admission

Admission is made through Shoolini University Entrance Test (JRF/NET/SAT/ M Phil qualified candidates are exempted from entrance test), followed by personal interview before the admission committee of the university.

Fellowships

Besides the fellowship amount, a JRF qualified candidate shall be provided with 50% tuition fee waiver. NET qualified candidates may also be considered for limited merit base financial assistance.

Shoolini's Excellence Emanates from its Five Pillars of Strength

Come to us to witness amalgamation of brilliance, innovation and sheer exuberance working towards providing best campus environment.

Sound Governance and Cultural Heritage

- Governing Body is comprised of distinguished academicians, entrepreneurs, professional executives and consultants.
- Prof PK Khosla, Vice Chancellor (former Vice Chancellor, HPAU, Palampur) is the Chief Executive of the university's governance.
- Meditation and yogic sciences constitute an integral part of the curricula.

Distinguished Faculty

The Faculty of the University constitutes:

- A large number of distinguished academic leaders.
- Two dozen foreign qualified
- Teachers with Post-doc research from abroad.

- Forty per cent of teachers are PhDs
- Plans to have 100% PhD qualified faculty in next five years.

Quality Infrastructure

- Wi-Fi Campus with over 450 computers.
- Library with over 34,000 books (hard copies) + 1.5 lakh e-books, 544 online journals + 67 paper back journals + 9,000 e-journals, 108 journals and over 500 online journals, and Wi-Fi Lab.
- 86+ Science Labs equipped with requisite equipment and instruments for teaching and research; two Central Instrumentation Labs for expensive equipment.
- e-Labs, Language and Communication Labs are special features.

- 1,500 student residential campus with multiple cafeterias and sports facilities.

Brilliant Students

- Shoolini University intends to admit bright and brilliant students by providing quality education at an affordable cost.
- Provision of scholarships and tuition fee waivers to meritorious students and also on merit-cum-means basis.
- Institution of Earn-while you-Learn Scheme.

Academic Alliances and Linkages

MOUs have been signed with several international universities/ institutions and a host of corporate leaders and industries.





Foundation for Life Sciences & Business Management

The majority of the executive members of the Foundation are reputed professional, academicians, scientists, business executives and entrepreneurs. Prof PK Khosla, Vice Chancellor is the key person to manage and execute the functioning of the Foundation. Mr Atul Khosla, Pro Vice Chancellor is the executive trustee.

President

Ms Saroj Khosla, MA B Ed; ICE (Oxford); Retired Principal DIET, Solan

Vice President

Mr Ashok Anand, B Com Businessman

Secretary

Prof PK Khosla, PhD; Vice Chancellor, Shoolini University; Former Vice Chancellor, HPAU, Palampur and Sr Scientific Advisor Biotechnology to HP Government

Treasurer

Mr Vishal Anand, BA Eco Hons (PU), MBA

Members

Mr Ramesh K Mehan, BE; MSIE (Kansas State Univ) MBA (Dayton Univ)

Mr Satish Anand, B Com Businessman

Mr Ashish Khosla, BE, PEC, Chandigarh; PGDM, IIM Calcutta; Senior banking professional, currently Vice President with a leading bank

in the UAE. Previously VP & Head Marketing for retail banking at HSBC; Senior Executive positions at Citi bank, Marico

Mr Atul Khosla, B Tech & IIT Kanpur; MBA Jamnalal Bajaj; Currently, Senior Partner & Country Head Oliver Wyman (third largest management consultancy firm); Previous Senior Management positions: a - connect Switzerland, McKinsey & Company, Everest Group USA

Mr Gagan Anand, MBA, Coventry University, UK; Business Manager, Anand Enterprises

University Statuary Officers

- Mr Ramesh K Mehan Chancellor
- Mr Satish Anand Pro Chancellor
- Prof PK Khosla Vice Chancellor
- Mr Atul Khosla Pro Vice Chancellor & Executive Trustee
- Mrs Saroj Khosla Director Estate & Maintenance (President FLSBM)

- Mr Vishal Anand Founder Trustee, Chief Finance Officer
- Prof Sunil Puri, Registrar & Dean Academic Affairs
- Mr RN Chauhan Comptroller of Examinations
- Dr JM Julka Director Public Relations
- Dr ML Vaidya Director Health & Student Welfare
- Col (Retd) TPS Gill Director Operations
- Mr. Praveen Vasisht Director Knowledge Centre
- Mrs. Aarti Chanta Librarian

Deans of the University

- Prf Khosla Atul Dean, Faculty of Management Sciences & Liberal Arts
- Prof Mahindroo Neeraj Dean, Faculty of Pharmaceutical Sciences
- Prof Pathania Deepak Dean, Faculty of Basic Sciences
- Prof Sethi Muneesh Dean, Faculty of Engineering and Technology

- Prof Sourirajan Anuradha
Dean, Faculty of
Biotechnology
& Bioengineering
- Prof Chauhan RN
Dean Students' Welfare
- Mr. Praveen Vasisht
Director Knowledge Centre &
Dean Undergraduate Studies

Visionary Mentors

The founders, mentors and advisors of Shoolini University are visionaries who have distinguished themselves as academicians, researchers and business leaders.

Dr RC Mahajan

Renowned Parasitologist; Chairman, National Committee for International Union of Microbiological Societies (IUMS); INSA SN Bose Research Professor & Emeritus Professor; Emeritus Medical Scientist & Adviser ECD, ICMR, Dept of Parasitology, PGIMER Chandigarh; Past Vice-President, INSA (2000-2001)

Prof Deepak Pental

Former Vice Chancellor, Delhi University; Post-doctoral & Research Fellow, Plant Genetic Manipulation Group, University of Nottingham, UK.

Dr William Bentley

Principal, Salmon Brook Associates, North Granby CT, UK; Associate, Connecticut Forest & Park Association; Former Professor & Chairman, Faculty of Forest and Natural Resource Management, UK; Chair & Facilitator, Blue Ribbon Panel on America's Research Policy.

Dr KS Bawa

Distinguished Professor & Former Chairman, Biology Dept, University of Massachusetts, USA; Trustee Ashoka Trust for Research in Ecology and Environment; Member, US National Committee of the International Union of Biological Sciences.

Padma Bhushan SP Oswal

Chairman, Vardhman Group, the largest Indian textile conglomerate; Chairman, National Textile Committee of the CII; Philanthropist involved in uplift of down trodden; Actively involved in transfer of technology for high productivity.

Padma Shri RC Sobti

Vice Chancellor, Babasaheb Bhimrao Ambedkar University, Lucknow; General President of 101st Session of Indian Science Congress; Former Vice Chancellor, Panjab University, Chandigarh; Distinguished biotechnologist.

Justice (Retd) NK Sodhi

Former Chief Justice of Karnataka High Court; Former Chairman of SAT (Special Appellate Tribunal), Government of India; Former Judge, Punjab & Haryana High Court.



Academic Leadership

Prof Chandra Subhash
PhD, University of Cincinnati,
BE; Professor of Eminence,
Mechanical Engineering

Internationally renowned expert on clean technologies; Programme manager in Westinghouse Nuclear Company, USA; Ex-Director, Clean Energy Institute, USA; Held various teaching positions at the prestigious Hartford University, USA; Chief Technology Officer, Connecticut Clean Energy Fund, USA.

Dr Dev Kamal
PhD; Professor, Biotechnology

Noted researcher in molecular biology, genetics, and protein biochemistry with a goal to harness the Himalayan biodiversity for the benefit of society; Postdoctoral Fellowship, National Institutes of Health (NIH), USA; Pursuing a Government of India funded research project – Identification and characterization of medicinal plants of North West Himalayas with synergistic effects on traditional antibiotics to control clinical bacterial infection.

Dr Dwevidi RP
PhD; Professor, Electronics &
Communication Engg

An expert in material science that includes fabrication and analysis of transparent conducting oxides films for flat panel displays; Research interest includes micro/nanophotonic devices for integrated photonics; Post-doc Fellowship, Inha University.

Er Goel PL
M Sc Civil Engineering;
Professor, Civil Engineering

Eminent engineer with vast experience in the execution of major civil works of hydel and thermal power stations, road cum rail track, residential complexes, etc; Former Chief Engineer/Advisor, Punjab State Electricity Board; Associated with major construction companies like BHEL, UNITECH, NTPC, GDC, etc; Ex HOD, Baddi University of Sciences and Technology; Member, Indian Geo-Tech Society, ISET & MIE.

Dr Goel Yashvir Singh
PhD, IIT Delhi; Former Head
Training, IIT Delhi;
Professor of Eminence,
Mechanical Engineering

Senior Professional with vast experience in steel, automobile, water systems & power sector; Former Head Training, IIT Delhi; Noted advisor for industrial /education sector.

Prof Julka JM
PhD; Professor of Eminence,
Biosciences

Noted animal ecologist, taxonomist and vemitologist; Visiting Fellow Smithsonian Institution, USA; UGC Visiting Fellow, School of Life Sciences, Sambalpur University, Orissa; Specialist Member HP Biodiversity Board; Visiting Professor, MG University, Kottayam, Kerala; Ex Member, SEIAA, HP; Former Joint Director and Emeritus Scientist, Zoological Survey of India.

Prof Khosla Atul
B Tech (IIT Kanpur), MBA
(Jamna Lal Bajaj, Mumbai);
Professor, Management
Sciences & Pro Vice
Chancellor & Executive Trustee

Distinguished Senior Executive with outstanding career incorporate sector; Senior Partner & Managing Director, Oliver Wyman (the leading international consulting firm); Senior Management Positions at McKinsey & Company, a connect Switzerland, Everest group USA, Towers Watson.

Er Mahajan CP
ME, Water Resource
Development (Elect), IIT
Roorkee; Professor of
Eminence, Electrical
Engineering

Distinguished engineer with vast experience in hydro power development and rural electrification in HP; Former Chief Engineer, HPSEB; Ex Professor & Head, Electrical & Electronics Engineering, RIT, University of Pondicherry; Fellow & Chairman, HP Chapter Indian Water Resources Society, IIT, Roorkee.

Prof Negi YS
PhD; Professor
Faculty of Management
Sciences & Liberal Arts

An alumnus of University of California, Prof. Negi specializes in Natural Resource Economics in the country. He has over 80 research papers to his credit and is associated with more than 25 research projects. Dr Negi has been on expert panel of ASRB, New Delhi and a member of Green Accounting team for Forest Sector Reforms.

Prof Mahindroo Neeraj
PhD; Professor & Dean,
Pharmaceutical Sciences

Noted pharmacist with research interest in new drug discovery, design and synthesis of small drug like molecules; Former Research Fellow, International Centre for Science & High Technology, Trieste, Italy; Postdoc research at Dept of Chemical Biology & Therapeutics, St. Jude Children's Research Hospital, Memphis, USA; Division of Biotechnology & Pharmaceutical Research, NHR, Taipei, Taiwan.

Er Nanda Arvind
B Sc (Production Engg),
FTGMP; Director General

An experienced engineer with vast industrial expertise in various fields; Promoter & Chief Executive, Growth enables Consulting; Senior Management positions at Anand Automotives, Taneja Aerospace, Indian Seamless, Swaraj, Jessop & Co.

Prof Puri Sunil
PhD; Professor &
Dean Academic Affairs

Distinguished plant physiologist & agroforester; Visited Oxford Forestry institute, U.K; Former Professor of Forestry HAU, Hisar and Indira Gandhi Agricultural University, Raipur; Awarded United States of America international Diploma of Honour for research in forestry.

Prof Sharma DR
PhD; Professor of
Eminence, Biotechnology

Eminent plant biotechnologist with vast experience in micropropagation and development of disease resistant plants; UNESCO & FAO Fellow in USA and Morocco

respectively; Member Indo-US Management Team & Research Advisory Committee to ICAR Institutes; Overseas Associate, DBT, GOI; Former Head, Dept of Biotechnology & Director (Res), UHF, Solan.

Prof Sharma PC
MVSc, PhD; Honorary
Professor of Eminence,
Microbiology

Eminent microbiologist with vast teaching and research experience in veterinary microbiology, livestock and poultry diseases; Awarded Commonwealth Academic Staff Scholarship by the Association of Commonwealth Universities and Commonwealth Scholarship Commission, U.K; Former Professor, Veterinary Microbiology, Haryana Agricultural University Hisar; Edited seven books.

Er Soni JP
B Tech (Hons), Civil Engg, IIT
Kharagpur, PhD; Professor
of Eminence, Engineering

Distinguished engineer with vast teaching and research experience; Fellow Institute of

Engineers; Co-author of a text experience; Fellow Institute of Engineers; Co-author of a textbook on Water Resources Engineering; Associated with designing of Bhakra Dam; Former Professor and Head, Civil Engineering Department, Punjab Agricultural University; Honoured with 'Faculty Level Best teacher Award' by ICAR.

Prof Tewari SC
PhD; Professor of Eminence

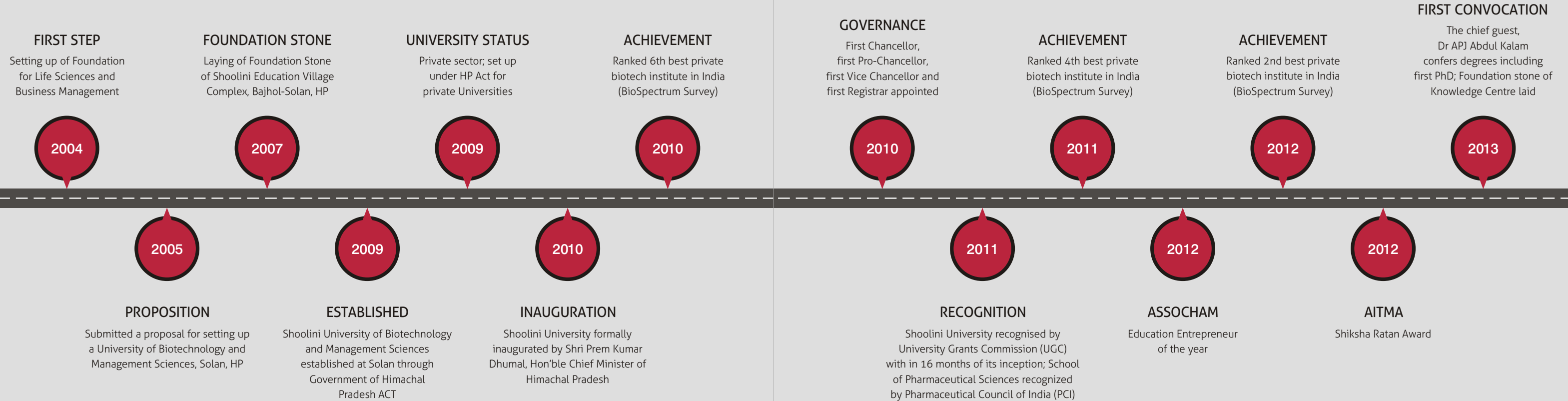
Reputed economist and resource management expert; Visiting Professor Ohio State University, USA; Former Professor Rural Management, University of Dar-e-Salaam, Tanzania, Former Head, Dept of Social Sciences, University of Horticulture and Forestry, Solan.

Dr Vaidya ML
MBBS, DPH, Professor,
Pharmacy & Director
Health Care

Experienced medical professional; World Health Organisation (WHO) Fellow-Malaria; Former Joint Director, Himachal Pradesh Health Services.

BUILDING FOUNDATION FOR A STRONG FUTURE

Shoolini Milestones 2004 to 2013



Shoolini Milestones 2013-till date

ACHIEVEMENT

Shoolini Business School awarded Best Upcoming Private Business School ASSOCHAM Award

2013

DAINIK BHASKAR

Shoolini Business School ranked No. 19 among top B Schools in India

2013

INTERNATIONAL EXCHANGE

First batch of B Tech students complete a semester at Suwon & Gachon Universities in South Korea

2014

CCI & GTU

Excellent University for Research in Biotechnology Sciences Award

2014

ACHIEVEMENT

Innovation in Placements 7th DNA Innovative B school Awards

2015

SECOND CONVOCATION

Nobel laureate Dr. Robert Huber confers degrees; Center of Research on Himalayan Sustainability & Development inaugurated

2015

INTERNATIONAL DIALOGUE

Shoolini hosts International Dialogue on Himalayan Ecology; leading social activists, policy makers & members of judiciary including NGT Chairman Justice Swatanter Kumar attend the event

2016

2013

eUNIV

Online courses launched; More than 500 video lectures across disciplines available to students; Two state-of-art soundproof studios have been established for recording

2014

ASSOCHAM

Shoolini wins Most Upcoming Engineering College Award

2014

SKILLTREE

Shoolini University conferred with Great Place to Study Award at House of Commons, UK

2015

CAMPUS PREPAREDNESS AWARD

Higher Education Forum in association with 'Engineering Watch' bestows Shoolini with 'Campus Preparedness Award 2015 -North Zone'

2015

RESEARCH

External Research funding set to cross Rs. 200 million

2016

ACHIEVEMENT

Ranked 66th among top100 universities in the country by MHRD, GOI



Faculties

Faculty of Applied Sciences & Biotechnology

Prof. Anuradha Sourirajan
Professor & Dean,
Faculty of Biotechnology
& Applied Sciences



A post doctorate from National Cancer Institute, National Institutes of Health (NIH), USA, Prof. Anuradha Sourirajan specializes in the field of protein biochemistry, genetics and molecular biology. She got her PhD from the Indian Institute of Science, Bangalore, a premier institution for scientific and industrial research and higher education in India.

Anuradha's research spans the understanding of cell cycle regulation of yeast meiosis, exploiting medicinal plants of Western Himalayas for cancer therapeutics using yeast system, and stress control using halophile microbes and ferns. Her research focuses on questions such as: What are the targets in cell cycle that can potentially be used for blocking cancer progression? Her research findings have been widely published in internationally reputed journals. Her research has been endorsed by extramural funding from Department of Biotechnology and Department of Science and Technology, Government of India. She has about two dozen research papers and three patents to her credit.

Faculty of Applied Sciences & Biotechnology

Considered among the best in the country in the BioSpectrum rankings, the Faculty of Biotechnology research focuses on bio-molecular engineering, host-pathogen interaction, cloning and molecular characterization of industrially important proteins and enzymes, bio-fertilizers and bio-pesticides.

Biotechnology is the application of scientific and engineering principles to the processing of materials by biological agents to provide goods and services.

The 21st century is an era of discovery; each day scientists bring us closer to understanding fundamental questions about life where biotechnology makes a substantial contribution to generate tremendous employment opportunities in more advanced technologies like nanotechnology, stem cell research, cell signaling,

healthcare biosensors, bioremediation, bioinformatics, pharmaceuticals and genetically modified products of diverse origins.

The Faculty of Biotechnology enjoys excellent reputation for well qualified and learned faculty which include a dozen post docs trained from various institutions in USA and Europe.

The Biotechnology Corporate Resource Centre acts as an interface between the students, teachers, and the corporate world for continuous interaction with the industry, sharing the industry experiences, understanding industry needs and providing the required support to the corporate world.

The corporate partners include Biocon Ltd, Serum Institute India Ltd, ITC Ltd, Panacea Biotech, Syngene International Ltd, Dabur Ltd, Jubilant Organosys Ltd, Ocimum Bio-solutions and Nectar Life-Sciences Ltd.

The Faculty has also academic alliances with Seoul National University, South Korea, for exchange of students, Transgenic Life Sciences for collaborative biotech research and Upkar Pharmaceuticals, Tirupati Medicare and Nutra Helix for strengthening programmes in Food Technology. It has formed mutually beneficial links with various industries for commercialising research leads of the university & for students' projects and training.

The faculty has been awarded DST FIST grant for the establishment of advanced biological research facility for proteomics with a funding of Rs 1.3 crore from DST.

14 patents have been filed in the area of drug discovery, enzymes and anti freeze proteins.

The university received a financial assistance of Rs 73.71 lakh under the Human Resource Development Scheme for creation of Infrastructure Development facilities for B Tech & M Tech Food technology

courses by the Ministry of Food Processing Industries (MOFPI), Government of India.

The project includes financial assistance for the purchase of 26 major machines and equipments related to food processing, canning line and dairy processing line. The financial grant also includes an assistance of Rs 5 lakh for the purchase of more than 500 book titles in the subject of food technology. The University is also looking forward to producing marketable food, vegetable and dairy based products tailored by the food processing units at a pilot scale. Another project on the establishment of Food Testing Laboratory, with a financial outlay of Rs 3 crore is also in the pipeline.

Further to satisfy the requirements of the biotech industry, our graduates are imparted practical training in plant tissue culture, biotransformation, fermentation, DNA and RNA isolation, industrial microbes screening and production,

biochemical analysis and standardization of analytical instruments.

Current Areas of Research

- Anticancer and Immunomodulation Drugs
- Antimicrobials and Nano-Particle Based Drugs
- Biofertilizers and Pest Biocontrol
- Bioremediation and Crop Improvement
- Conservation of Himalayan Biodiversity
- Desiccation and Salinity Tolerance in Crops
- Etiology of Human Diseases
- Genetic Diagnostics of Pathogens
- Genomics, Proteomics, and Enzyme Mining
- Low Cost Food Processing Engineering
- Nanopeptide Based Vaccines
- Nutraceuticals
- Plant Host-Pathogen Interaction
- Probiotics

Career Paths

- Pharmaceutical Industry (R&D/ Management)
- Clinical Trials & Research
- Operations (Process Development Technician/ Manager)
- Quality Control
- Forensics
- Inventorisation, Characterization & Documentation
- Environment Control
- Waste Management
- Environmental Protection/ Biodiversity Conservation
- Testing & Developing of Genetically Modified (GM) Organisms
- Food, Brewing, Drinks & Water Industries
- Academics (Teaching/ Training)

School of Biotechnology

Faculty Members

Prof RC Mahajan

PhD, Professor of Eminence
PGIMER, Chandigarh & Advisor
ECD, ICMR; Professor of
Eminence (Medical
Microbiology)

Dr Manoj K Kashyap

PhD; Adjunct Professor

Prof Bhavender Paul

PhD, Post Doc USA;
Professor of Eminence

Prof DR Sharma

PhD, Professor of Eminence,
Former Head, Biotech
Dept & Director (Res), UHF,
Solam

Dr Anuradha Sourirajan

PhD, Professor cum Dean
(Biotechnology); Post-Doc
National Cancer Institute (NIH),
USA

Dr Kamal Dev

PhD, Professor
Post-Doc Fellowship, National
Inst Child Health &
Development, USA

Dr Sourabh Kulshreshtha

PhD, Professor;
Post-Doc, Dept of Pathology,
University of Kentucky,
USA & Germany

Dr Umar Farooq

PhD, Professor
(Microbiology); Former
Research Associate, PGI,
Chandigarh, Asst Prof Omar El
Mukhtar University, Libya

Dr Savita Jandaik

PhD; Associate Professor

Dr Zaved Ahmed Khan

PhD, GPAT;
Associate Professor

Dr Asha Tripathi

PhD; Assistant Professor
(Microbiology)

Dr Reena Vohra

PhD, Post Doc; Assistant
Professor
(Animal biotechnology)

Dr Anshul Sharma

PhD, NET; Assistant Professor
(Biotechnology)

Dr Chandrika Attri Seth

PhD (Biotechnology);
Assistant Professor

Dr Azhar Khan

PhD (Biotechnology);
Assistant Professor

Dr Sharadwata Pan

PhD (Biotechnology);
Assistant Professor

Dr Abhishek Sharma

PhD (Biotechnology);
Assistant Professor

Mr Vikas Kumar

M Sc; Teaching Assistant
(Biotechnology)

Academic Programmes

- B Sc (Hons) Biotechnology
- B Sc (Hons) Microbiology
- B Sc (Hons) Agriculture*
- Integrated B Sc (Hons) - M Sc (Biotechnology)
- Integrated B Sc (Hons) - M Sc (Microbiology)
- M Sc Biotechnology
- M Sc Microbiology
- MBA Biotechnology
- M Phil Biotechnology
- M Phil Microbiology
- PhD Biotechnology
- PhD Microbiology

(*Approval under process)

B Sc (Hons) Biotechnology

Eligibility: 10+2 (PCB/PCM) with 55% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

B Sc (Hons) Microbiology

Eligibility: 10+2 (PCB) with 55% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

B Sc (Hons) Agriculture*

Eligibility: 10+2 (PCB+PCM) with 55% marks

Duration: 8 semesters

Basis of Admission: As per HP Govt. rules

Being an agro-based economy, India provides vast opportunities in agriculture research, development and extension. This programme aims to provide graduates knowledge, skills and competencies in agriculture and related fields. Our B Sc (Hons) Agriculture degree prepares students for a wide range of careers in the agriculture industry and ancillary organizations.

On successful completion of the course, they will have an understanding of the broad principles underpinning general farm production whilst monitoring environmental and commercial viability. (*Approval under process)

Integrated B Sc (Hons) - M Sc (Biotechnology)

Eligibility: 10+2 (PCB/PCM) with more than 75% marks

Duration: 10 semesters

Basis of Admission: By merit of qualifying examination

Integrated B Sc (Hons)- M Sc (Microbiology)

Eligibility: 10+2 (PCB/PCM) with more than 75% marks

Duration: 10 semesters

Basis of Admission: By merit of qualifying examination

M Sc Biotechnology

Eligibility: BSc with Biotechnology/ Microbiology/ Biochemistry/ Life or Physical Sciences as one of the subject or Bachelor Degree in any branch of science & technology. Minimum marks 55%

Duration: 4 semesters.

Basis of Admission: Through Shoolini University entrance test (Online facility available)

The objective of the course is to provide students with the skills, knowledge and experience that are needed to pursue a successful career in biotechnology. The programme is designed to expose the students to recent exciting developments in the area of genetic engineering and biotechnology and their exploitation in industry, agriculture and medicine. It combines course work with research and prepares students for careers as professional biotechnologists in industry, government, education, and research organizations, or for further professional training and research. It is also a foundation for entry into M Phil or PhD. Curriculum is also oriented towards comprehensive learning for success in National Eligibility Test (NET) along with regular practice tests for continuous development of students.

M Sc Microbiology

Eligibility: BSc with Microbiology/ Biotechnology / Biochemistry/ Life Sciences as one of the subject with at least 55% marks (Admission in order of above preference)

Duration: 4 semesters.

Research will form a part of the programme starting from the first semester

Basis of Admission: Through Shoolini University entrance test (Online facility available)

Microbes have played an important role in the large scale chemical transformations (carbon, nitrogen and sulphur cycles) on this earth. Microbiology, the science of microorganisms, has contributed significantly in the development of biotechnology, biochemistry, genetics and molecular biology. Microorganisms help in several industries like pharmaceutical industry, jute industry, food industry, etc. Hormones, vitamins, vaccines are also manufactured from microorganisms.

MBA Biotechnology*

Eligibility: Bachelor's Degree in Science/ Engineering/ Technology with at least 50% marks

Duration: 4 semesters.

Industrial Training/ Project Work: Project Study/ industrial training in the last semester.

Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level Management Aptitude Test, followed by group discussion and personal interview at School of Business Management, Shoolini University.

(*Jointly with Faculty of Management Sciences & Liberal Arts)

The MBA Biotechnology program is specially designed for students with a science or technical background who want to improve their competencies in general management, finance and business administration. The key to a career in biotechnology is to appreciate the unique challenges faced bybiotechnological, pharmaceutical, food and



bio-based companies. Managers in biotech and related companies/ industries are to be competent in biotech processes as well in management practices. The MBA Biotechnology at Shoolini University School of Business Management is unique as the top country heads and highly qualified biotech scientists teach the students. This helps them in getting lucrative managerial jobs because they are well exposed to the needs of the corporate sector and have sound technical knowledge to meet the needs of highly specialized biotech and pharmaceutical industries.

M Phil Biotechnology / Microbiology

Eligibility: M Sc/ Biotechnology/ Microbiology/ any related branch of Life Sciences with minimum of 60% marks.

Duration: 2 semesters: 1 semester course work + 1 semester research

Basis of Admission: Through Shoolini University Entrance Test followed by personal

interview before the admission committee of the university.

PhD Biotechnology

Eligibility: Master's degree in Biotechnology/ related discipline with at least 60% marks.

Duration: 6 semesters: 1 semester course work + 5 semester research

Basis of Admission: Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/ NET/ SAT/ M Phil qualified candidates are exempted from entrance test.

PhD Microbiology

Eligibility: Master's degree in the Microbiology/ related discipline with at least 60% marks.

Duration: 6 semesters: 1 semester course work + 5 semester research

Basis of Admission: Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/ NET/ SAT/ M Phil qualified candidates are exempted from entrance test.

School of Bioengineering & Food Technology

The mission of the School of Bioengineering and Food Technology is to 'advance scientific knowledge through discovery and teaching and we do very well in both. We strive hard for quality production of trained human resource for job opportunities in bioscience based industries and research organizations. Our model is to blend expertise in biosciences with the principles and practices of business management and create skilled human resource for the leadership positions in biotechnology, pharmaceutical, healthcare and food processing industries.

The food technology programme of the School is supported for infrastructure development under HRD scheme of Ministry of Food Processing industries(MoFPI), Govt of India.

Faculty Members

Prof Manoranjan Kalia
PhD (Ohio State University); Professor of Eminence; Former Vice Chancellor of HP Agriculture University

Prof Umesh Kumar Kohli
PhD; Post-Doc, (Washington State University, USA); Professor of Eminence

Dr Dinesh Kumar
PhD; Experience in Ireland & Netherlands; Professor (Biotechnology)

Dr Adesh Saini
PhD; Post-Doc, Laboratory of Gene Regulation & Development (NIH), USA; Professor (Biotechnology)

Dr Somesh Sharma
PhD, NET Associate Prof (Food Tech)

Dr Amit Seth
PhD, NET; Assistant Professor (Biotechnology)

Dr PK Chauhan
PhD; Assistant Professor (Biochemistry)

Dr Ravinder Kaushik
PhD, NET Assistant Prof (Food Tech)

Dr Naveen Kumar
PhD, NET Assistant Professor (Dairy Tech)

Mr Ankur Kushal
M Tech; Biotechnology; Assistant Professor

Ms Shalini Jaggi
M Tech; Assistant Professor (Biotechnology)

Mr Rupak Nagraik
M Tech; Assistant Professor (Bioinformatics)

Mr Vikas Bansal
M Tech; Assistant Professor (Food Tech)

Mr Rahul Thory
M Sc, NET Assistant Professor (Food Tech)

Academic Programmes

- B Sc (Hons) Food Technology
- B Tech Biotechnology
- B Tech Food Technology
- M Tech Biotechnology
- M Tech Food Technology
- M Sc Food Technology
- PhD Food Technology

B Sc (Hons) Food Technology

Eligibility: 10+2 (PCB/PCM) with 55% marks.

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

Food Technology is a multidisciplinary field of applied physical sciences, microbiology, process engineering, management, marketing for food and related industries. It includes, but is not limited to, the application of agricultural engineering, mechanical engineering and chemical engineering principles to food materials. Food Technology provides the technological knowledge transfer essential to the cost effective production and commercialization of food products and services.

B Tech Biotechnology

Eligibility: 10 + 2 (PCM/ PCB); with minimum 55% marks

Lateral entry to 3rd semester for Diploma holders in concerned or related subject with minimum 55% marks

Duration: 8 semesters

Basis of Admission: Through JEE/ AIPMT/ HPCET or any equivalent entrance test recognised by HP Government. Industrial Training: Spread over different semesters for on-hand experience in biotech related commercial/ research and development activities.

Specialisation: Provision for Specialisation/ Electives in 5th Semester in Medical/ Pharmaceutical Biotechnology, Plant (seed technology) & Food Biotechnology, Bioinformatics, Nanotechnology, Animal Biotechnology, Environment Biotechnology

Biotechnology is an interdisciplinary science integrating biological sciences with engineering sciences, pharmaceutical sciences, mathematics, chemistry and physics. Biotechnology has applications in diverse fields, such as medicine, agriculture, food technology, pharmaceuticals, diagnostics, blood products, artificial organs, nutraceuticals, energy, pollution control, environment protection and waste management

B Tech Food Technology

Eligibility: 10+2 (PCM/PCB); with minimum 55% marks Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum of 55% marks
Duration: 8 semesters
Basis of Admission: Through JEE/ AIMPT/ HPCET or any equivalent entrance test recognised by HP Government.

Industrial Training: Spread over different semesters for exposure to industrial working environment and hands on training for food processing technologies, and maintenance of plants and machinery. Food Technology is a multi disciplinary field of applied physical sciences, microbiology, process engineering, management, marketing for food and related industries. It includes, but is not limited to, the application of agricultural engineering, mechanical engineering and chemical engineering principles to food materials. Food Technology provides the technological knowledge transfer essential to the cost

effective production and commercialization of food products and services.

M Tech Biotechnology

Eligibility: BE/ B Tech Biotechnology OR M Sc Biotechnology/ Microbiology/ Biochemistry/ any other branch of Life Sciences; minimum marks 60%
Duration: 4 semesters
Basis of Admission: Through Shoolini University Entrance Test /GATE/HPTU followed by Personal Interview

M Tech in Biotechnology is designed to provide students with a formal qualification in engineering at the master's level. Biotech engineers focus on gene cloning, genomics and proteomics, and other basic molecular techniques. More specifically, this discipline looks at discovering and applying new biotechnology products to the problems we face, these engineers help to make all of our lives better day-by-day by harnessing biological systems as a way of producing new products.

M Tech Food Technology

Eligibility: BE/ B Tech Food Technology/ Agriculture/ Biotechnology OR M Sc Biotechnology/ Microbiology/ Biochemistry/ any other branch of Life Sciences; minimum marks 60%
Duration: 4 semesters
Basis of Admission: Through Shoolini University Entrance Test /GATE/HPTU followed by Personal Interview

M Tech Food Technology course helps for planning and managing a production process from raw materials to finished product taking food safety and quality in to account.

M Sc Food Technology

Eligibility: B Sc; minimum marks 50%
Duration: 4 semesters
Basis of Admission: Through Shoolini University entrance test (Online facility available) followed by Personal interview

Food Technology provides an effective and timely platform for researchers in universities, research institutions, and industries, to conduct research

in cutting-edge processing technologies, involved from the beginning of the food supply source to the dinner table of the consumers.

PhD Food Technology

Eligibility: Master's degree in Food Technology/ Food Science Microbiology/ Biotechnology or any other related discipline with at least 60% marks
Duration: Minimum 6 semesters
Basis of Admission: Admission shall be made through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/ NET/ SAT/ M Phil qualified candidates are exempted from entrance test.

- 25% seats are reserved for Himachali domicile candidates
- Minimum eligibility marks relaxable for SC/ ST/backward classes and others as per the rules of Himachal Pradesh Government
- Roaster for admissions as per HP Govt rules



Faculty of Engineering & Technology

Prof Muneesh Sethi
Professor & Dean,
Faculty of Engineering
& Technology



Prof Muneesh Sethi, with PhD from NIT Hamirpur, is an eminent mechanical engineer. With more than a decade of experience as a teacher and as a professional in various organisations, Sethi's core areas of research lie in knowing the intricacies of thermal engineering. His interests include solar energy, biomass and heat transfer, especially solar thermal and solar photovoltaic systems.

Prof Sethi has developed empirical correlations for estimation of heat transfer and pressure drop based on the experimental data observed for different rib parameters and operating conditions. He has also carried out experimental investigation on a rib roughened solar air heater and investigated the usefulness of dimpled rib roughness on the heated plate.

He has published a good number of research papers in various international and national journals and conferences. He has implemented different renewable technologies like steam cooking, solar water heating etc. in the university hostels. Besides he has also undertaken ministry of New and Renewable Energy funded project to develop the campus of the University as Green Campus. Dr. Sethi is also the reviewer of reputed international journals. He has delivered keynote lectures

Faculty of Engineering & Technology

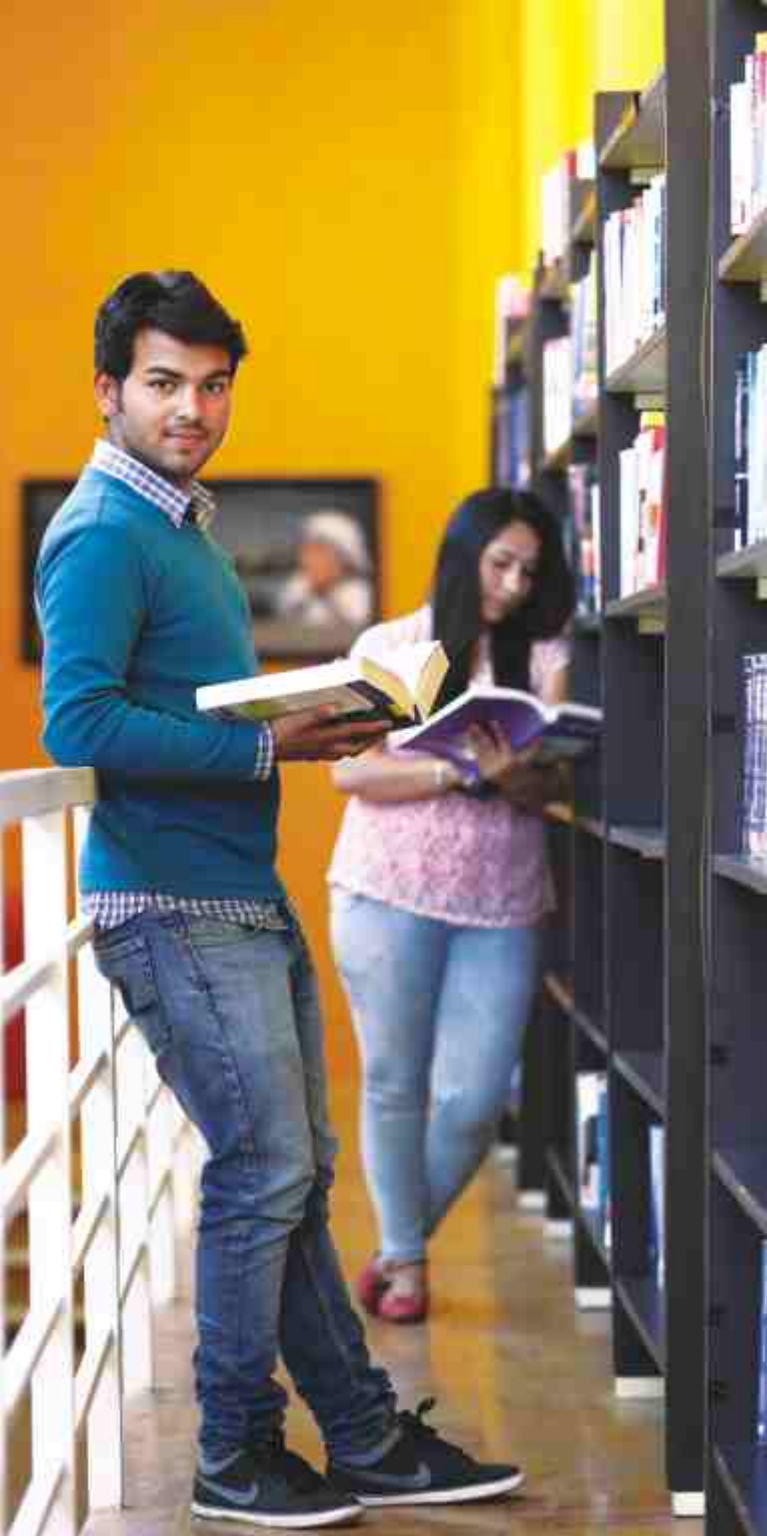
Shoolini University excels in engineering and technology as an academic discipline with its highly qualified and experienced full time faculty, who have several years of experience as either academicians or having worked at senior positions in the industry. Thus, both theoretical base and practical knowledge are being imparted.

The curriculum is globalised as the result of links with leading international engineering schools, and the courses have been designed after taking the feedback from the industry. The labs and work spaces are constantly updated in line with latest industrial trends, especially the design and implementation of complex computer systems from sophisticated databases to cutting-edge technologies.

The Faculty of Engineering and Technology believes in imparting industry relevant

education to its students so that an immediate employable pool of engineers can be created. To enhance the employability of our students, they are facilitated to improve their communication and presentation skills, and develop personality through self grooming and meditation. We have implemented several innovative programmes such as strategic partnership with Anand Automotive Group, leading manufacturer of automotive components and systems in India, for improving educational qualifications of its diploma holder employees.

Shoolini University's 'Sprint Programme' is designed to significantly upgrade skills and capabilities of its engineering and technology students. Led by top corporate and industry leaders, leading entrepreneurs and professional trainers, the programme involves exhaustive sessions on current affairs in relevant industry domains, soft skills, personal interviews and



group discussion based on highly interactive approach. It is an accelerated learning programme designed after Shoolini's 'Sprint MBA' that is inspired by Stanford's mini MBA.

Centre of Excellence for Automobile Engineering

Shoolini University has established the Centre of Excellence for Automobile Engineering by joining hands with leading industries in Automotive Engineering to achieve excellence and to produce entrepreneurs and technocrats.

It will be the first such institute in region providing academic excellence in Automotive engineering at Under graduation, Master's and Doctorate level, along with imparting training to upgrades skills required by the Automotive industry.

Centre of Excellence for Nanotechnology

Nanotechnology is an emerging technology of the 21st century. It relates to

the study of production and manipulation of materials at extremely small scale with applications across all branches of science and engineering. The university has, thus, established the Centre of Excellence in Nanotechnology (CEN) which provides common facilities for undertaking multi disciplinary research in nanoscience and nanotechnology. The main objectives of the CEN include joint research with national and international institutions, technology transfer and commercialization of research outcomes.

International Student and Faculty Exchange

As part of international tie-ups with various organisations, Shoolini University has in place an exchange programme for students and faculty to prosecute studies and undertake research at respective organisation. Under the student exchange programme, 34 students have gone for studies and research in various reputed universities/ institutions in South Korea, Taiwan, China and USA. Vice versa 5 South Korean students

have completed one semester at Shoolini. Students have been awarded fellowships to meet their boarding, lodging and tuition fee expenses at the South Korean Universities.

On the faculty exchange front, Dr Hyung-In-Lee, Research Professor from Seoul National University taught Shoolini B Tech students (electrical and mechanical engineering) for a fortnight.

Facilities

- Mechanical Workshops (4)
 - Mechanical labs (3)
 - Physics & Chemistry Labs (2)
 - Computer Labs with broadband connectivity OptiPlex Dell high end machines (5)
 - Electrical Lab (1)
 - Food Technology Labs (2)
 - Electronics and Communication Labs (5)
 - Drawing Hall (3)
 - CSE Labs (3)
 - Language Lab (1)
 - Seminar Room (1)
 - Tutorial Rooms (6)
- Equipments & Facilities under the Faculty of Biotech & Faculty of Basic Sciences

Current Areas of Research

- Big Data
- Image Processing
- Cloud Computing
- Wireless Sensor and Networks
- Cryptography and Network Security
- Transparent Conducting Oxide Films
- Integrated Micro/ Nano Photonics
- Robotics and Automation
- MEMS and NEWS
- Heat Transfer
- Material Science
- Hydro Turbines
- Manufacturing Technology
- Renewable Energy

Career Paths

- Software Engineers / System Analysts & Developers/ Programmers
- Database Management Media & Computer Graphics
- Cyber Security Managers
- Aviation, Semi-Conductor & Telecom Industries

- Food Processing, Distillery, Beverages, Bakery, Soft Drinks Industries
- Biotechnology, Bioinformatics and Pharmaceutical Industries
- Chip Designing
- Defence Organizations
- Technical & Logistics Cadres)
- Mobile, Wireless, Internet & Telecommunication Sectors
- Academics (Teaching/ Research/Training)
- Entertainment & Hospitality Sectors
- Construction Buildings, Dams, Roads, Tunnels, Super Highways

School of Mechanical & Civil Engineering

Faculty Members

Dr Subhash Chandra
PhD (Mechanical Engg), University of Cincinnati; Professor of Eminence; MD & Chief Technology Officer, Connecticut Clean Energy Fund

Dr JP Soni
PhD, BE; Former Professor & Head, Civil Engineering Dept, PAU; Executed engineering programmes in Ahmadu Bellu University, and Zaria and Kaduna Polytechnics in Nigeria; Professor of Eminence (Civil)

Dr SR Prabhakar
PhD (Metallurgical Engg.) (ME); Professor of Eminence

Mr Arvind Nanda
FTGMP (General Management), B Sc Production Engineering; Director General

Dr Muneesh Sethi
PhD, M Tech Fluid Mechanics; Professor & Dean, Faculty of Engineering of Technology

Er PL Goel
B Sc (Hons) Civil Engineering,
M Sc Civil Engineering; Former
Chief Engineer (Civil), PSEB;
Professor

Dr Mohindra Singh Thakur
PhD, (Civil); Professor

Dr Anil Kumar
PhD, Mechanical Engg;
Assistant Professor
(Mechanical) - On study leave

Dr Priyadarshi Upadhyay
PhD, Assistant Professor
(Civil)

Dr Ranchan Chauhan
PhD (ME); Assistant Professor
(Mechanical)

Er Abhilash Pathania
M Tech, (Production
Technology); Assistant Professor
(Mechanical)

Er Robin Thakur
M Tech; Assistant Professor
(Mechanical)

Er Anshul Sehgal
ME (Machine Design);
Assistant Professor
(Mechanical)

Er Sanjay Garg
M Tech (Civil Engg);
Assistant Professor
(Civil)

Er Sorabh Aggarwal
M Tech; Assistant Professor
(Mechanical)

Dr Neeraj Gandotra*
PhD, M Sc; Associate Professor
(Mathematics)
(*Deputed from Faculty of
Basic Sciences)

Mr Virender Pratap Singh*
M Phil (Physics); M Tech;
Assistant Professor Solid State
Physics
(*Deputed from Faculty of
Basic Sciences)

Dr Alok Darshan Kothiyal
*PhD; Post-Doc; Assistant
Professor (Mathematics)
(*Deputed from Faculty of
Basic Sciences)

Er Sumit Mehlwal
M Tech; Assistant Professor
(Mechanical)

Er Nitin Kumar Sharma
M Tech; Assistant Professor
(Mechanical)

Er Raj Kumar
M Tech; Assistant Professor
(Mechanical)

Er Amar Raj Singh
M Tech; Assistant Professor
(Mechanical)

Er Sashank Thapa
M Tech; Assistant Professor
(Mechanical)

Er Akshay Pathania
M Tech; Assistant Professor
(Mechanical)

Mr. Satyender Singh
M Tech, (Mech. Engg);
Assistant Professor

Ms Devina Rattan Paul
M.Tech; Assistant Professor

Mr Adit Rana
M.Tech. (ME);
Assistant Professor

Ms Himani Verma
M.Tech. (ME);
Assistant Professor

Er Oumpratap Sharma
B Tech; Lecturer (Civil)

Er Sushil Kumar
B Tech; Lecturer (Mechanical)

Academic Programmes

- B Tech Civil Engineering
- B Tech Mechanical Engineering
- B Tech Automotive Technology
- M Tech Mechanical Engineering
- M Tech Civil Engineering
- PhD Mechanical Engineering
- PhD Civil Engineering

B Tech Civil Engineering

Eligibility: 10+2 (PCM) with at least 55% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works like roads,

bridges, canals, dams, and buildings.

Civil engineering takes place at all levels: in the public sector from municipal through to national governments, and in the private sector from individual homeowners through to international companies.

B Tech Mechanical Engineering

Eligibility: 10+2 (PCM) with at least 55% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

Mechanical engineering is a discipline of engineering that applies the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. It is the branch of engineering that involves production and usage of heat and mechanical power for the design, production, and operation of machines and tools.





It is one of the oldest and broadest engineering disciplines.

B Tech Automotive Technology

Eligibility: 10+2 (PCM) with at least 55% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

The Faculty of Engineering and Technology have established a Centre for Excellence in Automotive Engineering by joining hands with Anand Automotives, leaders in automotive engineering, for producing excellent and talented engineers needed in the fast expanding automotive industry.

The B Tech programme in automotive technology prepares students for entry into automobile industry. The automotive industry in our country is one of the largest in the world, thus providing vast job prospects at various levels

M Tech Mechanical Engineering

Eligibility: B Tech Mechanical Engineering with minimum marks 50%;

Duration: 4 semesters

Basis of Admission: Through GATE/HPTU Entrance Test followed by Personal Interview

M Tech Mechanical Engineering degree programme prepares the student for a successful professional career through advanced study in design, development, analysis, manufacturing, and maintenance of mechanical systems for a wide range of industries, including transportation, automation, energy generation and electronics. It combines courses with research/project work in contemporary areas for solving real world problems.

M Tech Civil Engineering

Eligibility: B Tech Civil Engineering with minimum marks 50%

Duration: 4 semesters

Basis of Admission: Through GATE/HPTU Entrance Test followed by Personal Interview

PhD Civil Engineering

Eligibility: Master's degree in Civil Engineering or any other related discipline with at least 60% marks

Duration: Minimum 6 semesters

Basis of Admission : Admission shall be made through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test

PhD Mechanical Engineering

Eligibility: Master's degree in Mechanical Engineering or any other related discipline with at least 60% marks

Duration: Minimum 6 semesters

Basis of Admission: Admission shall be made through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test.

School of Electrical & Computer Engineering

Faculty Members

Er CP Mahajan

Electronics & Electrical Engg (EEE); Professor of Eminence

Dr GS Viridi

PhD, Post-doc USA & Finland; Professor of Eminence

Dr Ram Prakash Dwivedi

PhD Information & Communication Engg, Post-Doc (South Korea); Professor

Er Surender Sharma

MCA, M Tech, PGDPM (HR), MBA; Associate Professor (CSE)

Dr Pankaj Vaidya

ME, BE; Associate Professor (EEE, CSE)

Dr Sanjay Kumar Upadhyay

PhD (IIT Bombay); NET; Assistant Professor (Bioinformatics); On study leave

Dr Varun Jaswal

PhD; Assistant Professor (Bioinformatics)

Er RK Saini

ME, MIE; Associate Professor (Electrical Engineering)

Er Gaurav Gupta

M Tech; Assistant Professor (IT)

Er Sunil Pathania

M Tech; Assistant Professor (ECE)

Er Sachin Sharma

M Tech; Assistant Professor (CSE) cum Chief Information Officer

Er Ashwani Sharma

M Tech (ECE); Assistant Professor

Er Vivek Kanwar

M Tech (ECE); Assistant Professor

Er Akshay Gupta

M Tech (ECE); Assistant Professor

Er Sakshi Anand

M Tech; Assistant Professor (ECE)

Er Vinay Kumar

M Tech; Assistant Professor (EEE)

Ms. Shagun Gupta

M Sc; Lecturer (System Biology & Bioinformatics)

Er Meenakshi Nayyer

M Tech; Assistant Professor (CSE)

Er Namita Gandotra,

M Tech; Assistant Professor (CSE)

Er Randhir Bhandari

M Tech; Assistant Professor (CSE)

Er Sanjay Bhardwaj

B Tech; Lecturer (ECE)

Er Lalita Sharma

B Tech; Lecturer (CSE)

Er Divya Sharma

M Tech; Teaching Assistant (ECE)

Er Ruchika Chandel

M Tech; Teaching Assistant (CSE)

Ms Neha Bharti

B Tech (ECE); Teaching Assistant

Academic Programmes

- B Tech Computer Science & Engineering
- B Tech Electronics & Communication Engineering
- B Tech Electrical Engineering
- M Tech Computer Science & Engineering
- M Tech Electronics & Communication Engineering
- PhD Electronics & Communication Engineering*
- PhD Computer Science & Engineering*

*No seats in 2016-2017



B Tech Computer Science & Engineering

Eligibility : 10+2 (PCM) with at least 55% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

B Tech in Computer Science & Engineering constitutes a balanced programme in which students study the engineering aspects of software and hardware as well as mathematical foundations of computation. With rapidly evolving technology and the continuous need for innovation, this course prepares students for employment in high technology industries that employ information and digital systems.

B Tech Electronics & Communication Engineering

Eligibility: 10+2 (PCM) with at least 55% marks; Lateral

Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.

Duration: 8 semesters

Basis of Admission: JEE/ HPCET or any equivalent entrance test recognised by HP Government

In recent years, electronics the world over has made unprecedented growth in terms of new technologies, new ideas and principles. The rate of obsolescence of technologies has also been extremely high.

Researchers, academicians, industries and the society at large have to work in unison to meet the challenges of this rapidly growing discipline. Research organizations and industries that work in this frontier area are in need of highly skilled and scientifically oriented manpower.

B Tech Electrical Engineering

Eligibility: 10+2 (PCM) with at least 55% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

Electrical engineering generally deals with the study and application of electricity, electronics, and electromagnetism. This field first became an identifiable occupation in the second half of the 19th century after commercialization of the electric telegraph, the telephone, and electric power distribution and use.

It now covers a wide range of subfields including electronics, digital computers, power engineering, telecommunications, control systems, Radio Frequency (RF) engineering, and signal processing. The need to generate more power, the role of electrical engineers has become very important in today's world.

M Tech Computer Science & Engineering

Eligibility: B Tech Computer Science & Engineering OR

M Sc Computer Science/ any other related subject; minimum marks 50%
Duration: 4 semesters
Basis of Admission: Through GATE/HPTU Entrance Test followed by Personal Interview

M Tech in Computer Science and Engineering program will educate you to become a highly qualified engineer capable of developing complex IT systems, consisting of hardware and/or software, using theoretically and technologically well-founded methods, tools and techniques. This shall prepare you for positions in private and public sectors and for doctoral research or setting up own ventures.

M Tech Electronics & Communication Engineering

Eligibility: B Tech Electronics & Communication Engineering OR M Sc in any related subject; minimum marks 50%
Duration: 4 semesters
Basis of Admission: Through GATE/ HPTU Entrance Test followed by Personal Interview.





Electronics equipment and products are now part of our daily life: From mobile phones to iPods, computers, televisions and satellites that provide you telecommunications. Every day electronic devices with new technological advancements are being launched in the world. These new developments are done by engineers who have pursued a research oriented master's degree in electronics and communication. There is bound to be huge demand for competent engineers in electronics and communication industry in view of emergence of new technologies.

PhD Electronics & Communication Engineering*

Eligibility: Master's degree in Computer Science & Engineering or any other related discipline with at least 60% marks

Duration: Minimum 6 semesters

Basis of Admission: Admission shall be made through Shoolini University Entrance Test (JRF/ NET/ SAT/ M Phil

qualified candidates are exempted from entrance test), followed by personal interview before the admission committee of the university.

* No seats in 2016-17

PhD Computer Science & Engineering*

Eligibility: Master's degree in Electronics & Communication Engineering or any other related discipline with at least 60% marks

Duration: Minimum 6 semesters
Basis of Admission: Admission shall be made through Shoolini University Entrance Test. (JRF/ NET/ SAT/ M Phil qualified candidates are exempted from entrance test), followed by personal interview before the admission committee of the of the university.

* No seats in 2016-17'



Performance during MOKSH 2015

Faculty of Management Sciences & Liberal Arts

Prof Atul Khosla
Dean, Faculty of Management
Sciences & Liberal Arts;
Pro VC & Executive Trustee



An eminent Senior Executive with an illustrious career in the corporate sector, Prof Atul has a proven track record of advising Indian and global clients in their strategic choices and building successful businesses in India. He is management consultant and Senior Advisor to Marsh and McLennan, world's largest professional services firm. Some of his clients are ICICI Group, HDFC Bank, Securities and Exchange Board of India (SEBI), National Stock Exchange of India (NSE), Citibank, Credit Suisse, Aditya Birla Group, Peerless, Blackstone and General Atlantic Partners amongst others.

With B Tech from IIT Kanpur and MBA from JBIMS Mumbai, Prof Atul has worked as a management consultant for over 17 years and served clients in North America, Europe, Asia, Australia and India. He has held senior positions with some of the world's leading consultants like Mc Kinsey and Company USA, Everest Group (world's leading outsourcing advisory), Towers Watson, Oliver Wyman and Financial Services at ac-connect ag, Switzerland.

Prof Atul was the founding project manager and helped conceptualise the Indian School of Business (ISB), Hyderabad. He is a guest speaker at several leading Indian and global business schools including INSEAD, IIM Ahmedabad, IIM Lucknow, IIM Bangalore, ISB, JBIMS, IITBombay and IIT Kanpur among others.

Handling illustrious client projects has seen Prof Atul work in the following areas: develop enterprise risk management and new strategy; make governance structure, performance measurement and rewards structures; outsourcing operations; company-wide cost reduction and product profitability; India entry strategy; company-wide cost

Faculty of Management Sciences & Liberal Arts

The Faculty of Management Sciences and Liberal Arts maintains high levels of academic excellence and innovation in management, provides quality education at an affordable price and constantly seeks ways of adding value to students. It is dedicated to a core expertise in global management education.

The School of Business Management of Shoolini University is an esteemed institution, which focuses on excellence in teaching, promoting lifelong-learning and preparing students for the challenges of tomorrow. It has been ranked amongst Top 20 best business schools in India along with Indian School of Business, Hyderabad; XLRI, Jamshedpur; MDI, Gurgaon; IMT, Gaziabad; Narsee Monjee Institute of Management Sciences, Mumbai; Symbiosis Institute of Management, Pune

and others by 'Dainik Bhaskar Survey' in 2014. In a separate accomplishment, the School has been adjudged the 'Best Private Upcoming Business School' by ASSOCHAM India in 2013, and rated A+++ and ranked 5th Best Business School under research and writing category in the country by Go-Education 2013.

We envisage building the School of Business Management into a Centre of Excellence for management education to meet the standards and aspirations of the corporate world. We aim at developing leaders by providing adequate interaction with leading subject matter experts and exposure to the industry. Under the guidance and leadership of Prof Atul Khosla, Dean and ably supported by a team of esteemed and experienced faculty, the Business School is progressing towards its goal to be a top centre of learning and research in Business Administration.

The Shoolini MBA programme prepares you for a successful management career by building core managerial expertise and personality development. Our road map is to deliver a unique global education to students, executives and global management community through 3Rs: Rigour, Relevance and Reliability.

Focus on Placement

- Active placement & career development cell, which frequently coordinates to give foothold to the students in the industry, higher education and entrepreneurship.
- School of Business Management conducts campus placements for its students. During placement week a large number of MNCs and leading companies visit the campus for on spot placements.
- Top placement for MBA batch with excellent pay packages in reputed companies, such as Genpact, ICICI, Marsh & McLennan, C-Step, Toyota, Airtel, Oberoi, Abacus Offshore from Seychelles, Religare, India Infoline and many more.

- Great summer placements for first year MBA students with handsome stipends.

Best in class & Quality Education

- Leading professionals as mentors from industry and corporate sector to our students are the hallmark of Shoolini University.
- Educational tours where students get an opportunity to interact with industries and institutes.
- Extensive use of modern teaching methodologies, online interaction with teachers and online lectures.
- Wi-Fi Campus, high speed internet facility, resourceful library, intellectual atmosphere and with audio video aids.

Emphasis on Knowledge, Skills and Creative Abilities of students through 'Add-on Modules'

Industry Module

- The unique Module for Self Improvement through'

meditation and yogic sciences is offered to MBA students for building self-confidence and facing challenges in the corporate world.

Personality Development Modules

- The Communication Effectiveness Module offers best in class techniques on communications skills for interviews and managerial effectiveness.
- Students' Management Club 'The Invincible' for overall development of students.
- Modules developed by leading professional managers are offered on key industry sectors such as banking and financial services with a view to increase the exposure and employability of management students.

Up Skilling through 'Sprint MBA'

Shoolini University's 'Sprint MBA' is inspired by Stanford's mini-MBA programme - designed significantly to upgrade skills and capabilities

of Shoolini's full time MBA students. Led by top corporate and industry leaders, 'Sprint MBA' involves exhaustive subject matter sessions on key management topics including business processes, finance, marketing, HR, operations, law and case study based highly interactive approach.

MBA in partnership with GENPACT

GENPACT, the industry and thought leader in business process and knowledge, has partnered with Shoolini University to introduce elite Business Process & Operation courses in MBA programme. The objective of the partnership is to combine the expertise, experience and capabilities of both Genpact and Shoolini University to develop and impart a specialized MBA Programme to create an immediately employable pool of managers for Genpact and similar organizations.

Current Areas of Research

- Human Resource Management
- Social Gerontology
- Organizational Behaviour
- Networks
- Economic Development
- Agricultural/Rural Economics
- Consumer Behaviour
- Finance and Banking
- Marketing
- Environment

Governance Support to MBA Programme

Majority of the members of governing body and other councils of the University are distinguished professionals, business executives and entrepreneurs, who are the source of guidance and inspiration for the execution of business school programmes and placement of students.

Mr Ramesh K Mehan
BE, MSIE (Kansas State University, USA), MBA (University of Dayton, USA); Managing Director of Five Ohio Based Companies

Mr Raj Khosla
B Tech (IIT Bombay), MBA; Director Kaefer Insulteo Ltd, Thailand

Mr Sudhir Shukla
MBA; Former Senior Vice President, Yamaha India

Mr Ashish Khosla
BE, MBA (IIM Calcutta); Senior Vice President, UNB, Abu-Dhabi; Formerly Senior Executive Positions in Citibank, HSBC, Marico

Mrs Ashoo Khosla
MBBS (Gold Medalist), MBA (ISB Hyderabad); Head Marketing MNC Trading, Abu-Dhabi

Mr Vishal Anand
MBA, Microsoft Certified Professional; Managing Partner, Anand Enterprises, Solan

Mrs Nishtha Anand
BA (Hons) English, MA English, PG Diploma in Journalism; Chief Editor, Penpundit.com and Techthirsty.com





Guest Faculty & Mentors

Frequent visits by expert guest faculty lend exposure to students, opening up a multitude of avenues for them to know more about the latest management practices. We have a score of national and international corporate leaders as mentors visiting our university to provide intellectual inputs.

Aarti Nihalani

B Tech (UDCT, Mumbai), MBA (IIM Ahmedabad), Manager at Oliver Wyman

Anish Tawakley

B Tech (IIT Delhi), MBA (IIM Bangalore). Sr Director, Research at Credit Suisse. Previously senior positions with Bernstein, McKinsey & Co

Anurag Chaudhary

M Sc (Delhi University), MBA (Jamnalal Bajaj), Managing Director Citibank, London. Previously with ANZ Grindlays Bank

Arjun Singh

B Tech (IIT Bombay), MBA (IIM Calcutta) Managing Director Hewitt Associates. Previously

executive positions with WNS, ABN AMRO Bank, GE

Avijit Bhattacharya

B Tech (IIT Kanpur), MBA (IIM Bangalore). CEO at Tata Securities; Previously executive position at other Tata Group Companies

David Bergeron

PhD (University of Pennsylvania, USA). Principal, Oliver Wyman, Pennsylvania; Principal, Oliver Wyman

Gaurav Mehta

Senior Manager Roland Berger. Previously with Morgan Stanley, UBS

Hansi Mehrotra

CFA, MBA (Wharton), Head of wealth management, Asia Pacific at Mercer Investment Consulting

Jaijit Bhattacharya

B Tech (IIT Kanpur), MBA (IIM Calcutta), PhD (IIT Delhi). Country Director Sun Microsystem; visiting faculty INSEAD. Previously senior position with Oracle, Accenture

Justice N K Sodhi

Former Chief Justice Court of Karnataka, Chairman Special Appellate Tribunal (SAT)

Jatinder Arora

DGM Bharti Airtel. Senior Professional with 17 years experience in telecom sector

Kamlesh Vyas

Director First India School of Business. PhD HRM and Social Media. Worked as CEO ACME, GM MKRH, Senior Consultant at Watson Wyatt, Ernst & Young etc. More than 15 Years of experience in corporate world

Munish Sapra

Ex MD Scotia Bank, Formerly with Citi Bank

Nidhi Uppal

Senior Manager, Development Bank of Singapore

Nitin Aggarwal

B Tech (IIT Delhi), MBA (IIM Calcutta). Head, India Knowledge Management at ZS Associates. Previously senior position at McKinsey & Company, Hay Group, Pipal Research

Peter Dale

MBA (London Business School). Advisor, Credit Suisse, Zurich. Previously senior position at Kearney

Pratik Ved

MBA (IIM Ahmedabad). Manager Unilever India

Ritwik Ghosh

B Tech (Jadhavpur University), MBA (IIM Calcutta). Senior Manager Oliver Wyman. Previously senior position at Capital One, USA

Sanil Chawla

GM Tatasky

Sanjay Kedia

MBA (SP Jain). Country Head and CEO, Marsh India. Previously senior position at IDBI Bank

Vineet Anurag

MD Bank of America Merrill Lynch, MBA Finance Indian Institute of Management, Calcutta

Facilities

- IT Centre
- e-Lab
- Language Lab
- Audio-Visual Room
- Mediation Hall
- Tutorial Rooms
- Conference Rooms
- Seminar Halls
- Video-conferencing
- Online Lectures

Career Paths

- Executives / Managers (Private & Public Sectors)
- Public Relations
- Management Consultancy
- Marketing Research Analysts
- Financial Analysts
- Investment Banking/ Insurance Associates
- Retail Management
- Media Management
- Product & Brand Manager
- HR Corporate Trainer/ HR Manager
- Entrepreneurship
- e-Business
- Academics (Teaching & Research)

Faculty Members

Prof Atul Khosla

B Tech (IIT Kanpur), MBA (Jamna Lal Bajaj), Senior Partner & Country Head Oliver Wyman, Previous Senior Management Positions: a-connect Switzerland, Mckinsey & Company India, Everest Group USA; Professor & Dean; Pro Vice Chancellor and Executive Trustee

Professor Ashley Braganza

PhD; Adjunct Professor; Professor of Organisational Transformation, Brunel Business School, London

Dr Y.S.Negi

Ph D, University of Berkeley; Professor

Mr Narinder Verma

PGDM (IIMC); PGDAC; B Tech (IIT); Professor-cum- Director Special Project

Dr Kuldeep Rojhe

PhD; MBA (SLET); Associate Professor (Marketing, IT, Mass Communication)

Ms Poonam Nanda

MA (English); Director (SPRINT & Skills Development)

Dr (Ms) Kesari Singh
PhD, NET; Associate Professor
(Economics)

Dr Dipankar Sharma
Ph D; Associate Professor

Mr Devesh Kumar
MBE, MCA, B Sc; Associate
Professor

Mr Abhinav Sheoran
M Sc, NET, MBA; Associate
Professor (Biotechnology)
-On Leave

Ms Andrea Wright
MA (Development Studies);
Brown University, USA; Assistant
Professor (Adjunct Faculty)

Mr Nitin Gupta
MBA, PGDPM & LW; Assistant
Professor

Mr Kamalkant Vashisth
MBA, NET; Assistant Professor

Ms Varsha Patil
Company Secretary, B Com;
Assistant Professor

Ms Pooja Verma
MBA (HR); Assistant Professor

Mr Vikrant Chauhan
M P Ed, SET; Assistant
Professor

Mr Amar Rao
MBA; Assistant Professor

Mr Chander Mohan Gupta
MBA, M Com; Assistant
Professor

Mr Shard
MS IT (Application
Development); Assistant
Professor

Ms Gayatri Kanwar
M Phil; English; Assistant
Professor (Communication
Skills Development)

Ms Prachi Kapil
MBA; Assistant Professor

Ms Neha Banyal
MBA; Assistant Professor

Academic Programmes

- BA (Hons) Economics
- BA (Hons) English
- BA Journalism & Mass Communication
- BBA
- B Com (Hons)
- B Design
- MBA
 - Finance
 - Biotechnology
 - Executive (Regular)
 - Pharma & Healthcare
- PhD Management (Business Management/ Environment Management)
- PhD Economics*

* No seats in 2016-17

BA (Hons) Economics

Eligibility: 10+2 (Any stream) with at least 55% marks
Duration: 6 semesters
Basis of Admission: By merit of qualifying examination

Economists are involved in the most fundamental decisions in the areas of planning and finance. Their skills are needed in all sectors of industry as well as by international non- and quasi- governmental agencies.

This course will give you the vital core technical and analytical skills to enable you to embark on a successful career in economics.

BA (Hons) English

Eligibility: 10+2 (Any stream) with English as one of the subject; minimum marks 55%.
Duration: 6 semesters
Basis of Admission: By merit of qualifying examination

The BA (Hons) degree in English will provide you with the skills and knowledge that are required for grasping English language and appreciate literature. The programme would equip you with a wide range of transferable skills needed for a rewarding career in the fields of education, communications, publishing, editing, and content and creative writing.

BA Journalism and Mass Communication

Eligibility: 10+2 (Any stream) with at least 55% marks
Duration: 6 semesters
Basis of Admission: By merit of qualifying examination

It is a three year undergraduate course which equips students with the skills needed for careers in reporting, journalism, advertising, news analysis and public relations. The main focus of the course is on developing practical knowhow of the underlying principles of media industry and lay a strong foundation for understanding news media practices across different media. The course will also promote knowledge of news media and their role in society.

BBA

Eligibility: 10+2 (Any stream) with at least 60% marks
Duration: 6 semesters
Basis of Admission: Through Entrance Test of Shoolini University

The BBA degree programme aims at developing professionals in business administration with a focus on specialization at the undergraduate level. During your 3 years in the programme, you will gain much more than an outstanding and integrated business education. You will

also acquire the critical leadership, team, and communications skills that today's employers are looking for.

B Com (Hons)

Eligibility: 10+2 (Any stream) with at least 55% marks
Duration: 6 semesters
Basis of Admission: By merit of qualifying examination

The B Com (Hons) equips students with the requisite knowledge and competence in business and commerce. During your 3 years in the programme, you will gain much more than an outstanding and integrated business education. You will also acquire the critical leadership, team, and communications skills that today's employers are looking for.

B Design

Eligibility: 10+2 (Any stream) with at least 55% marks.
Duration: 8 semesters
Basis of Admission: By merit of qualifying examination

A Bachelor of Design degree gives students the flexibility to work in multi – disciplinary environments. The course teaches you to address contemporary issues in an independent and creative way. The programme aims at creating professionals who can contribute to the highly dynamic and competitive world of design.

MBA

(Specialisation: Marketing/ Finance/HR/Retailing) with an Add-on Certificate Course on Business Process Management

Eligibility: Bachelor's Degree (Any discipline) with at least 50% marks.
Duration: 4 semesters
Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level Management Aptitude Test, followed by group discussion and personal interview at School of Business Management, Shoolini University.

The MBA programme at Shoolini University prepares

you for a successful management career by building core managerial expertise and personality developed by leading professional managers are offered on key industry sectors such as banking and financial services with a view to increase exposure and employability of management students. Our business school's unique mentorship programme aims at providing practice inputs and support to our MBA students and faculty. A score of national and international corporate leaders have pledged support to Shoolini University for this unique programme.

MBA Finance

Eligibility: Bachelor's Degree (Any discipline) with at least 50% marks.
Duration: 4 semesters
Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level Management Aptitude Test, followed by group discussion and personal interview at School of Business Management, Shoolini University.

The MBA Finance programme focuses on developing specialised human resource and leaders for the upcoming banking and finance sector. It will acquaint the students with the latest concepts in banking, investments, asset and wealth management, etc.

MBA Executive
Eligibility: Bachelor's Degree (Any discipline) with at least 50% marks & minimum of 2 years work experience
Duration: 4 semesters

Executive MBA from Shoolini is specially designed for executives with experience who want to acquire a professional education for excellence in their career. This two years full time program offers a wide scope of learning from top corporate experts with an industry driven and well researched curriculum. Over and above the basic concepts, Shoolini executive MBA offers

additional advantage of innovative pedagogic interface with a focus on development of essential managerial skills. The aim of the program is also to provide an opportunity to enhance peer networking and value added collaborative learning through group work and insightful core and elective modules.

MBA Biotechnology*

(With an Add-on Certificate Course on Business Process Management)

Eligibility: Bachelor's Degree in Science/ Engineering/ Technology with at least 50% marks

Duration: 4 semesters

Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level Management Aptitude Test, followed by group discussion and personal interview at School of Business Management, Shoolini University.

Industrial Training/ Project Work: Project Study/ industrial training in the last semester.

*Jointly with Faculty of Biotechnology

The MBA Biotechnology program is specially designed for students with a science or technical background who want to improve their competencies in general management, finance and business administration. The key to a career in biotechnology is to appreciate the unique challenges faced by biotechnological, pharmaceutical, food and biobased companies.

Managers in biotech and related companies/ industries are to be competent in biotech processes as well in management practices.

The MBA Biotechnology at Shoolini University School of Business Management is unique as the top country heads and highly qualified biotech scientists teach the students. This helps them in getting lucrative managerial

jobs because they are well exposed to the needs of the corporate sector and have sound technical knowledge to meet the needs of highly specialized biotech and pharmaceutical industries.

MBA Pharma & Healthcare*

Eligibility: A Bachelor's degree in Biological/ Pharmaceutical/Veterinary/ Medical Sciences or Bachelor Degree in Biotechnology/ Bioinformatics with at least 50% marks

Duration: 4 semesters

Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level Management Aptitude Test, followed by group discussion and personal interview at School of Business Management, Shoolini University.

*Jointly with Faculty of Pharmaceutical Sciences

The objective of MBA Pharma and Healthcare programme is to develop students for top positions in the pharmaceutical and healthcare industry.

Through rigorous field work and academics, students are sensitized to the latest aspects in pharmaceutical and healthcare industry. The industry-driven curriculum is developed to keep in pace with the dynamics of the business environment and to equip the students with knowledge, skills and abilities that can prepare them to tackle the challenges of the future.

Shoolini MBA Pharma and Healthcare is unique programme where top experts from the corporate and industry regularly interact with our students and help them in application of business concepts for organizational effectiveness. The atmosphere of a leading business school with outstanding faculty from management, pharmaceutical and biotechnology makes your education a most rewarding learning experience.

PhD Management (Business Management / Environment Management)

Eligibility: Master's degree in Business Management /Environment Management or

any related discipline with at least 60% marks.

Duration: Minimum 6 semesters

Basis of Admission: Admissions shall be made through Shoolini University Entrance Test (JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test), followed by personal interview before the admission committee of the university.

The PhD Business Management/Environment Management course is a research programme where a student needs to undergo course work for one semester and research work for the five semesters. Subjects in the course include Research Methodology, Special Paper Business Management/ Environment Management and thesis based on the research work assigned to a student.

PhD Economics*

Eligibility: Master's degree in Economics with at least 60% marks.

Duration: Minimum 6 semesters



Basis of Admission: Admissions shall be made through Shoolini University Entrance Test (JRF/NET/SAT/M Phil-qualified candidates are exempted from entrance test), followed by personal interview before the admission committee of the university.

*No seats in 2016-17

- 25% seats are reserved for Himachali domicile candidates
- Minimum eligibility marks relaxable for SC/ST/backward classes and others as per the rules of Himachal Pradesh Government
- Roaster for admissions as per HP Govt rules



Basketball practice underway at the centrally located courts with the Knowledge Centre forming the backdrop

Faculty of Pharmaceutical Sciences

Prof Neeraj Mahindroo
Dean, Faculty of
Pharmaceutical
Sciences



A former postdoctoral research associate of Department of Chemical Biology and Therapeutics, St Jude Children's Research Hospital, Memphis, USA and division of Biotechnology and Pharmaceutical Research, NHRI, Taipei, Taiwan, Prof Mahindroo's research interests include design and synthesis of small drug like molecules; lead optimization for activity, selectivity and drug like properties; exploration of natural products for medicinal activity; chemical biology for drug target identification. He is interested in drug discovery for cancer, neurological and infectious diseases. He has experience of working in a multidisciplinary environment in a drug discovery groups and coordinating medicinal chemistry projects.

Prof Mahindroo introduced several new initiatives for improving the quality of education and professional development of students. He is actively engaged in revision of curriculum and syllabus to meet current industry and academia requirements and improve employability of students. As Dean, Research & Development, he is involved in research team build-up for core areas selected by the University. He is playing leading role in designing the research strategy and management of research projects in the University.

Faculty of Pharmaceutical Sciences

School of Pharmaceutical Sciences

School of Pharmaceutical Sciences is Ranked 19th among Top Pharmacy Colleges in India by the Ministry of Human Resource Development, GOI.

The School of Pharmaceutical Sciences, in tune with the University vision and mission, aims to impart quality education in Pharmaceutical Sciences and to pursue research in areas relevant to the region and country. The School of Pharmaceutical Sciences is approved by AICTE and PCI. The curriculum has been designed in consultation with experts from industry and academia in order to train students and researchers with knowledge and skills that meet the contemporary requirements of industry and academia. The soft skills development program, SPRINT, focuses on personality,

communication skills and liberal arts thus helping the student to prepare for the rigour of professional life.

The School of Pharmaceutical Sciences has enterprising and well trained faculty in various disciplines. The faculty with doctoral and postdoctoral training from various national and international labs are focusing their research on areas important to this region and utilization of the Himalayan biodiversity for finding cures for unmet medical needs of the region. The School has several extramurally funded projects, thus providing students opportunity to work on research problems relevant to the region. The School also has MOUs with various industries and academic labs and is working on projects sponsored by industry in time bound manner. The vision of the School is to provide industry relevant training to the students in an environment which would train them to the rigour of the



University while being in intellectually stimulating environment.

The School has started several new initiatives which would make students stand out once they graduate from the University. The invited lectures from experts from Industry and Academia are organized regularly to make students aware of current trends in industry and research. Various national level workshops and conferences have been organized at the School. Industrial and Research lab visits at world class facilities are arranged to inculcate in students a sense of competition and an urge to be at best place.

Current Areas of Research

- Sustainable utilization of Himalayan biodiversity
- Biological potential of natural products for treating human diseases & disorders
- Formulation & development of pharmaceutical preparations
- Drug Delivery Systems
- Drug Discovery and QSAR Modeling

Linkages with International Academia and Multinational Pharmaceutical Industries

The School of Pharmaceutical Sciences has quadripartite alliance with the Pharmacy and Poisons Board (PPB) of the Government of Kenya, Tirupati Medicare Ltd and Kumaun University for joint research. The School has tied up with Bukovinian State Medical University, Ukraine for students' exchange and collaborative research.

It has also developed alliances with well established concerns like, Venus Remedies Ltd, Zydus Cadila Healthcare Ltd, Fresenius Kabi Oncology Ltd, Alkem Labs, Alembic Ltd, Meridian Ltd, Ozone Ltd Macleods Pharma, Tripuati Medicare Ltd and US Vitamin Ltd for student training and research projects.

Academic & Research Scholarships

The School of Pharmaceutical Sciences is recognised for the award of AICTE-GPAT scholarships for the M Pharmacy Programme

Career Paths

- Drug Production
- Quality Control
- Quality Assurance
- Regulatory Affairs
- Community Pharmacy
- Drug Modeling /Designing
- Retail Pharmacy
- Marketing
- Pharmacovigilance
- Academics: Teaching/Research
- Pharmaceutical Industry

Faculty Members

Prof Neeraj Mahindroo
PhD, Post-Doc, St Jude Children's Research Hospital, USA; Professor & Dean

Dr Rohit Goyal
PhD (Neuropharmacology); Associate Professor

Dr Deepak Nandkishore Kapoor
PhD (Pharmaceutics); Associate Professor

Dr Md Afroze Alam
PhD; Assistant Professor (Pharmaceutical Chemistry)

Dr Sameer Sapra
PhD (Pharmaceutical Chemistry); Associate Professor

Dr Raman Preet Singh
PhD Pharmacology; Associate Professor

Dr Poonam Negi
PhD (Pharmaceutics); Assistant Professor

Dr Vikas Sharma
M Pharmacy; Assistant Professor (Pharmacognosy)

Ms Shaila Khah
M Pharmacy; Assistant Professor (Pharmacology)

Mr Navneet Kumar
M Pharmacy; Assistant Professor (Quality Assurance)

Ms Swati Pundir
M Pharmacy (Pharmacognosy); Assistant Professor

Mr Gaurav Sharma
M Pharmacy (Pharmacology); Assistant Professor

Ms Tanurajvir Kaur
M Pharmacy (Pharmaceutics); Assistant Professor



Ms Hemlata Kaurav
M Pharmacy (Pharmaceutics);
Assistant Professor

Mr Aditya Shiven
M Pharmacy; Assistant Professor

Ms Devika Rana
M Pharmacy; Assistant Professor

Ms Nidhi Thakur
M Pharmacy; Assistant Professor

Ms Aditi Sharma
M Pharmacy; Assistant Professor

Ms Ankita
M Pharmacy Pharmacognosy;
Assistant Professor

Adjunct/ Visiting Faculty

Dr Koushik Das Sarma
PhD, Post Doc from USA;
Adjunct Professor

Dr Amarjeet Singh
PhD (Pharmaceutical
Chemistry); Adjunct Professor

Dr Paras Prakash
PhD, MBA; Adjunct Professor

Dr Kamal Dua
PhD; Visiting Faculty

Mr Sumit Gupta
B Tech, MBA, MS (IT);
Visiting Faculty

Academic Programmes

- B Pharmacy
- M Pharmacy
- Pharmaceutics
- Pharmacology
- Pharmaceutical Chemistry
- MBA Pharma & Healthcare
- PhD Pharmaceutical Sciences

B Pharmacy

Eligibility: 10+2 (PCB/PCM) with at least 50% marks; Lateral Entry to 3rd Semester for Diploma in Pharmacy qualified candidates with minimum of 50% marks
Duration: 8 semesters
Basis of Admission: Merit of HPTU Entrance Test or any other equivalent test

Bachelor of Pharmacy is the basic prerequisite for registration to practice as a pharmacist in India.

B Pharmacy programme has a duration of 8 semesters and the objective of the curriculum is to impart quality education with skilled practical efficiency pertaining to the Pharmaceutical Sciences and to provide standard pharmaceutical services ethics to hospital and community pharmacies, drug manufacturing industries, marketing, national/regional health bureaus, teaching and research institutes, drug administration, quality control/quality assurance and as per aspirations of the pharmaceutical industries. The curriculum also includes an industrial training in a pharmaceutical company.

M Pharmacy (Pharmaceutics/ Pharmacology/ Pharmaceutical Chemistry)

Eligibility: B Pharmacy with at least 55% marks
Duration: 4 semesters
Basis of Admission: Through HPTU Entrance Test followed by Personal Interview

M Pharmacy Pharmaceutics

The students are given extensive theoretical and practical knowledge about the various aspects of preformulation studies of drugs having different physicochemical properties, development and In-vitro evaluation of different conventional and advanced drug delivery systems like tablets, capsules, gels, ointments, neosomes, liposomes etc. along with their packaging, stability studies according to the guidelines. Exposure of students to the sophisticated analytical techniques like UV, IR, HPLC, NMR, Mass spectrometry scopy is an integral part of the curriculum. Second year is dedicated to a project work of industrial and commercial applicability.

M Pharmacy Pharmacology

The first 2 semesters are dedicated to theoretical concepts of the pharmacological interventions, molecular targets underlying various body diseases, advanced experimental techniques:

recombinant DNA technology, stem cell biology, gel electrophoresis, bioinformatics etc, statistical interpretations and protocols for evaluation of various medicinal agents against disorders like diabetes, obesity, asthma, cancer, pain, inflammation, arthritis, GIT, CVS, CNS and skin disorders to make the students knowledgeable, skilled and competent for their future endeavors. During the last 2 semesters of the programme, the students are encouraged to carry out novel pharmacological researches for M Pharmacy thesis and to get it publish or patent.

M Pharmacy Pharmaceutical Chemistry

The course M Pharmacy in Pharmaceutical Chemistry comprises of 4 semester's. First two semesters are dedicated to thorough exposure of theoretical concepts pertaining to medicinal, organic and plant chemistry along with their pharmacological actions and practical exposure of various lab scale hazardous and non hazardous reactions. Last two semesters comprise wet lab practices such as preparation of

extracts, isolation of constituents, their modifications and pharmacological actions, and strong practical exposure of organic reactions such as cyclizations, preparation of heterocyclic compounds and their SAR studies. Handling of various sophisticated instrumentations such as HPLC, FT-IR, UV, GC. Giving training to students for characterization of various natural as well as synthetic compounds using ¹H and ¹³C NMR.

- 25% seats are reserved for Himachali domicile candidates
- Minimum eligibility marks relaxable for SC/ ST/backward classes and others as per the rules of Himachal Pradesh Government
- Roaster for admissions as per HP Govt rules



MBA Pharma & Healthcare

(Jointly with Faculty of Management Sciences and Liberal Arts)

Eligibility: A Bachelor's degree in Biological/ Pharmaceutical/ Veterinary/ Medical Sciences or Bachelor Degree in Biotechnology/ Bioinformatics with at least 50% marks

Duration: 4 semesters

Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level

Management Aptitude Test, followed by group discussion and personal interview at School of Business Management, Shoolini University.

personal interview before the admission committee of the university.

The first and second semesters are comprised with course work and topic & synopsis approval respectively. The programme promotes an interdisciplinary approach to scientific research and education in the core disciplines of Pharmacy like Pharmaceutics, Pharmacology, Pharmaceutical Chemistry and Pharmacognosy.



Faculties

Faculty of Basic Sciences

PhD Pharmaceutical Sciences

Eligibility: Master's degree in Pharmacy with at least 60% marks

Duration: Minimum 6 semesters

Basis of Admission: Admission shall be made through Shoolini University Entrance Test GPAT, GATE qualified candidates are exempted from entrance test), followed by

Prof Deepak Pathania
Professor & Dean,
Faculty of
Basic Sciences



Prof Pathania brings with him over 16 years of experience as an educationalist and researcher in the field of organic and analytical chemistry. The major thrust of his research at Shoolini is aimed at nanoparticles and nanocomposites. He has also worked in the field of ion exchange, polymer grafting, and environmental chemistry.

Prof Pathania has international research collaboration on nanotechnology and water sustainability with College of Engineering, Science and Technology, University of South Africa, and on composite ion exchange with Jubail University College, Jubail University, Saudi Arabia. He has also supervised UGC funded research projects, and published over 100 research papers in reputed national and international journals. He and his team have filed six patents. Author of several books, Dr Pathania has served as the Editor-in-Chief of an international journal and reviewer of many international journals. Apart from organizing several workshops and conferences he has also delivered several talks at such events. He is the current President of Himachal Pradesh Science Congress Association.

Faculty of Basic Sciences

The Faculty of Basic Sciences is dynamic and progressive in its development of new programme initiatives. It is also committed to providing quality instruction to students. The faculty is well placed to contribute substantially to the goal of Shoolini University becoming a research-led organisation. The teaching is by way of interactive sessions between students and teachers. Our programmes ensure a coherent degree structure while encouraging interdisciplinary approach.

The faculty members keep themselves abreast with new findings through regular academic activities such as seminars, workshops and conferences. They have also developed liaisons with research institutions of repute in India and abroad. Their research activities are well-funded through extra-mural research funding from government agencies such as DRDO, DST, etc.

Our research-led teaching paves the way for entry into different careers since it equips students with advanced transferable skills in information gathering, analysis and presentation, which are vital tools in the field of science.

Career Paths

- Chemical Engineering
- Forensic Science
- Space Research
- Metallurgy
- Meteorology
- Pollution Control
- Biotech & Genetics
- Fisheries & Oceanography
- Aquatic & Forest Biology
- Wildlife, Environment Conservation & Eco Restoration
- Defence Organisations (Technical & Logistics Cadres)
- Plastics, Paper, Textile, Sugar, Pharmaceutical & Telecom Industries
- Academics (Teaching/ Research/ Training)/ Research Scientists (New Discoveries/ Hypotheses)

School of Biological & Environmental Sciences

Faculty Members

Prof PK Khosla

PhD, Post-doc (Oxford University); Professor cum Vice Chancellor; Former Vice Chancellor, HPAU, Palampur (HP)

Prof Sunil Puri

PhD, Post-doc (Oxford University); Former Director Higher Education, Indira Gandhi Agricultural University, Raipur; Professor (Plant Physiology)

Dr JM Julka

PhD; Former Joint Director & Emeritus Scientist, ZSI; Professor of Eminence (Environment Biology, Zoology)

Dr Arundeep Ahluwalia

PhD; Professor of Eminence

Prof GK Sharma

PhD Forestry; Professor Emeritus

Dr Jagdeep Verma

PhD; Associate Professor (Botany)

Dr Aniruddha Mitra

PhD IISC; Post Doc, College of Life Sciences, Berlin & Washington University;

Dr Sujata

PhD, Assistant Professor (Botany)

Dr Mamta Sharma

PhD; Assistant Professor (Plant Physiology, Biodiversity)

Dr Amita Kumari

PhD; Assistant Professor (Plant Biotechnology)

Mrs Rachna Verma

M Phil; Assistant Professor (Botany)

Dr Shreya Jamwal

PhD PAU; Assistant Professor

Ms Shailja

M Phil; Assistant Professor

Ms Sharanjeet Kaur Kahlon

M Sc; Assistant Professor

Mr. Suresh Kumar

M Sc. (IT), PGDCA, One Year Hort. Management; Landscaping Officer

Academic Programmes

- B Sc (Hons) Botany
 - B Sc (Hons) Zoology
 - Integrated B Sc (Hons) - M Sc (Elite)
 - M Sc Botany
 - M Sc Environmental Sci.
 - M Sc Zoology
 - M Phil Botany
 - M Phil Zoology*
 - M Phil Environment Sci.*
 - PhD Botany
 - PhD Zoology*
 - PhD Environment Sci.*
- *No seats offered in 2016-17





B Sc (Hons) Botany

Eligibility: 10 + 2 (PCB) with minimum 55% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

B Sc (Hons) Zoology

Eligibility: 10 + 2 (PCB) with minimum 55% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

Integrated B Sc (Hons) – M Sc (Elite)*

(Specialisation: Physics/ Chemistry/ Mathematics/ Botany/ Zoology)

Eligibility: 10 + 2 (PCM/ PCB)

I. Scholarship Seats: Students who happen to be among top one percent in Class XII examination with cut-off marks percentage as given in DST Website

www.inspire.dst.gov.in for SHE scholarships.

II. Non-Scholarship Seats: Minimum Marks 85%

Duration: 10 semesters

Basis of Admission: By merit of qualifying examination

* Elite FREE EDUCATION programme with provision of liberal scholarships under INSPIRE Scheme of Department of Science & Technology, Govt. of India. It shall be supported by limited financial assistance of Rs. 25,000 from Shoolini University to each top 10 INSPIRE scholarship holders towards hostel charges. Similarly, they shall be supported for PhD.

M Sc Botany

Eligibility: B Sc with botany as one of the subject; minimum marks 50%

Duration: 4 semesters

Basis of Admission: Through Shoolini University entrance test (Online facility available)

The objective is to build a strong background in plant biodiversity, ecology, and physiology, cell and molecular biology, cytogenetics, biochemistry, biotechnology, reproductive biology, morphogenesis and anatomy, metabolism of biomolecules and immunology, fungi and microbes. The programme includes research orientation from the first semester. It is also a foundation for entry into PhD programme.

MSc Environmental Sciences

Eligibility: B Sc with Environmental Sciences/ Chemistry/ Botany/ Zoology/ Microbiology/ Geology/ Geography/ Life Sciences/ Fisheries Science/ B.E.(Civil Engineering)/ Environmental Engineering/ Environmental Engineering/ Agriculture/ Physics/ Biotechnology with at least 50% marks.

Duration: 4 semesters

Basis of Admission: Through Shoolini University entrance test (Online facility available)

M Sc Zoology

Eligibility: B Sc with zoology as one of the subject; minimum marks 50%

Duration: 4 semesters

Basis of Admission: By merit of qualifying examination.

The objective is to build a strong background in faunal biodiversity, ecology, physiology, cell and molecular biology, cytogenetics, biochemistry, biotechnology, applied zoology, reproductive biology, morphogenesis and anatomy, microbes and immunology. The programme

includes research orientation from the first semester. It is also a foundation for entry into M Phil or PhD. Curriculum is oriented towards comprehensive learning for success in National Eligibility Test (NET) along with regular practice tests for continuous development of students.

M Phil Botany/ Zoology*/ Environment Science*

Eligibility: M Sc in concerned or related subject; minimum marks 60%.

Duration: 2 semesters

Basis of Admission: Through Entrance Test conducted by Shoolini University followed by personal interview

*No seats offered in 2016-17

PhD Botany/ Zoology*/ Environment Science*

Eligibility: M Sc in concerned or related subject; minimum marks 60%.

Duration: 6 semesters

Basis of Admission: Through Shoolini University Entrance Test followed by personal interview before the

admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test.

*No seats offered in 2016-17

School of Chemistry

Faculty Members

Prof P.S. Kalsi
Ph D (Organic Chemistry);
Professor of Eminence

Dr Deepak Pathania
PhD; Professor & Dean
(Organic Chemistry)

Dr Kalpana Chauhan
PhD; Associate Professor
(Organic Chemistry)

Dr Pradeep Singh
PhD; Assistant Professor
(Organic Chemistry)

Dr (Mrs) Pankaj Raizada
PhD; Assistant Professor
(Inorganic Chemistry)

Dr Neeraj Gupta
PhD; Post-Doc; Assistant
Professor

Dr Amit Kumar
PhD; Assistant Professor
(Physical Chemistry)

Dr Gaurav Sharma
PhD, Assistant Professor
(Organic Chemistry)

Dr. Pankaj Thakur
Ph.D (Physical Chemistry);
Assistant Professor

Dr. Deepika Jamwal
Ph.D; Assistant Professor
(Inorganic Chemistry)

Ms. Priyanka Kapila
M Sc (Pharmaceutical
Chemistry); Teaching Assistant



Academic Programmes

- B Sc (Hons) Chemistry
- M Sc Chemistry
- M Sc Pharmaceutical Chemistry
- M Phil Chemistry
- PhD Chemistry

B Sc (Hons) Chemistry

Eligibility: 10+2 (PCB/ PCM) with 55% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination
M Sc Chemistry B Sc (Hons) Chemistry

M Sc Chemistry

Eligibility: B Sc with Chemistry as one of the subject: minimum 50% marks

Duration: 4 semesters

Basis of Admission: Through Shoolini University entrance test (Online facility available)

The science of chemistry is set to play a pivotal role as we look for solutions to the current water and climate crisis. The M Sc programme in chemistry has been designed

to equip students with the latest knowledge and skills that will enable them to provide solutions to the problems that face this earth. The objective is to build a strong background in nuclear chemistry, spectroscopy, photochemistry, adsorption & electrochemistry, supra-molecular chemistry, medicinal chemistry, metal ligand bonding & magneto chemistry, organic reaction mechanism and pericyclic reactions, thermodynamics and electrochemistry. It is also a foundation for entry into M Phil or PhD. Curriculum is also oriented towards comprehensive learning for success in National Eligibility Test (NET) along with regular practice tests for continuous development of students.

M Sc Pharmaceutical Chemistry

Eligibility: B Sc with chemistry as one of the subject OR B Pharmacy; minimum marks 50%

Duration: 4 semesters

Basis of Admission: By merit of qualifying examination
The course M Sc in Pharmaceutical Chemistry provides in-depth knowledge

that enables the students to work more effectively with in pharmaceutical industry. The curriculum has been designed to inculcate relevant advanced skills that are essential in the areas of drug discovery, drug design and development of high quality pharmaceutical products. The M Sc in Pharmaceutical Chemistry is also a springboard to research based career.

M Phil Chemistry

Eligibility: M Sc in concerned or related subject; minimum marks 60%.

Duration: 2 semester

Basis of Admission: Through Entrance Test conducted by Shoolini University followed by personal interview

PhD Chemistry

Eligibility: M Sc in concerned or related subject; minimum marks 60%.

Duration: 6 semesters

Basis of Admission: Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/ M Phil qualified candidates are exempted from entrance test.

School of Materials Science & Physics

Faculty Members

Prof JD Sharma

PhD; Professor Emeritus (Solid State Physics & Particle Physics)

Prof Suman Bala Beri

PhD, Adjunct Professor (Physics)

Dr Atul Thakur

PhD, Post-Doc; University of Brest, France; Post-Doc, National Taiwan University; Professor

Dr Preeti Thakur

PhD, Post-Doc National Taiwan University; Associate Professor-cum HOS (Material Science)

Dr Rajesh Sharma

PhD, M Phil, NET; Associate Prof (Solar Energy) cum Director Admissions & Marketing

Dr Neeraj Gandotra*

PhD, M Sc; Associate Professor (Mathematics) (*Deputed to Faculty of Engineering)

Mr Virender Pratap Singh*

M Phil (Physics); M Tech; Assistant Professor Solid State Physics) (*Deputed to Faculty of Engineering)

Mr Sunil Kumar

M Phil, M Tech (Engg Edu); Assistant Professor

Dr Alok Darshan Kothiyal*

PhD; Post-Doc; Assistant Professor (Mathematics) *Deputed to Faculty of Engineering)

Dr Suneel Dutt,

PhD; Post-Doc; Assistant Professor (Physics)

Dr Radheshyam Rai

PhD, Post-Doc (Portugal); Assistant Professor (Physics)

Dr Rakesh Kumar Shukla

PhD (Statistics); Assistant Professor

Academic Programmes

- B Sc (Hons) Physics
- B Sc (Hons) Mathematics
- M Sc Physics
- M Sc Mathematics
- Master in Statistics
- M Phil Physics
- PhD Physics

B Sc (Hons) Physics

Eligibility: 10+2 (PCB/ PCM) with minimum 55% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

B Sc (Hons) Mathematics

Eligibility: 10+2 with Mathematics as one of the subject, minimum marks 55%

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

Mathematics, a highly regarded discipline, is important to the modern world in providing theoretical framework for physical science, statistics and data analysis as well as computer science. With the mathematical skills gained during the programme, you will be able to analyze and solve complex problems faced in business and other professions.

M Sc Physics

Eligibility: B Sc with physics as one of the subject; minimum marks 50%

Duration: 4 semesters



Winners of inter faculty cultural competition with Himachal Pradesh Governor Acharya Dev Vrat

Basis of Admission: Through Shoolini University entrance test (Online facility available)

The science of physics expands our knowledge of the universe and underlines new technologies, which benefit our society. The objective of the course is to build a strong background in quantum mechanics, electronics, electrodynamics, condensed matter physics, nuclear physics, nano physics, computational physics, solar energy physics, thermodynamics, atomic and molecular physics. It is also a foundation for entry into M Phil or PhD. Curriculum is also oriented towards comprehensive learning for success in National Eligibility Test (NET) along with regular practice tests for continuous development of students.

The School of Materials Science & Physics has strong research capabilities having collaborative research with DRDO and DST on nano-magneto-dielectric materials and spinel nano ferrites for developing defence applications.

M Sc Mathematics

Eligibility: Graduation in any stream with Mathematics as one the subject, minimum marks 50 %.

Duration: 4 semesters
Basis of Admission: Through Shoolini University entrance test (Online facility available)

Our M Sc Mathematics course prepares graduates for a professional career or postgraduate research in mathematics, which is central to science, technology and finance-related fields. Mathematics graduates are most sought after in several professions because of their analytical skills. There is also a tremendous demand for mathematics teachers to meet the ongoing shortage in schools/ colleges.

Master in Statistics

Eligibility: Graduation in any stream with Mathematics as one the subject, minimum marks 50%.

Duration: 4 semesters
Basis of Admission: Through Shoolini University entrance test (Online facility available)

The programme aims to provide high level training in statistics. Students learn to analyze and critically interpret data, build statistical models, and use statistical software packages. Statistics graduates have high career opportunities in finance, researches in varied disciplines, pharma industry, consulting firms, banks, & in the public sector & govt. departments.

M Phil Physics

Eligibility: M Sc in concerned or related subject; minimum marks 60%

Duration: 2 semesters

Basis of Admission: Through Entrance Test conducted by Shoolini University followed by personal interview

PhD Physics

Eligibility: M Sc in concerned or related subject; minimum marks 60%.

Duration: Minimum 6 semesters

Basis of Admission: Through Entrance Test conducted by Shoolini University followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test.



Bird's Eye View of Shoolini Campus

Other Information

Scholarships

To attract meritorious students and as a part of its social responsibility, Shoolini University has instituted significant number of scholarships. This initiative of Shoolini University is aimed at rewarding the hard work of students towards achieving excellence in education and also removing the barriers to higher education for students from low income groups. In order to be eligible for the scholarships, students must fulfill eligibility criteria and conditions given against each of these categories.

Details of Scholarships*		
Sr. No.	Type of Scholarship	Amount
1	Single Girl Child Scholarship	Equivalent to 10% of Tuition Fee/ year#
2	Sibling Scholarship	Equivalent to 10% of Tuition Fee/ year#
3	Single Parent (Mother) Child	Equivalent to 20% of Tuition Fee/ year#
4	BPL Scholarship	As per HP Government policy
5	Old Students Scholarships* (On First-cum-First serve basis)	
I SILB students		
	Course	No. Amount
	M Sc Biotechnology	1 Equivalent to 100% of
	M Sc Microbiology	2 Tuition Fee in 2 nd Sem only
II Shoolini University Students		
	M Tech CSE	10
	M Tech ECE	10
	M Tech ME	10
	M Tech Civil	10
	M Tech EE	10
	M Pharma (Pharmaceutics)	8
	M Pharma (Pharmacology)	8
	M Pharma (Pharma Chemistry)	8
III SILB & Shoolini University Students		
	MBA	30 Equivalent to 100% of Tuition Fee in 2 nd Sem only

6	Merit Scholarships for all Undergraduate Programmes based on Class XII Board exams	
A) All State Education Boards		
	(i) 75-85% Marks (ii) 85-95% Marks (iii) Above 95% marks	Equivalent to 10% of Tuition Fee for 1 year# Equivalent to 20% of Tuition Fee for 1 year# Equivalent to 75% of Tuition Fee for 1 year#
B) National Education Boards		
	(i) 80-90% Marks (ii) 90-95% Marks (iii) Above 95% marks	Equivalent to 10% of Tuition Fee for 1 year# Equivalent to 20% of Tuition Fee for 1 year# Equivalent to 75% of Tuition Fee for 1 year#
7	Merit Scholarships for MBA Programme (Based on graduation/ post-graduation exams)	
	(i) 65-80% Marks (ii) Above 80% marks	Equivalent to 10% of Tuition Fee for 1 year# Equivalent to 15% of Tuition Fee for 1 year#
8	Merit-cum-Means Scholarships	Twenty (20) Number: On the discretion of the Foundation for Life Sciences & Business Management#
9	Shoolini University Merit Scholarships	Rs. 2,000/- in each course for 1 st Rank Holders in Semester examinations (Where the class strength is more than 10)#
10	Financial support to INSPIRE Scholarship holders in Elite B Sc (Hons) programme	Rs 25,000 per annum each to top 10 towards hostel charges#
11	Scholarship for wards of Shoolini employees	(i) Equivalent to 20% of tuition fee to the children of all faculty/ staff members# (ii) Equivalent to 50% of tuition fee to the children of all class four & similarly placed employees#

12	For PhD Scholars	Equivalent to 50% of Tuition Fee##
13	Renee-Mehan Scholarships	For Toppers in Shoolini University Scholarship Test for prospective Undergraduate students Amount: 1 st Position – Rs 1 Lakh for 1 year# 2 nd Position – Rs 50,000 for 1 year# 3 rd Position – Rs 25,000 for 1 year#
14	Paramahansa Yogananda Scholarship (Sponsored by Prof PK Khosla, Vice Chancellor)	Two (2) number; Rs 25,000 each per annum for newly admitted undergraduate students#

*Conditions Apply

NOTE

Scholarships to continue subject to 75% class attendance & OGPA 7 in semester exams. ## For those students who are holding NET qualified JRF/ INSPIRE/ Rajiv Gandhi Fellowships.

Hostel

Admission to the hostel will be on annual basis, but the charges can be paid semester wise.

Hostel accommodation will be allotted only on the production of ID card and hostel fee receipt. As far as possible, the wardens try to accommodate the candidates with the roommate of the same batch. However, it may not be possible to do so in all cases at time of admission. Also, certain hostel and room types are in greater demand and senior students have priority in the allotment of rooms. Provision of hostel accommodation to the admitted students is subject to availability of rooms and allotment will be made on first come first serve basis. In case of non-availability of rooms, candidates must make their own alternate arrangements. However, the university will assist the students in finding accommodation in decent paying guesthouses with good antecedents.



Hostel residents are required to adhere to the following rules and regulations:

1. The right of admission to the hostels is reserved.
2. Admission to the hostels will be open at the beginning of the session.
3. Admission shall have to be sought afresh in every academic session and will be confirmed subject to the following conditions:
 - a) Receipt of a duplicate admission form duly signed by the parents / guardian of the resident. At the time of admission an applicant will fill such a form and attach a duly stamped envelope addressed to his/her parents/guardian.
 - b) Satisfaction of the Student Welfare Officer (SWO) regarding proper conduct and regular payment and dues of hostel, mess, and canteen in case of ex residents.
4. Residents should not keep cash or jewelry or other valuables in their rooms.

The responsibility for safety of their belongings will be entirely that of the residents. The residents are advised to take out an insurance against theft and fire. The management will not be responsible for any loss.

5. Consumption of alcohol/ intoxicants/ smoking is strictly prohibited. Anyone found indulging in the above will be liable to face disciplinary action including expulsion from the Hostel.
6. Residents permitting or abetting unauthorized occupation of the rooms/ seats shall be liable to
 - a) Expulsion from the hostel.
 - b) Forfeiture of securities.
 - c) Imposition of a fine depending upon the extent of indiscipline.
7. In case of non-payment of dues or violation of anyone of the hostel rules by a resident, the SWO may get his/her room locked/vacated.
8. Every resident shall be responsible for the safety of the furniture/fixtures in the

room. Furniture is not to be removed from one room to another. Damage to hostel property is a serious offence; any resident found guilty of damaging hostel property will be liable to disciplinary action as per hostel rules including expulsion from the hostel / institute.

9. Use of electrical appliances, other than permitted ones, is strictly prohibited in the hostel.
10. Residents should observe strict economy in the use of electricity and water. They are required to switch off the lights, fans and other appliances as and when they leave their rooms, common room and dining hall. They should keep the geysers in the bathrooms off when not in use.
11. Residents are not to tamper with the electrical and sanitary installations. The cost of repair/ replacement due to any damage done to them will be realized from the residents.

12. Parents, friends and visitors are not permitted to stay in resident's room.
13. No resident shall remain absent from the hostel during night without written permission of the warden.
14. Application for leave for absence from the hostel shall be made in advance to the Warden. Residents will make sure that their leave applications are sanctioned before they leave the hostel.
15. If a student residing in the hostel abstains from the classes without bonafide reasons, he/she shall be asked to quit the hostel.
16. Hostel charges are to be deposited for the whole academic year at the time of admission. Under special circumstances, it may be paid in maximum of two installments but with the prior permission of the Vice-chancellor. Hostel charges once paid are not refundable. In case a student leaves the hostel with prior permission of the University Authority, they shall have to

pay the room rent for the entire academic year.

17. Failure to comply with the hostel rules may result in a fine and expulsion from the hostel or institute or both depending upon the gravity of the violation. In case of expulsion, the student will forfeit all the deposits and shall not be eligible for any claim.
18. Disrespect to DSW / SWO, Chief Warden & hostel wardens will lead to expulsion from the hostel.

Dates for the payment of all fees & other charges

- (i) First semester (new admission): At the time of admission
- (ii) Subsequent semesters
 - 2nd / 4th /6th /8th Sem: 10-30 December each year
 - 3rd /5th /7th Sem: 10-30 June each year

Transportation

Transport facilities are available for students and faculty of the university from Solan and

surrounding areas such as Nauni, Zero Point (junction of Solan-Oachghat), Kasauli, Parwanoo, Dharampur, Kumarhatti, Rajgarh and Shimla. Students desiring to avail the bus facility may register with the University's Accounts Office at City Office, SILB, The Mall, Solan or with the Transport Coordinator, Bajhol Campus. The details of the transportation charges from various places can be obtained from the offices of the Registrar/ Admissions/ Transport.

No refund shall be permitted under any circumstances, even if the student opts not to avail the facility during the middle of the semester.

Registration

1. All students must register with the University after their admission and again at the beginning of each semester (within 7 days).
2. Only those students shall be allowed to register who have paid the full semester fee and hostel / transportation charges as applicable for the ensuing semester.
3. Failure to complete registration in time will lead to cancellation of admission. In that case, they have to seek readmission by paying an amount Rs 1,000.



Refund of Fee

Admission fee, annual charges and tuition fee once paid are not refundable. However, in the event of a student/ candidate withdrawing before the starting of the course, the wait listed candidates would be given admission against the vacant seat.

The entire fee collected from the student, after a deduction of the processing fee of not more than Rs. 1000/- (one thousand only) shall be refunded and returned by the institution to the student/ candidate before the start of the programme.

Should a student leaves after joining the course and if seat consequently falling vacant has been filled by another candidate by the last date of admission, the institution would return the fee collected with proportionate deductions of monthly fee and proportionate hostel rent, where applicable.

Fee will not be refunded if the student has started attending classes & due date for admission has lapsed.

Dress Code

Shoolini University has made it mandatory for all undergraduate students to follow a proper dress code, at least on three specified specified days in a week. Both boys and girls wear white shirt, gray trousers, maroon tie, and navy blue blazer with an insignia on the pocket, gray socks and black shoes. Tie and insignia shall be provided by the university at a reasonable cost. The postgraduate students, however, follow the above dress code on formal and ceremonial occasions. Students should procure dress as per dress code within two weeks from the commencement of the academic year.

Education Loans



Shoolini University has tied up with Punjab National Bank to make easy education loan available to prospective students. The student can cover both tuition fee and hostel expenses.

Anti-Ragging

Ragging, an act where a vulnerable or weak junior is victimized by a senior is perceived by Shoolini University to be psychologically scarring for both the perpetrator and the victim. The University takes a very serious view of ragging in any form and is committed to creating within its precincts conditions that prevent the perpetration of any act of ragging by seniors, or in the event of such act being committed, the means for swift and uncompromising punitive action that could be in the form of a fine of Rs 25,000.00 or expulsion from the institution.

In order to make available to its students an environment that is conducive to study, and free of fear and intimidation, Shoolini University has put in to effect in full the anti-ragging regulations of the UGC. Anyone found involved in ragging shall be punished as per these regulations. All students and their parents/ guardians are required to submit affidavit (pro forma enclosed) regarding ragging at the time of admission as per UGC Anti-ragging regulations.

Anti-Ragging Committee

Members with their Phone Numbers

Prof Ramanand Chauhan-Chairman	Ph.094180-92694
Dr Umar Farooq(Biotechnology)	Ph.094650-95225
Mr Kuldeep Rojhe (Business Management)	Ph.098820-44749
Mr Pankaj Vaidya (Engineering)	Ph.094180-80977
Mr Afroze Alam (Pharmacy)	Ph.092180-40567
Dr (Ms) Kalpana Chauhan (Chemistry)	Ph.098885-72163
Mr Vivek Kanwar (Boys' Hostel/ Engineering)	Ph 086288-65162
Mr Abhishek (Boys' Hostel/ Biotechnology)	Ph 088942-26643
Ms Aarti (Girls' Hostel)	Ph 089880-79030

Commitment for Safe & Secure Campus

Vice Chancellor Prof PK Khosla has pledged to make the University drugs, alcohol, smoking and ragging free. He solicits the support of all the parents and students to fulfill this pledge.

Shoolini University Approvals/ Recognitions

Established by State Government

Shoolini University is established by the State Act of Government of Himachal Pradesh (Notification No. EDN –A-Gha(8) - 10/2006 dated 15th October, 2009).

Recognised by University Grants Commission (UGC)

Shoolini University became an officially recognized university by UGC in February 2011 (UGC F No. 8-1/2010(CCP)-1/PU), dated 7.2.2011).

Approved by Pharmacy Council of India (PCI)

School of Pharmaceutical Sciences is approved by Pharmacy Council of India (S. No. 4/917, www.pci.nic.in).

AICTE Approval

As per law, Universities do not require AICTE approval. Only institutions which are affiliated to Universities require approval. As Shoolini University is a Bonafide University established by a State Act, its courses do not require AICTE approval. The notification of law is notified in the case of Bharathidasan University Vs AICTE.

How to Apply for Admission?

1. The First Step is to satisfy yourself about your eligibility for the course you have chosen to pursue at the Shoolini University.
2. Procure the Shoolini University's Prospectus by any of the following means:
 - By Hand at Shoolini University City Office (The Mall, Solan) Counter/ University's Bajhol Campus – FREE.
 - By Post: A candidate can send a request at 'Shoolini University, Post Box 9, The Mall, Solan – FREE.
 - Download FREE at www.shooliniuniversity.com
3. Submit the duly filled Admission Form available in Information Brochure and at www.shooliniuniversity.com along with processing fee of **Rs 800 (Rupees eight hundred only)** in Cash or through Cheque payable at par/ Demand Draft drawn in favour of 'Shoolini University' payable at Solan, either by hand or through registered post, to
**The Registrar,
Shoolini University,
Post Box 9, Head Post Office,
The Mall, Solan- 173 212 (HP).**
4. Attach self attested photocopies of all academic certificates, testimonials and 3 passport size photographs with the Admission Form.