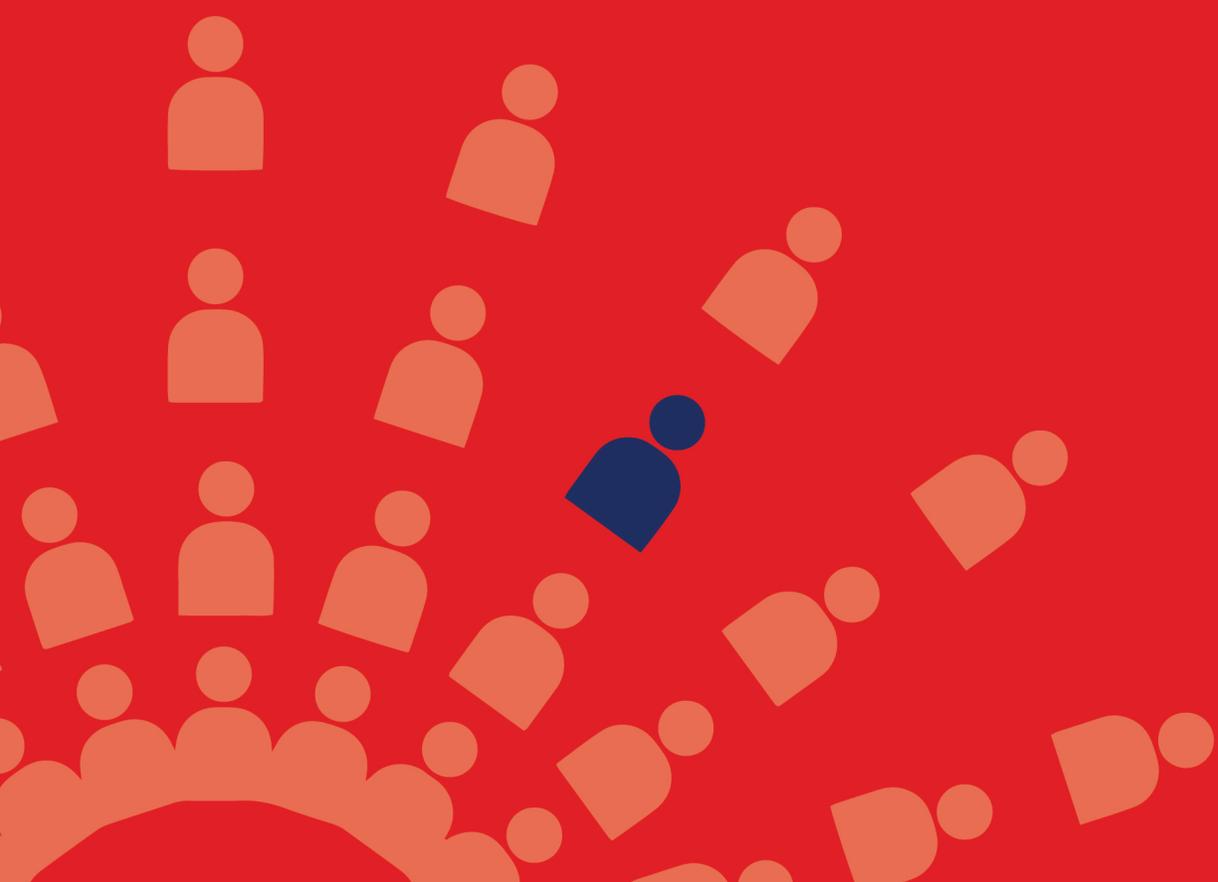




Think Learning
Think Success

INDIA'S LEADING PRIVATE UNIVERSITY

PROSPECTUS 2019-2020



BY VISIONARIES,
FOR VISIONARIES.

Welcome to a University Synonymous with Excellence

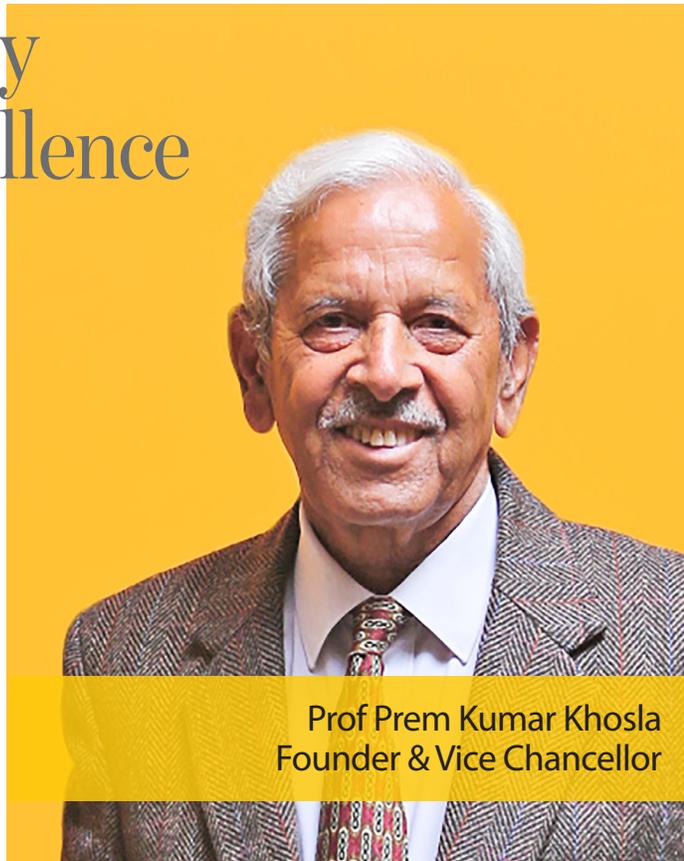
Dear Students and Parents

Today, we are in the league of Top 150 universities in the country in NIRF Ranking released by the Ministry of Human Resource Development, Government of India in April this year. Our School of Pharmaceutical Sciences figures among the Top 30 pharmacy colleges in India and MBA programme is clubbed in 51-75 band of top business schools. The figures culled out of NIRF data shows that Shoolini is the Second Best private university in our region including Himachal Pradesh, Chandigarh, Haryana, Punjab, J&K and Uttarakhand. Our research achievements outclass the average of 10 best NIRF-2018 listed universities of the country.

We have also developed a research programme for bright undergraduate students so that they have one or two research papers in Scopus or Thomson & Reuter listed journals for facilitating their entry into top global university. Shoolini is today the best Science University of the Country for pursuing bachelor's, master's and doctoral degrees.

PROF PREM KUMAR KHOSLA

An internationally renowned academician, with post doctorate in genetics from Oxford University, UK. Prof Khosla has added new dimensions to higher education and research in Indian Universities. He has served as Vice-Chancellor, HPAU, Palampur (HP) and as Senior Scientific Advisor to the Government of Himachal Pradesh and has been responsible for guiding it's biotechnology policy.



Prof Prem Kumar Khosla
Founder & Vice Chancellor

The journey to excellence has been possible due to our outstanding students and faculty, committed governance and support from the foundation, strong alliances and linkages with industry and academia, imaginative teaching and focused research, and state-of-the-art infrastructure. We are still far away from achieving our goal of being among top 200 global universities by 2022. But consistent excellent performance of Shoolini in the national rankings has shown that we are on the right path.

Our 'Mission 130' aims at hundred per cent employability of our students with thirty per cent in world class careers. I say with pride that some of India's and the world's most renowned academicians, scientists and business managers are already collaborating with us to make this mission a reality. Shoolini has developed global partnerships with 45+ international universities like Seoul National University, University of Ulster, Chung Yuan Christian University, Lanzhou University, Arkansas University, to name a few. It is my pleasure to invite you to be a part of Shoolini University and help build an institution all of us are proud to be associated with.

Please do not hesitate to reach out to me for any questions or queries. I look forward to hearing from you.



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INTRO DUCTION

Shoolini, among India's top private universities

Shoolini University is a leader in the field of academics & has made giant strides towards delivering quality education and research, & figures among Top 150 universities in the country as per MHRD National Rankings.

We are a non-profit multi-disciplinary private university with a vision to be a top 200 global university by 2022. In addition, we aspire to provide quality and relevant education to our students at an affordable and subsidized fee structure.

To achieve this aspiration, we have designed our business model around five areas of focus: attracting and retaining top national & international faculty; forging alliances with industry & academia of repute; governing through values

& transparency; building world class & environment friendly infrastructure; and attracting brilliant & needy students.

Nationally and internationally renowned academicians form the faculty at Shoolini University; one & a half dozen are post-docs and 65 PhDs who are involved in guiding innovative research to over 200 PhD scholars in a vibrant research environment.

The University has attracted more than Rupees 200 million as research grants on biotech related projects, which are funded by various national organizations. Shoolini has strategic academic alliances with leaders such as Genpact; Anand Automotive Group; several universities across the globe.

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:

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

EXAMINATION

Undergraduate programme

The system of examination is internal. Besides, each student has to appear/submit assignment, presentation, quiz, surprise test, terminal examination 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) system:

1. An undergraduate student is evaluated through continuous internal assessment and end term examination. He or she has to pass in both internal assessment and end term examination (separately in theory and practical).
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:

Undergraduate & Postgraduate Examinations (Other than Pharmacy courses)

4.0 grade point in each subject and in OGPA

Undergraduate & Postgraduate Examinations (Pharmacy courses)

As per PCI guidelines issued from time to time
4. Based on the performance of a student, each student (other than Pharmacy) is awarded a letter grade in each subject at the end of semester. The letter grades are: O, A+, A, B+, B, C, P and F and the corresponding grade points are: 10, 9, 8, 7, 6, 5, 4, and 0.

For Pharmacy courses letter grading & attendance marks shall be awarded as per PCI guidelines.

ATTENDANCE

As per UGC guidelines no student will be allowed to appear in theory and practical end-term semester examination if he or 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 EXAMINATION

Students, other than Pharmacy, who fail to get 4.0 grade point in a subject have to clear the subject through re-appear examination. PCI guidelines for make-up examination shall be applicable for pharmacy students.

An undergraduate student (B Tech and B Pharma) who has not cleared all courses of the first two semesters shall not be allowed to register in the 5th semester. A student, who has not cleared all the courses of 3rd & 4th semester, shall not be allowed to register for 7th semester till he/she clears all the courses of 3rd and 4th semester. In case of other undergraduate courses, a student will not be allowed to register in 5th semester until or unless he/she clears all the previous courses.

Our Doctoral Programme

To achieve excellence in various spheres of biotechnology, engineering, basic sciences, 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/Pharmaceutical Sciences/Management/English/Yoga/Environment Science/Physics/Maths/Chemistry/Zoology/ Economics/Food Technology/Mechanical Engineering/Civil Engineering/CSE.

ELIGIBILITY

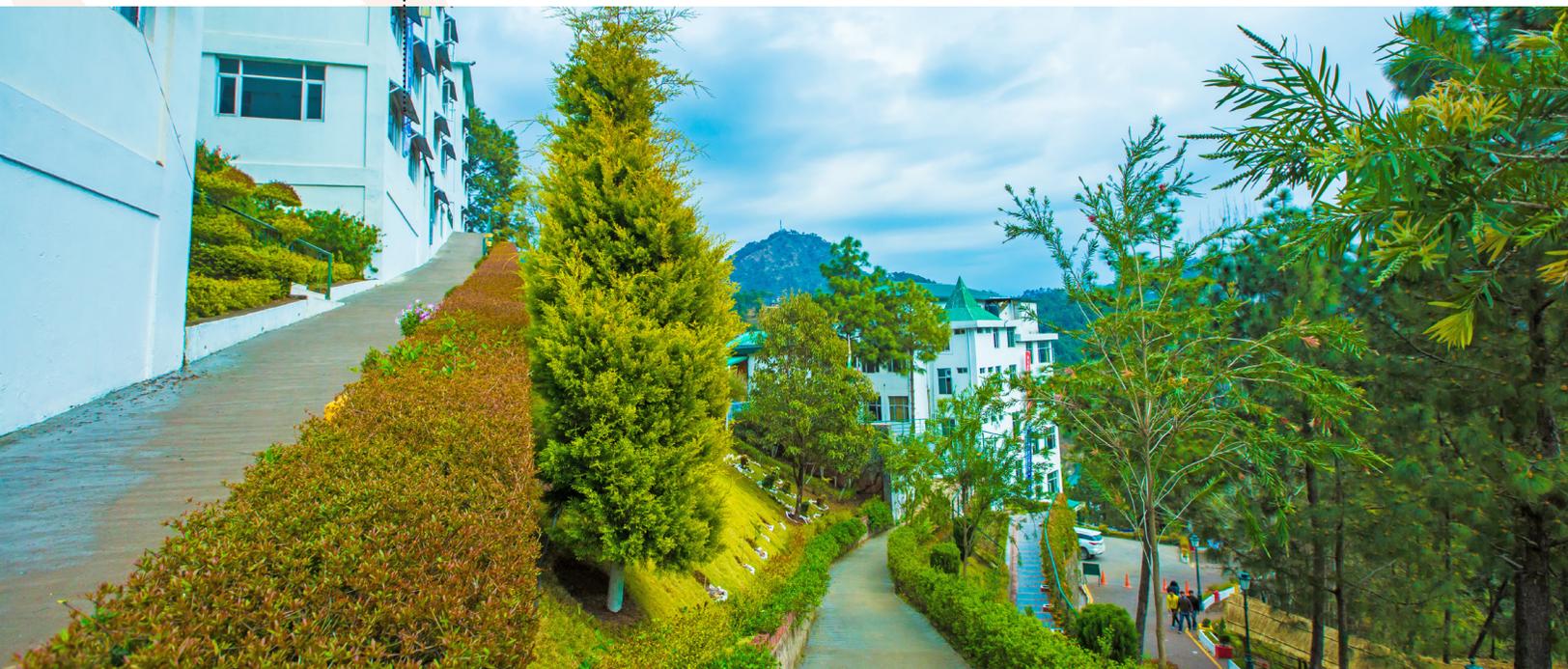
Master's degree in the concerned subject/ related discipline with at least 55% marks.

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. For details visit university's website ; www.shooliniuniversity.com



Faculty of Applied Sciences & Biotechnology



Dr. Anuradha Sourirajan
Dean

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 initiation in to research at 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 researches have 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.

Considered among the best in the country in the BioSpectrum rankings, the Faculty of Applied Sciences and 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, health care biosensors, bioremediation, bioinformatics, pharmaceuticals, and genetically modified products of diverse origins.

The Faculty of Applied Sciences 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, Ulster University, Northern Ireland, Sierra Bio Life, Australia and Chung Yuan Christian University, Taiwan for exchange of students, Transgenic Life Sciences & National Bureau of Fish Genetic Resources for collaborative biotech research and Upkar Pharmaceuticals, Tirupati Medicare and NutraHelix for strengthening programmes in Food Technology. It has formed mutually beneficial links with various industries for commercialising research leads of the university and students' projects and training.

Himachal's first commercial food testing laboratory is being set up with a financial outlay of Rs. 3 crore funded by ICAR through the Ministry of Food Processing Industries (MOFPI), Government of India. The faculty has also received a DST FIST grant of Rs. 65 lakh for setting up a proteomics facility at the university. The DST along with HPPIC, SCSTE (Shimla) also sponsored an IPR cell at the University.

In addition, the university has also 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 MOFPI. The project includes financial assistance for the purchase of 26 major machines and equipment 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.

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. Graduate and post-graduate students are required to undertake research/ projects.

CURRENT AREAS OF RESEARCH

- ❖ Anticancer and Immunomodulation Drugs
- ❖ Antimicrobials and Nano-Particle Based Drugs
- ❖ Bio fertilizers 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
- ❖ Nano peptide 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

PROFESSOR OF EMINENCE/ADJUNCT FACULTY

Prof RC Mahajan

PhD; PGIMER, Chandigarh & Advisor ECD, ICMR;
Professor of Eminence

Prof Bhavender Paul

PhD, Post Doc USA; Professor of Eminence

Prof DR Sharma

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

Prof Steven L Stephenson

PhD; Fulbright specialist, University of Arkansas, USA;
Adjunct Professor

Dr Manoj K Kashyap

PhD; Adjunct Professor

Dr Kamlesh Kanwar

PhD; Adjunct Professor

PROFESSORS

Dr Anuradha Sourirajan

PhD, Post-Doc, National Cancer Institute (NIH), USA

Dr Kamal Dev

Post-Doc, National Cancer Institute (NIH), USA

Dr Sourabh Kulshreshtha

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

ASSOCIATE PROFESSORS

Dr Reena Vohra PhD, Post Doc, NET

ASSISTANT PROFESSORS/ LECTURERS

Dr Astha Tripathi PhD

Dr Anshul Sharma PhD, NET

Dr Chandrika Attri Seth PhD

Dr Azhar Khan PhD, Post Doc

Dr Nitika Thakur PhD, NET

Dr Shikha Srivastava PhD NET, GATE

Dr Pradeep Kumar PhD

Dr Sonali Khanduja Kalra PhD (Microbiology)

Dr Suman Bhandary PhD. GATE (Microbiology)

Dr Vikas Kumar PhD, NET

Ms Chandresh Kumari M Sc (Pursuing PhD)

Mr Neeraj Pizar M.A English, NET

Ms Rajni Sharma MCA

Mr Henok Gulilat Azalework

M Sc (Ethiopia)

ACADEMIC PROGRAMMES

- ❖ B Sc (Hons) Biotechnology
- ❖ B Sc (Hons) Microbiology
- ❖ Integrated B Sc (Hons) - M Sc (Biotechnology)
- ❖ Integrated B Sc (Hons) - M Sc (Microbiology)
- ❖ M Sc Biotechnology
- ❖ M Sc Microbiology
- ❖ M Phil Biotechnology
- ❖ M Phil Microbiology
- ❖ PhD Biotechnology
- ❖ PhD Microbiology

B Sc (Hons) Biotechnology

Eligibility: 10+2 (PCB/PCM) with 50% marks

Duration: 6 semesters (B Sc Hons)

Basis of Admission: By merit of qualifying examination

No. of Seats: 120

B Sc (Hons) Microbiology

Eligibility: 10+2 (PCB) with 50% marks

Duration: 6 semesters (B Sc Hons)

Basis of Admission: By merit of qualifying examination

No. of Seats: 60

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

No. of Seats: 30

(* sub judice)

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**No. of Seats:** 30

(* sub judice)

M Sc Biotechnology**Eligibility:** B Sc with Biotechnology/ Microbiology/ Biochemistry/ Life or Physical Sciences as one of subject or Bachelor Degree in any branch of science & technology. Minimum marks 50%**Duration:** 4 semester**Basis of Admission:** By merit of qualifying examination**No. of Seats:** 120

Research will form a part of the programme starting from the first semester. 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. Research forms part of the programme from the first semester. 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:** B Sc with Microbiology/ Biotechnology/ Biochemistry/ Life Sciences as one of the subject with at least 50% marks**Duration:** 4 semester. Research will form a part of the programme starting from the first semester**Basis of Admission:** By merit of qualifying examination**No. of Seats:** 60

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. Micro-organisms help in several industries like

pharmaceutical industry, jute industry, food industry, etc. Hormones, vitamins, vaccines are also manufactured from micro-organisms

M Phil Biotechnology**Eligibility:** MSc/Biotechnology/Microbiology/any related

branch of Life Sciences with minimum of 55% marks

Duration: 2 semesters: 1 semester coursework + 1 semester thesis**Basis of Admission:** Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT qualified candidates are exempted from entrance test**No. of Seats:** 12**M Phil Microbiology****Eligibility:** MSc/Biotechnology/Microbiology/any related branch of Life Sciences with minimum of 55% marks**Duration:** 2 semesters: 1 semester coursework + 1 semester thesis**Basis of Admission:** Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT qualified candidates are exempted from entrance test**No. of Seats:** 08**PhD Biotechnology****Eligibility:** Master's degree in Biotechnology/related discipline with at least 55% marks.**Duration:** 6 semesters: 1 semester coursework + 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**No. of Seats:** 15**PhD Microbiology****Eligibility:** Master's degree in Microbiology/ related discipline with at least 55% marks**Duration: 6 semesters:** 1 semester coursework + 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**No. of Seats:** 08**School of Bioengineering & Food Technology****FACULTY MEMBERS****PROFESSOR OF EMINENCE/ADJUNCT & VISITING FACULTY****Prof Umesh Kumar Kohli**

PhD; Post-Doc, (Washington State University, USA); Professor of Eminence

Dr Ramesh C. Chandan PhD; Adjunct Professor**Dr VK Joshi** PhD; Adjunct Professor**Dr CK Shirkot** PhD; Adjunct Professor**Dr. BB Lal Kaushal** PhD; Visiting Professor

PROFESSORS**Dr Dinesh Kumar**

PhD, PG Diploma in Bio-informatics,
Post Doc experience in Ireland & Netherlands

ASSISTANT PROFESSORS/ LECTURERS**Dr Amit Seth**, PhD, NET**Dr PK Chauhan**, PhD, NET**Dr Ravinder Kaushik**, PhD**Dr Ankur Kushal**, PhD M Tech**Er Rupak Nagraik**, M Tech PhD (Pursuing) NET**Dr Rahul Thory**, PhD M Sc NET**Mr Mukul Kumar**, M Tech, PhD (Pursuing)**Dr Ashok K Pathera**, PhD(Food Technology) NET**Dr Shagun Gupta**, PhD M Sc**Dr Rosey Dhanta**, PhD**Mr Suresh**, Diploma Horticulture Management, MBA, M Sc IT**Mr Shikhar Sharma**, MBA; Management Assistant**ACADEMIC PROGRAMMES**

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

B Sc (Hons) Food Technology

Eligibility: 10 + 2 (PCM/ PCB) with minimum 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination.

No. of Seats: 30

B Tech Biotechnology

(Food Biotechnology, Pharmaceutical & Healthcare, Bioinformatics, Biotechnology, Genetic Engineering, Instrumentation Biotechnology, Environmental Biotechnology, Agri- Biotechnology (seed biotechnology), Industrial Biotechnology).

Eligibility: 10 + 2 (PCM/PCB)

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government. Vacant seats, after exhausting the merit list of JEE/HPCET, are to be filled on the basis of merit of 10+2 with candidates having at least 50% marks.

No. of Seats: 120

B Tech Biotechnology (Lateral Entry)

Eligibility: Diploma in Biotechnology or related subject with minimum of 50% marks.

Basis of Admission: By merit of qualifying examination

No of seats: As per AICTE/UGC norms

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 & Food Biotechnology, Bioinformatics, Nanotechnology, Animal Biotechnology, Environment Biotechnology

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)

Duration: 8 semesters

Basis of Admission: Through JEE/HPCET or any equivalent entrance test recognised by HP Government. Vacant seats, after exhausting the merit list of JEE/HPCET, are to be filled on the basis of merit of 10+2 with candidates having at least 50% marks

No. of Seats: 120

B Tech Food Technology (Lateral Entry)

Eligibility: Diploma in Food Technology or related subject with minimum of 50% marks.

Basis of Admission: By merit of qualifying examination

No of seats: As per AICTE/UGC norms

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 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.

M Tech Biotechnology

Eligibility: BE/ B Tech Biotechnology OR M Sc Biotechnology/Microbiology/Biochemistry/any other branch of Life Sciences

Duration: 4 semesters

Basis of Admission: Through GATE/HPCET or any other recognised entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of GATE/HPCET, are to be filled on the basis of merit of B Tech with candidates having at least 50% marks.

No. of Seats: 18

M Tech Food Technology

Eligibility: BE/ B Tech Food Technology/Agriculture/Biotechnology OR M Sc Biotechnology/Microbiology/Biochemistry/ any other branch of Life Sciences.

Duration: 4 semesters

Basis of Admission: Through GATE/HPCET or any other recognised entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of GATE/HPCET, are to be filled on the basis of merit of B Tech with candidates having at least 50% marks.

No. of Seats: 18

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: By merit of qualifying examination

No. of Seats: 30

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. The food processing sector in India is expected to have market size of 210 billion US dollars in 2015.

PhD Food Technology

Eligibility: Master's degree in Food Technology/Food Science/ Microbiology/ Biotechnology or any other related discipline with at least 55% marks

Duration: 6 semesters

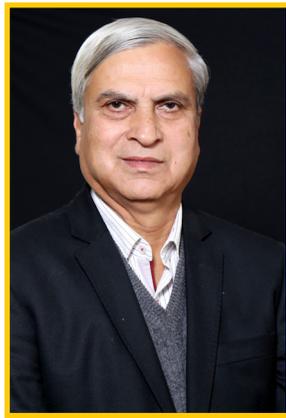
Basis of Admission: Admission shall be made through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test

No. of Seats: 06

- ❖ Reservation of seats for Himachali/SC/ST/ physically handicapped/economically weaker section candidates as per the rules of Himachal Pradesh & Central Government
- ❖ Number of seats for Lateral Entry as per AICTE norms
- ❖ 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 rule
- ❖ Criteria for admissions to professional courses shall be in accordance with HP government Notification No. EDN (TE) F (10) 2/2018 dated 4th May 2018.



Faculty of Engineering & Technology



PROF SHYAM SINGH CHANDEL
Dean

Prof Chandel, former Professor and founder Head at Centre for Energy & Environmental Engineering, National Institute of Technology, Hamirpur is an eminent expert in photovoltaics, solar thermal, solar passive building technologies, solar power generation, wind and bio energy, and hybrid power systems. He has played a key role in formulating the policy on solar passive housing technology. As Principal Scientific Officer and Head of HP Patent Information Centre at HP State Council for Science, Technology & Environment, he was responsible in formulation of policy on Geographical Indications registration and IPR issues.

He has a vast experience in coordinating national and international energy projects. Prof Chandel is the recipient of prestigious Life Time Achievement Award in Science by Government of Himachal Pradesh. He has been honoured with National Award for Excellence by Ministry of New and Renewable Energy, Govt. of India for promoting concentrated solar technologies.

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 workspaces 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 for Automobile Education and Research

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 upgrade 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 multidisciplinary 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.

Center of Excellence in Renewable Energy

The Centre is undertaking research work on the various renewable energy sources like solar, wind and thermal energy.



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, 70+ students have gone for studies and research in various reputed universities/ institutions in South Korea, Taiwan, China and USA. From outside India, 11 South Korean and Taiwanese 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 Hyoung-In-Lee, Research Professor from Seoul National University and On Cham Lee taught Shoolini B Tech students 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 & Communication Labs (5)
- ❖ Drawing Hall (3)
- ❖ CSE Labs (3)
- ❖ Language Lab (1)
- ❖ Seminar Room (1)
- ❖ Tutorial Rooms (6)

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
- ❖ Academics (Teaching/ Research/Training)
- ❖ Entertainment & Hospitality Sectors
- ❖ Construction Buildings, Dams, Roads, Tunnels, Super Highways

CURRENT AREAS OF RESEARCH

- ❖ Big Data
- ❖ Image Processing
- ❖ Cloud Computing
- ❖ Wireless Sensor & Networks
- ❖ Cryptography & 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

School of Mechanical & Civil Engineering

FACULTY MEMBERS

PROFESSORS OF EMINENCE/ ADJUNCT & VISITING FACULTY

Dr JP Soni

PhD, Post-doc; Professor of Eminence; Civil

Dr Subhash Chander

PhD, Post-doc; Professor of Eminence; Mechanical

Dr SR Prabhakar

PhD (Metallurgical Engg.); Professor of Eminence; Mechanical

Er Rajinder Abhange

B Tech; Visiting Faculty

Er S Acharya B Tech, MBA; Visiting Faculty

Maj Gen AK Chaturvedi (Retd)

M Tech, M Phil, PhD; Visiting Faculty

Dr Hyoung In Lee

PhD; Seoul National University; Visiting Faculty

Dr Harish Chandan PhD; Adjunct Professor

PROFESSORS

Dr Mohindra Singh Thakur, PhD; Civil

Prof Arvind Nanda,

FTGMP (General Management),

B Sc Production Engineering; Mechanical

Er PL Goel, B Sc (Hons), M Sc Civil Engineering;

Former Chief Engineer PSEB; Civil

Er Bhaskar Goel, M Tech, PhD (Pursuing); Mechanical

ASSISTANT PROFESSORS/LECTURERS

Dr Anil Kumar, PhD; Mechanical

Dr Abhilash Pathania, PhD; Mechanical

Dr Robin Thakur, PhD; Mechanical

Er Sorabh Aggarwal, M Tech; Mechanical

Er Sanjay Garg, M Tech; Civil, PhD (Pursuing)

Er Nitin Kumar Sharma, M Tech; Mechanical, PhD (Pursuing)

Dr Raj Kumar, PhD; Mechanical

Dr Amar Raj Singh, PhD; Mechanical

Er Sashank Thapa, M Tech; Mechanical, PhD (Pursuing)

Er Adit Rana, M Tech; Mechanical

Er Sushil Kumar, M Tech; Mechanical

Mr Bhupender Kumar, M Tech; Civil

Er Veena Kashyap, B Tech; M Tech; Civil

Ms Mitankshi Sharma, M Tech; Civil

Mr Vikas Mehta, M Tech; Civil

Ms Nidhi Kapoor, M Tech; Civil

Ms Priyanka, M Tech; Civil

ACADEMIC PROGRAMMES

- ❖ B Tech Civil Engineering
- ❖ B Tech Civil Engineering(Lateral Entry)
- ❖ B Tech Mechanical Engineering
- ❖ B Tech Mechanical Engineering(Lateral Entry)
- ❖ M Tech Mechanical Engineering
- ❖ M Tech Civil Engineering
- ❖ PhD Mechanical Engineering
- ❖ PhD Civil Engineering

B Tech Civil Engineering

Eligibility: 10 + 2 (PCM)

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government. In case of non JEE/HPCET; minimum marks 50% for vacant seats after exhausting merit of JEE/HPCET.

No. of Seats: 60

B Tech Civil Engineering (Lateral Entry)

Eligibility: Diploma in concerned or related subject with minimum of 50% marks.

Basis of Admission: By merit of qualifying examination

No of seats: As per AICTE/UGC norms

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 govts, and in the private sector from individual homeowners through to international companies.

B Tech Mechanical Engineering

Eligibility: 10 + 2 (PCM)

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government. In case of non JEE/HPCET; minimum marks 50% for vacant seats after exhausting merit of JEE/HPCET.

No. of Seats: 120

B Tech Mechanical Engineering (Lateral Entry)

Eligibility: Diploma in concerned or related subject with minimum of 50% marks.

Basis of Admission: By merit of qualifying examination

No of seats: As per AICTE/UGC norms

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.

M Tech Mechanical Engineering

Eligibility: B Tech Mechanical Engineering

Duration: 4 semesters

Basis of Admission: Through GATE/HPCET or any other recognised entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of GATE/HPCET, are to be filled on the basis of merit of B Tech with candidates having at least 50% marks.

No. of Seats: 18

M Tech Civil Engineering

Eligibility: B Tech Civil Engineering

Duration: 4 semesters

Basis of Admission: Through GATE/HPCET or any other recognised entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of GATE/HPCET, are to be filled on the basis of merit of B Tech with candidates having at least 50% marks.

No. of Seats: 18

PhD Civil Engineering

Eligibility: Master's degree in Civil Engineering or any other related discipline with at least 55% marks

Duration: Minimum six 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

No. of Seats: 04

PhD Mechanical Engineering

Eligibility: Master's degree in Mechanical Engineering or any other related discipline with at least 55% marks

Duration: Minimum six 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

No. of Seats: 04

School of Electrical & Computer Engineering

FACULTY MEMBERS

PROFESSORS OF EMINENCE/ADJUNCT & VISITING FACULTY

Er CP Mahajan

Professor of Eminence

Dr GS Viridi

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

Mr Jyoti Prakash Gupta

B Tech; Adjunct Professor

PROFESSORS

Prof Shyam Singh Chandel, PhD

Prof Ram Prakash Dwivedi

PhD, Post-Doc (South Korea); ECE

ASSOCIATE PROFESSOR

Er Pankaj Vaidya, ME, BE; CSE

Er RK Saini, ME, MIE; ECE

Dr Neeraj Gandotra, M Tech, PhD; Maths

ASSISTANT PROFESSORS/LECTURERS

Er Sunil Pathania, M Tech, GATE; ECE; on study leave

Dr Varun Jaswal, PhD

Er Gaurav Gupta, M Tech; CSE

Er Sachin Sharma

M Tech; Assit Professor-cum-Chief Information Officer; CSE

Er Ashwani Sharma, M Tech; ECE

Er Sanjay Bhardwaj, M Tech; Lecturer; Electronics

Er Gunjan Thakur, B Tech, M Tech; IT

Mr Het Ram Kashyap, MCA; CSE

Er Sunil Kumar, M Phil, M Tech, M Sc; Maths

Er Ankit Gupta, M Tech; CSE

Er Meenakshi Nayyer, M Tech; CSE

Er Namita Gandotra, M Tech; CSE

Er Diksha Sharma, M Tech; CSE

Dr Nagesh kumar, PhD; CSE

Er Bharti Thakur, MCA, M Tech; CSE

Er Mahesh Kumar, M Tech; CSE

Er Hemant Sharma, M Tech; IT

Mr Brij Bushan, M Tech

Mr Ravinder Kumar Thakur, M Sc, B Ed; Teaching Assistant

Ms Gayatri Seth, B Tech; Electrical Communication

Ms Suman, MSc; B.Ed

ACADEMIC PROGRAMMES

- ❖ B Tech Computer Science & Engineering
- ❖ B Tech Computer Science & Engineering(Lateral Entry)
- ❖ B Tech Electrical Engineering
- ❖ B Tech Electrical Engineering(Lateral Entry)
- ❖ B Tech IT
- ❖ B Tech IT (Lateral Entry)
- ❖ BA/B Sc (Hons) Mathematics
- ❖ M Tech Computer Science & Engineering
- ❖ MA/M Sc Mathematics
- ❖ PhD Mathematics
- ❖ PhD Computer Science & Engineering

B Tech Computer Science & Engineering (Specialization: AI & Machine Learning/ Big Data/ Cyber & Network Security)

Eligibility: 10 + 2 (PCM)

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government. Vacant seats, after exhausting the merit list of JEE/HPCET, are to be filled on the basis of merit of 10+2 with candidates having at least 50% marks.

No. of Seats: 120

B Tech Computer Science & Engineering (Lateral Entry)

Eligibility: Diploma in concerned or related subject with minimum of 50% marks.

Basis of Admission: By merit of qualifying examination

No of seats: As per AICTE/UGC norms

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.

B Tech IT (Specialization: Cloud Technology & Information Security)

Eligibility: 10 + 2 (PCM)

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government. Vacant seats, after exhausting the merit list of JEE/HPCET, are to be filled on the basis of merit of 10+2 with candidates having at least 50% marks.

No. of Seats: 30

B Tech IT(Lateral Entry) (Specialization: Cloud Technology & Information Security)

Eligibility: Diploma in concerned or related subject with minimum of 50% marks.

Basis of Admission: By merit of qualifying examination

No of seats: As per AICTE/UGC norms

The demand for IT professionals continues to rise at an exponential rate as more and more enterprises adopt Cloud Computing. The market for Cloud computing & Network Security is likely to grow at a compound annual growth rate of 30% to reach US\$ 270 billion by the year 2020 and with around 4 lakh job opportunities in India in the same period.

B Tech Electrical Engineering (Specialization: Power Engineering/ Control System/ Electrical Machine & Drawing/ Energy Systems)

Eligibility: 10 + 2 (PCM)

Duration: 8 semesters

Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government. Vacant seats, after exhausting the merit list of JEE/HPCET, are to be filled on the basis of merit of 10+2 with candidates having at least 50% marks.

No. of Seats: 30

B Tech Electrical Engineering (Lateral Entry)

Eligibility: Diploma in concerned or related subject with minimum of 50% marks.

Basis of Admission: By merit of qualifying examination

No of seats: As per AICTE/UGC norms

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.

BA/B Sc (Hons) Mathematics

Eligibility: 10+2 with Mathematics as one of the subject, minimum marks 50%.

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 30

M Tech Computer Science & Engineering

Eligibility: B Tech Computer Science & Engineering OR M Sc Computer Science/ any other related subject

Duration: 4 semesters

Basis of Admission: Through GATE/HPCET or any other recognised entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of GATE/HPCET, are to be filled on the basis of merit of B Tech with candidates having at least 50% marks.

No. of Seats: 18

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.

MA/M Sc Mathematics

Eligibility: Graduation in any stream with Mathematics as one of the subjects with minimum marks 50%

Duration: 4 semesters

Basis of Admission: By the merit of qualifying examination

No. of Seats: 30

Our MA/ 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.

PhD Computer Science & Engineering

Eligibility: Master's degree in Computer Science and Engineering or any other related discipline with at least 55% marks

Duration: 6 semesters

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

No. of Seats: 04

PhD Mathematics

Eligibility: Master's degree in concerned or related subject; minimum marks 55%.

Duration: Minimum 6 semesters

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

No. of Seats: 02

- ❖ Reservation of seats for Himachali/SC/ST/ physically handicapped/economically weaker section candidates as per the rules of Himachal Pradesh & Central Government
- ❖ Number of seats for Lateral Entry as per AICTE norms
- ❖ 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 rule
- ❖ Criteria for admissions to professional courses shall be in accordance with HP government Notification No. EDN (TE) F (10) 2/2018 dated 4th May 2018.

Faculty of Management Sciences & Liberal Arts



ATUL KHOSLA
Dean

An eminent Senior Executive with an illustrious career in the corporate sector, Prof Atul Khosla 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. As management consultant, he served clients in North America, Europe, Asia, Australia and India. He has held senior positions with some of the world's leading consultants like McKinsey and Company USA, Everest Group, Towers Watson, Oliver Wyman and ac-connect ag. Switzerland. He is a guest speaker at global business schools including INSEAD, IIM Ahmedabad, IIM Lucknow, IIM Bangalore, ISB, JBIMS, IIT Bombay and IIT Kanpur among others.

An eminent Senior Executive with an illustrious career in the corporate sector, Prof Atul Khosla 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. As management consultant, he served clients in North America, Europe, Asia, Australia and India. He has held senior positions with some of the world's leading consultants like McKinsey and Company USA, Everest Group, Towers Watson, Oliver Wyman and ac-connect ag. Switzerland. He is a guest speaker at global business schools including INSEAD, IIM Ahmedabad, IIM Lucknow, IIM Bangalore, ISB, JBIMS, IIT Bombay and IIT Kanpur among others.

School of Business Management and 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 is ranked among top 75 management schools in India by National Institutional Ranking Framework (NIRF), Ministry of Human Resource, Government of India for the year 2018.

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 (Batch 2017) 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 communication skills for interviews & 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.

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

Hospitality and Hotel Administration

Globally, hospitality and hotel management are growing sectors. According to the World Travel & Tourism Council, India's travel and tourism sector is expected to be the second largest employment provider in the world, employing more than 40 lakh professionals directly or indirectly, by 2019. Viewing this phenomenal growth, tremendous shortage is projected in technically skilled professionals at all levels both in Indian and global hospitality sector. Our three years B Sc degree in Hospitality and Hotel Administration with a focus to give students key competencies related to hospitality business, communications and human relations that will allow them to work in different service sectors around the world.

Yogic Sciences

Considered as the birthplace of Indian culture including yoga, the Himalayas with cool summers and pleasant sunny winters are the ideal destination for pursuing yogic practices and scientific research. With the declaration of 21st June as International Yoga Day by the United Nations, there has been tremendous interest and increased awareness of the benefits that practicing yoga has on our mental and physical health.

As a consequence, several job opportunities are available for yoga professionals and researchers in various fields like educational institutions, health resorts, gymnasias, medical institutions and therapy centres both within and outside the country. Shoolini University becomes the first institute to start B.Sc. Yoga in the region. The programme has been designed to provide both theoretical knowledge and hands-on training, besides transformational learning of students under the direction of experienced teachers, spearheaded by Prof PK Khosla, Vice Chancellor.

Journalism and Mass Communication

Under the mentorship of well-known and nationally acclaimed journalist Mr. Vipin Pubby, a long-term former Editor of The Indian Express, the 3-year BA in Journalism and Mass Communication course equips students with the skills needed for careers in reporting, journalism, advertising, news analysis and public relations. During his 37 years+ experience in journalism, Vipin Pubby has reported extensively from across the country, including from the National Capital, the North-East, Gujarat, Jammu and Kashmir, Punjab, Haryana and Himachal Pradesh, and abroad. He has trained hundreds of young Journalists many of whom are established names in the national print and electronic media.

FACILITIES

- ❖ IT Centre
- ❖ e-Lab
- ❖ Language Lab
- ❖ Audio-Visual Room
- ❖ Mediation Hall
- ❖ Tutorial Rooms
- ❖ Conference Rooms
- ❖ Yoga and Meditation Centre
- ❖ Restaurant
- ❖ Bakery
- ❖ Seminar Halls
- ❖ Video-conferencing
- ❖ Online Lectures

CAREER PATHS

- ❖ Executives / Managers (Private and 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 PROFESSORS/DIRECTORS

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

Mr Vipin Pubby

Director, Journalism & Mass Communication

Col TPS Gill MA (Pub Admin)

M Sc (Defence Studies), Director Operations

Mr Praveen Vasisht

MA; Liberal Arts

Mr Narinder Verma

PGDM (IIMC), PGDAC, B Tech (IIT); Management

Dr Kuldeep Rojhe

PhD; MBA (SLET); Management

Mr Pratip Mazumdar

Hospitality & Hotel Management

Ms Poonam Nanda

MA, SPRINT & Skills Development; English

Dr Ashutosh Mohanty, PhD; Public Administration

ASSOCIATE PROFESSORS

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

Dr Devesh Kumar, PhD, MBA, MCA; Management

Dr Dipankar Sharma, PhD; Management

Dr Vinod Kumar, MBBS; Yogic Sciences

Mr. Manav Bansal, B Tech; CSE, MBA(HR)

ASSISTANT PROFESSORS

Dr Nitin Gupta, PhD, MBA, PGDPM & LW; Management

Mr Kamalkant Vashisth, MBA, NET; Management

Dr Pooja Verma, PhD MBA, NET; Management

Mr Amar Rao, MBA, NET; Management

Ms Prachi Kapil, MBA; Management

Mr Shivendra Krishan Gupta, MBA; Business Analyst; Management

Mr Vikrant Chauhan, MPEd, SET; Physical Education

Mr Neeraj Pizar, MA (English); English

Dr Purnima Bali, PhD; English

Dr Subodh Saurabh Singh, PhD(Yogic Science), NET

Dr. Mala Tripathi, PhD(Yogic Science), NET

Mr Vijay Kumar, MBA; Management

Ms Ranjna Thakur, Master of Mass Communication, NET, SET; Journalism

Mr Ramesh Kumar Sood, M Phil; Assistant Registrar

Mr Karan Berry, M Sc, NET; Hotel Management

Dr Vinay Negi, PhD; Senior Business Analyst; Management

Mr Ankit Shukla, Master of Hotel Management

Mr Sumit Verma, MBA; Management

Dr Supriya Srivastava, PhD NET

Mr Pawan Sharma, MBA; Management

Ms Shubhika Sharma, MBA; Management

Ms Harsha Thakur, MBA; Management

Ms Varsha Patil, CS, B Com; Commerce

Ms Anupama Chandel, MA Yoga; Yogic Sciences

Mr Ranjeet Singh, MBA

Mr Shubham Verma, MBA; Management Trainee
Ms Lata Negi, MA; English, B.Ed
Mr. Vineet Sharma, Master in Tourism Management, B.Sc
Mr. Pushpender Verma, MBA
Ms Sakshi Sharma, MBA
Mr. Suraj, MBA
Mr. Anuj, MBA
Ms. Richa Devesar, MBA

PROFESSOR EMERITUS/ADJUNCT & VISITING FACULTY

Dr Kedar Nath Banerjee, PhD; Professor Emeritus
Prof Ashley Braganza,
 PhD; Brunel Business School, London; Organisational
 Transformation, Adjunct Professor
Ms Andrea Wright, MA (Development Studies); Brown
 University, USA; Adjunct Faculty
Mr Sunil Thawani, Adjunct Professor
Brig Govind Singh Sisodia, Adjunct Professor
Mr Bhaskar MB Baruah, Advisor
Mr Rajendra Abhange, BE; Visiting Faculty
Mr Rajinder Sharma, LLB (Hons); Visiting Faculty
Mr Kamlesh Vyas, BE, MBA; Visiting Faculty
Mr S Sridhar, B Com (Hons), CA; Visiting Faculty
Dr Ritu Verma,
 PhD (Univ. Pennsylvania), MBA (Insead); Visiting Faculty
Mr Pratik Ved, MBA (IIM Ahmedabad); Visiting Faculty
Mr Judhajit Das, PGDPM & IR; Visiting Faculty
Ms Pooja Malik, PG (HRM); Visiting Faculty
Ms Arti Nihlani, PGDM (IIM Ahmedabad); Visiting Faculty
Mr Gaurav Mehta, MBA (Australian Graduate School of
 Entrepreneurship), B. Com; Visiting Faculty
Mr Ashish Khosla, PGDM (IIM Calcutta); Visiting Faculty
Dr Ashoo Khosla,
 PGDM (ISB Hyderabad), MBBS; Visiting Faculty
Mr Sumit Gupta, MBA; Visiting Faculty
Mr Pravesh Srivastava,
 PGDM (IIM Calcutta), BE (IIT Roorkee); Visiting Faculty
Mr Vijay Jasuja,
 MA (Economics); Adjunct Professor and Advisor
Mr Pradeep Sharma, MBA, PGDM & IR; Adjunct Professor
Mr Ashish Julka, Adjunct Professor
Mr Amit Khanna, Advisor and Adjunct professor

ACADEMIC PROGRAMMES

- ❖ BA (Hons) Economics
- ❖ BA (Hons) English
- ❖ BA Journalism & Mass Communication
- ❖ BBA
- ❖ B Com (Hons)
- ❖ B Sc Hospitality & Hotel Administration
- ❖ B Sc Yoga
- ❖ M Sc Yoga
- ❖ MA English Literature
- ❖ MBA
 - Finance
 - Biotechnology
 - Pharma & Healthcare
 - Marketing

- Human Resource (HR)
- ❖ MBA Executive (Part Time)
- ❖ PGDBM
- ❖ PhD Management (Business Management/
Environment Management)
- ❖ PhD Economics

BA (Hons) Economics

Eligibility: 10+2 (Any stream) with at least 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 30

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 50%.

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 30

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 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 30

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 55% marks

Duration: 6 semesters

Basis of Admission: Through Entrance Test of Shoolini University

No. of Seats: 120

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 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 120

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 Sc Hospitality & Hotel Administration

Eligibility: 10+2 (Any stream) with at least 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 60

This programme aims at developing young talent for the hotel industry and allied fields. It combines management theory with hands-on hospitality courses and professional internships. There is an ever growing demand for hotel management graduates in catering, hospitality and tourism industry within and outside the country. The graduates are also provided with skills to start their own ventures and become entrepreneurs.

B Sc Yoga

Eligibility: 10+2 (Any stream) with at least 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 60

B Sc Yoga programme provides in-depth knowledge to the students about yoga, its foundation, application and the benefits. Yoga is an ancient science, and a natural way of remaining fit and healthy. The course has been specially designed to meet the growing need of yoga instructors, professionals and researchers both at national and international levels. Several job opportunities are available for yoga professionals in various fields like educational institutions, health resorts, gymnasias, medical institutions and therapy centres. A great stress buster, yoga is gaining global popularity and there is a demand for trained yoga professionals in foreign countries.

M Sc Yoga

Eligibility: B Sc (any stream) with at least 50% marks

Duration: 4 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 30

M A English Literature

Eligibility: Graduation in any discipline with at least 50% marks & English as one of the subjects

Duration: 4 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 15

MBA (Specialisation: Marketing/Biotechnology/Pharma & Healthcare/Finance/HR)

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. Vacant seats, after exhausting the merit list of HPCMAT/ HPCET/ any National Level Test, are to be filled on the basis of merit of Bachelor Degree with candidates having at least 50% marks.

No. of Seats: 240

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 Executive (Part Time)

Eligibility: Bachelor's Degree (any discipline) with at least 50% marks; 3 years job experience in an organisation

Duration: 6 semesters

Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level. Vacant seats, after exhausting the merit list of HPCMAT/ HPCET/ any National Level Test, are to be filled on the basis of merit of Bachelor Degree with candidates having at least 50% marks.

No. of Seats: 15

The MBA Executive (Part time) programme provides the best option for working executives seeking to advance their careers. The course has been specially designed to meet the challenges and rigor of the new market place. It prepares functional managers for general management roles and fills the gap in their knowledge of essential management disciplines.



PGDBM

Eligibility: Bachelor's Degree (Any discipline) with at least 50% marks.

Duration: 2 semesters

Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level. Vacant seats, after exhausting the merit list of HPCMAT/ HPCET/ any National Level Test, are to be filled on the basis of merit of Bachelor Degree with candidates having at least 50% marks.

No. of Seats: 60

PGDBM is specially designed for individuals looking to take on larger critical roles in their organizations and businesses. This program differentiates itself in focusing on experiential learning through real business cases, experience sharing, role plays etc. The program content has been designed keeping industry insights on requirements of working executives. They need programs that provide the right flexibility to enable them to pursue their careers and education together and at the same time program should ensure a very high quality learning experience allows the executives to build up skills and specialize in either of the key functions-Marketing, Finance, Human Resource, the program is especially designed for the people having some work experience under their belt.

PhD Management

Eligibility: Master's degree in Business Management or any related discipline with at least 55% 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. of Seats: 08

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 55% 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. of Seats: 04

- ❖ Reservation of seats for Himachali/SC/ST/ physically handicapped/economically weaker section candidates as per the rules of Himachal Pradesh & Central Government
- ❖ Number of seats for Lateral Entry as per AICTE norms
- ❖ 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 rule
- ❖ Criteria for admissions to professional courses shall be in accordance with HP government Notification No. EDN (TE) F (10) 2/2018 dated 4th May 2018.

Faculty of Legal Sciences



PROF NARINDER GUPTA
Dean

Prof Gupta is former Professor of Law, Himachal Pradesh University. He possesses 30 years of teaching experience and is expert on constitution law, intellectual property law, labour law and company law. He has published 17 research papers in peer reviewed journals and participated in 13 regional and national conferences and seminars. Prof Gupta has guided research to 50 LLM and 7 PhD students. He has been visiting faculty/ resource person at HP Institute of Public Administration, HP University Academic Staff College and HP Cooperative Institute.

School of Law

As a law student at the School of Law, you will be exposed to legal principles in a wide array of topics and also learn analytical and critical-thinking skills from experienced legal practitioners, providing consultancies to law firms and corporate world. The School offers a great learning experience and a pathway to successful practicing or non-practicing legal career. Need for legal services in new areas of law such as cyber law, international business transaction law, intellectual property rights (IPR), health care and environmental laws, has opened unlimited career opportunities with competitive starting salaries.

FACILITIES

- ❖ Moot Court
- ❖ IT Centre
- ❖ e-Lab
- ❖ Language Lab
- ❖ Audio-Visual Room
- ❖ Mediation Hall
- ❖ Tutorial Rooms
- ❖ Conference Rooms
- ❖ Seminar Halls
- ❖ Video conferencing
- ❖ Online lectures

FACULTY MEMBERS

ADJUNCT PROFESSOR

Mr SS Thakur

former Hon'ble Justice of High Court of Himachal Pradesh

Prof NK Thakur, PhD (Law)

PROFESSOR

Dr Narinder Gupta PhD, LLM; Former Professor of Law, Himachal Pradesh University

ASSOCIATE PROFESSOR

Dr Nandan Sharma, PhD, LLM

ASSISTANT PROFESSORS

Mr. Chander Mohan Gupta, MBA LLM, M.Com

Ms Anupriya Thakur, LLB, PGDPM & LW

Mr Ramesh Kumar Sood, M Phil (Political Science)

Ms Monika Thakur, LLM

Ms. Sia Sharma, LLM

Mrs Monica Thakur, LLM

Dr Ashwani Sharma, PhD (Law); Guest Faculty

Mr Ajay Sipahiya, LLB; Guest Faculty

Mr Manav Bansal, LLB, MBA

Dr Kesari Singh, PhD (Economics)

Dr Poornima Bali, PhD (English)

Dr Supriya Shrivastav, PhD (Sociology)

Ms Jyoti Sharma, MA (Political Science)



ACADEMIC PROGRAMMES

- ❖ BA LLB*
- ❖ LLB

BA LLB*

Eligibility: Eligibility: 10+2 in any discipline with at least 50% marks

Duration: 10 semesters

Basis of Admission: Through Central/ State Level Entrance Test or any other recognised entrance test

No. of Seats: 60
(* sub judge)

Our BA LLB degree is a five year course which provides students advantage of completing two degrees simultaneously. It focuses academics combined with applied, practical and interdisciplinary perspectives, ensuring an understanding of law in all its contexts. The profession of law has changed dramatically in our country with vast opportunities beyond the court room to cope with tremendous financial activities including industry, media, information technology, Intellectual Property Rights, etc.

LLB

Eligibility: Graduation in any discipline with at least 50% marks;

Duration: 6 semesters

Basis of Admission: Through Central/ State Level Entrance Test or any other recognised entrance test

No. of Seats: 60

LLB is a three year course which deals with the various aspects of law and the Indian Penal Code (IPC). Students have a choice of specializing in civil or criminal law stream according to the interest at the end of the program. For judicial or legal practice, a professional is required to have passed the LLB degree which is the minimum criteria. The degree is not only a mere mode of employment, but also

CAREER PATHS

- ❖ Legal Practice • Law Firms • Judicial Administration
- ❖ Community Legal Services
- ❖ Public Interest Advocacy Groups
- ❖ Legal Consultancy
- ❖ Positions include Solicitor, Barrister, Attorney, Industrial Relations Officer, Immigration Officer, Tax Consultant and Officer, Legal Advisor
- ❖ Academics (Teaching & Research)

a way to show the responsibility towards the society and a means to stand for the human rights. The profession is considered as a prestigious one in the country, since it is the base of our constitution and an important tool for social reforms.

- ❖ Reservation of seats for Himachali/SC/ST/ physically handicapped/economically weaker section candidates as per the rules of Himachal Pradesh & Central Government
- ❖ Number of seats for Lateral Entry as per AICTE norms
- ❖ 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 rule
- ❖ Criteria for admissions to professional courses shall be in accordance with HP government Notification No. EDN (TE) F (10) 2/2018 dated 4th May 2018.

Faculty of Pharmaceutical Sciences



PROF DEEPAK KAPOOR

Dean

Dr. Deepak Kapoor got his PhD in Pharmaceutical Sciences from UGC-CAS, UIPS, Panjab University, Chandigarh. He has more than ten years of teaching, research and industrial experience. In industry, he has worked on formulation, and research and development for international regulated and domestic markets. Dr. Kapoor's key areas of extensive research represent development of novel drug delivery systems with a focus on nanoparticles, nanoemulsions, niosomes, liposomes, ethosomes, and implantable, topical and transdermal systems. He has various national and international publications in the form of a monograph series book, book chapters, and research and review articles. He has also filed patents on development of novel pharmaceutical formulations.

School of Pharmaceutical Sciences

School of Pharmaceutical Sciences is Ranked 30th among Top Pharmacy Colleges in India in NIRF Ranking 2018 by the Ministry of Human Resource Development, GOI. It focuses on excellence in teaching, promoting lifelong-learning and preparing students for challenges in the field of pharmacy, committed to produce quality human resource as per the requirements of the industry and community for the welfare of the people and to build national healthcare system. It is approved by AICTE and PCI and has Memorandum of Understandings/collaborations with several reputed multinational pharmaceutical industries for the student internship/training and research activities. It is fascinated with highly qualified and experienced faculty including PhDs who enjoy national and international reputation for research and education. In addition to teaching and research, our faculty members are also involved in professional activities such as consultative services for pharmaceutical industry, clinical pharmacy practice, drug information services, and analysis of traditional remedies.

The National Conference on 'Drug Discovery, Development and Clinical Trials'; National Seminar on 'Importance of Cell Lines in Pharmaceutical Research in India' and 'An Interface for bridging the skill gap between Industry & Academia'; National Conference on 'Research Trends in Future Drug Development: Exploration of Aromatic Flora'; Workshops on 'Emerging Trends in Pharmacological Education & Research'; Celebration of World Pharmacist Day and 'Pharma-Sprint' are some of the important events organised at the School.

- ❖ Sustainable utilization of Himalayan biodiversity
- ❖ Biological potential of natural products for treating human diseases and disorders
- ❖ Formulation and 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 a 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.

The School has research projects from DST, ICMR, DRDO and INMAS. In addition, the School has Industrial projects from Meridian Medicare Ltd and Tirupati Medicare Ltd.

ACADEMIC & RESEARCH SCHOLARSHIPS

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

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

FACULTY MEMBERS

ADJUNCT PROFESSORS & VISITING FACULTY

Dr Koushik Das Sarma

PhD, Post Doc from USA; Adjunct Professor

Dr Amarjeet Singh

PhD (Pharmaceutical Chemistry); Adjunct Professor

Dr Jagattarana Das, PhD

PhD; Adjunct Professor

Dr Gaurav Sahay, PhD; Adjunct Professor

Dr VK Kapoor, PhD; Adjunct Professor

Dr Paras Parkash, PhD; Adjunct Professor

Dr Kamal Dua, PhD; Visiting Faculty

Mr Sumit Gupta, MBA; Visiting Faculty

PROFESSORS

Dr Deepak Nandkishore Kapoor; PhD; Pharmaceutics

Dr ML Vaidya; MBBS, Former Joint Director, HP Health Services; Medicine

Dr Rohit Goyal, PhD; Pharmacology

ASSOCIATE PROFESSORS

Dr Poonam Negi, PhD, GPAT

Dr Uma Ranjan Lal, PhD; Natural Products

Dr Gurjat Kaur, PhD

ASSISTANT PROFESSORS

Dr Deepak Kumar, PhD

Mr Navneet Kumar Upadhyay

M Pharmacy; Quality Assurance

Ms Swati Pundir, M Pharm; Pharmacognosy

Mr Gaurav Sharma, M Pharm; Pharmacology

Ms Hemlata Kaurav, M Pharm, GPAT; Pharmaceutics

Dr. Gunjan Goel, MBBS

Dr Raveena Chauhan, PhD Post Baccalaureate

Dr Bharat P. Dwivedee, PhD

Dr Ashutosh Kuamr Dash, Phd

Ms Devika Rana, M Pharm, GPAT, GATE

Ms Aditi Sharma, M Pharm, GPAT

Ms Pratibha Sharma, M Pharm, GPAT

Mr Lalit Sharma, M Pharm

Mr Abhishek Kumar Sharma, M Pharm, GPAT

Ms Akshita Jindal, M Pharm, GPAT

Ms Chetana Kumari, M Pharma, GPAT

Ms Radha Rani, M Pharma, GPAT

Ms Babita Patial, M Pharma, GPAT

Mr Harish Kumar, B Pharmacy

Mr Sharad, MS Information Technology(App Development)

ACADEMIC PROGRAMMES

- ❖ B Pharmacy
- ❖ B Pharmacy(Lateral Entry)
- ❖ B Pharmacy (Practice)
- ❖ M Pharmacy
 - Pharmaceutics
 - Pharmacology
 - Pharmaceutical Chemistry
- ❖ PhD

B Pharmacy

Eligibility: 10+2 (PCB/PCM)

Duration: 8 semesters

Basis of Admission: Merit of HPCET or any other equivalent test followed by Personal Interview. Vacant seats, after exhausting the merit list of HPCET, are to be filled on the basis of merit of 10+2 with candidates having at least 50% marks.

No. of Seats: 100

B Pharmacy (Lateral Entry)

Eligibility: Diploma in Pharmacy with 50% marks from an institution approved by Pharmacy Council of India

Basis of Admission: By merit of qualifying examination

No of seats: As per PCI /AICTE/ UGC norms

We focus on imparting quality education with skilled practical efficiency pertaining to the pharmaceutical sciences 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 pharmaceutical industries. The curriculum also includes an industrial training in a pharmaceutical company.

B Pharmacy (Practice)

Eligibility: Diploma in Pharmacy with 50% marks from an institution approved by the Pharmacy Council of India, and registered as pharmacist with Pharmacy Council and with minimum of four years' of pharmacy practice in a community or hospital.

Duration: 4 semesters

Basis of Admission: Merit of qualifying examination

No. of Seats: 40

The course, approved by Pharmacy Council of India, seeks to enhance professional skills, knowledge and status of pharmacy professionals who have a diploma in pharmacy and are registered as pharmacists with their respective state Pharmacy Councils. It offers an excellent opportunity for diploma holders who wish to upgrade themselves to

graduate level and learn about the latest practices in pharmacy. The additional degree qualification obtained by pharmacist may be entered in the official register of pharmacists.

M Pharmacy (Pharmaceutics)

Eligibility: B Pharmacy from an institution approved by the Pharmacy Council of India

Duration: 4 semesters

Internship: One semester in pharmaceutical industry/ analytical laboratory for professional experience

Basis of Admission: Through GPAT/HPCET or any other recognised entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of HPCET/ any National Level Test, are to be filled on the basis of merit of B Pharmacy with candidates having at least 50% marks.

No. of Seats: 18

Students are given extensive theoretical and practical knowledge about the various aspects of pre-formulation 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 guidelines. Exposure of students to sophisticated analytical techniques like UV, IR, HPLC, NMR, Mass spectroscopy is an integral part of curriculum. Second year is dedicated to project work of industrial and commercial applicability.

M Pharmacy (Pharmacology)

Eligibility: B Pharmacy from an institution approved by the Pharmacy Council of India

Duration: 4 semesters

Internship: One semester in pharmaceutical industry/ analytical laboratory for professional experience

Basis of Admission: Through GPAT/HPCET or any other recognised entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of HPCET/ any National Level Test, are to be filled on the basis of merit of B Pharmacy with candidates having at least 50% marks.

No. of Seats: 18

First two 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 students knowledgeable, skilled and competent for their future endeavors. During last 2 semesters of the programme, students are encouraged to carry out novel pharmacological researches for thesis and to get it published or patented.

M Pharmacy (Pharmaceutical Chemistry)

Eligibility: B Pharmacy from an institution approved by the Pharmacy Council of India

Duration: 4 semesters

Internship: One semester in pharmaceutical industry/ analytical laboratory for professional experience

Basis of Admission: Through GPAT/HPCET or any other recognised entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of HPCET/ any National Level Test, are to be filled on the basis of merit of B Pharmacy with candidates having at least 50% marks.

No. of Seats: 18

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.

PhD Pharmaceutical Sciences

Eligibility: Master's degree in Pharmacy with at least 55% 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. of Seats: 08

First and second semesters comprise of 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.

- ❖ Reservation of seats for Himachali/SC/ST/ physically handicapped/economically weaker section candidates as per the rules of Himachal Pradesh & Central Government
- ❖ Number of seats for Lateral Entry as per AICTE norms
- ❖ 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 rule
- ❖ Criteria for admissions to professional courses shall be in accordance with HP government Notification No. EDN (TE) F (10) 2/2018 dated 4th May 2018.

Faculty of Basic Sciences



PROF ADESH SAINI
Dean

Dr Saini received his PhD from University of Delhi for his research on understanding pathogenesis of Mycobacterium tuberculosis, which causes the dreadful disease of TB. He was awarded a Post-doc Fellowship at NICHD, National Institutes of Health, Bethesda, USA, to work with Dr Alan G Hinnebusch from 2006-2011. The key focus of his post-doc research was precisely to unravel intricacies of protein synthesis regulation in active collaboration with John Hopkins Medical School, Baltimore, USA.

The focus of Dr Saini's Laboratory of Gene Regulation is in the specific area of redox biology by using yeast and mammalian cells. Cellular redox imbalance is one of the leading causes of cancer and other diseases. Other thrust areas of research are: role of proteins in balancing the levels of free radicals in cells by using genetics, molecular biology, biophysics and chemistry; role of yoga interventions for maintaining redox health of cells.

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. Graduate and post-graduate students are required to undertake research/ projects.

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)

FACULTY MEMBERS

PROFESSOR OF EMINENCE/ ADJUNCT & VISITING FACULTY-

Dr IS Dua; PhD, Adjunct Professor

Ms Shashi Sehgal, Adjunct faculty

Prof PS Kalsi, PhD; Professor of Eminence

Dr RC Rana, PhD; Professor of Eminence

Dr AK Sharma, PhD; Professor of Eminence

Dr AN Kaushal, PhD; Professor of Eminence

Mr ML Sharma, BE; Visiting Professor

Prof SK Sharma, PhD; Visiting Professor

Prof SS Bari, PhD; Visiting Professor

Prof Suman Bala Beri, PhD; High Energy Physics

Dr Harrison B Prosper, PhD; High Energy Physics

Prof Mahabvir Singh, PhD; Materials Science

Dr Bhawandeep, PhD; Post Doc Fellow

PROFESSORS**Prof PK Khosla**

PhD, Post-doc Oxford; Former VC HP Agricultural University; Botany

Dr JM Julka

PhD; Former Visiting Fellow Smithsonian Institution, USA; Former Joint Director & Emeritus Scientist, ZSI; Environment Biology, Zoology

Prof Sunil Puri

PhD, Post-doc Oxford; Former Director Higher Education, Indira Gandhi Agricultural University, Raipur; Botany

Prof Adesh K Saini

PhD; Post Doc NICHD, National Institutes of Health USA

ASSOCIATE PROFESSORS

Dr Aniruddha Mitra, PhD, Fellow Institute of Advanced Research, Berlin; Post doc French National Centre for Scientific Research; Zoology

Mr Ramanand Chauhan, M Sc, Chemistry

Dr Neeraj Gupta, PhD, NET; Post Doc; Organic Chemistry

Dr Pankaj Thakur, PhD, Post Doc; Physical Chemistry

Dr Rajesh Sharma, M Phil, PhD, NET; Energy

ASSISTANT PROFESSORS

Dr Amit Kumar, PhD, NET; Physical Chemistry

Dr Gaurav Sharma, PhD; Organic Chemistry

Dr Pradeep Singh, PhD; Physical Chemistry

Dr (Mrs) Pankaj Raizada, PhD; Inorganic Chemistry

Dr Deepika Jamwal, PhD; Inorganic Chemistry

Dr Sourabh, PhD Inorganic Chemistry

Dr Joydeep Das, PhD, NET, JRF; Organic Chemistry

Dr Virender Pratap Singh, M Phil, PhD, MTech; Solid State Physics

Dr Anirban Saha, PhD, Post Doc; Physics

Dr Rakesh Kumar Shukla, PhD; Statistics

Dr Mamta Shandilya, PhD; Nanophysics

Dr Mamta Sharma, PhD; Botany

Dr Rachna Verma, M Phil, NET; Botany

Dr Amita Kumari, PhD, NET; Botany

Dr Shreya Jamwal, PhD, SET; Zoology

Dr Shankharoop Ghoshal, PhD, NET JRF; Env Sciences

Dr Manoj Kumar, PhD, NET, GATE; Zoology

Ms Shailja Kumari, NET JRF, M Phil PhD (Pursuing); Zoology

Dr Prerna Bhardwaj, PhD; Botany

Mr Raj Kumar, M Sc. NET JRF; Physical Chemistry

Ms Ashima Dogra, M.Sc, PhD Pursuing; Chemistry

Mr Tokuma Getahun, M.Sc, PhD Pursuing; Chemistry

Mr AD Jara, M Sc (Ethiopia), PhD Pursuing; Materials Science

Mr Pawan Kumar, M Phill PhD Pursuing; Physics

Ms Shalini Sharma, M Phil; PhD Pursuing; Botany

Mr Somvir Singh, M Phil; PhD Pursuing; Botany

Ms Radha, M Phil; PhD Pursuing; Botany

Mr. Kasahun Gudeta Gutema, M Sc. PhD Pursuing; Zoology

TEACHING/RESEARCH ASSISTANT

Mr. Bipen Singh, M.Sc. Teaching Assistant; Physics

Mr. Ateendra Pande, M.Sc. Research Assistant; Physics

ACADEMIC PROGRAMMES

- ❖ B Sc (Hons) Botany
 - ❖ B Sc (Hons) Zoology
 - ❖ B Sc (Hons) Chemistry
 - ❖ B Sc (Hons) Physics
 - ❖ Integrated B Sc (Hons) – M Sc (Elite)*
 - ❖ M Sc Botany
 - ❖ M Sc Zoology
 - ❖ M Sc Environmental Sciences
 - ❖ M Sc Chemistry
 - ❖ M Sc Physics
 - ❖ M Phil Botany
 - ❖ M Phil Zoology
 - ❖ M Phil Environment Sci.
 - ❖ M Phil Chemistry
 - ❖ M Phil Physics
 - ❖ PhD Botany
 - ❖ PhD Zoology
 - ❖ PhD Environment Sci.
 - ❖ PhD Chemistry
 - ❖ PhD Physics
- (* sub judice)

PROGRAMMES IN BIOLOGICAL & ENVIRONMENTAL SCIENCES**B Sc (Hons) Botany**

Eligibility: 10+2 (PCB) with minimum 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 30

B Sc (Hons) Zoology

Eligibility: 10+2 (PCB) with minimum 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 30

Integrated B Sc (Hons) - M Sc (Elite) (Specialization: Physics/Chemistry/Mathematics/Botany/Zoology)

Eligibility: 10+2 (PCB/ PCM)

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 OR have secured in the Joint Entrance Test of IIT top 10,000 ranks, JEE (top 10,000 ranks) plus those clearing AIPMT (top 10,000 ranks); All Kishore Vaigyanik Protsahan Yojana (KVPY) Fellows, National Talent Search Examination (NTSE) Scholars, International Olympiad Medalists and Jagadish Bose National Science Talent Search (JBNSTS) Fellows.

II. Non-Scholarship Seats: Minimum Marks 70%

Duration: 10 semesters

Basis of Admission: By merit of qualifying examination

Elite programme with provision of liberal scholarships under

INSPIRE Scheme of Department of Science & Technology, Govt. of India. Shoolini University will provide financial assistance of Rs. 10,000/- per annum for SHE scholarship holders towards hostel expenses.

No. of Seats: 30

M Sc Botany

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

Duration: 4 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 60

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 M Phil/PhD programme.

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.

No. of Seats: 60

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 Sc 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: By merit of qualifying examination

No. of Seats: 30

M Phil Botany

Eligibility: M Sc in concerned or related subject; minimum marks 55%.

Duration: 2 semesters

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

No. of Seats: 08

M Phil Zoology

Eligibility: M Sc in concerned or related subject; minimum marks 55%.

Duration: 2 semesters

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

No. of Seats: 08

M Phil Environmental Sciences

Eligibility: M Sc in concerned or related subject; minimum marks 55%.

Duration: 2 semesters

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

No. of Seats: 08

PhD Botany

Eligibility: M Sc in concerned or related subject; minimum marks 55%.

Duration: 6 semesters

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

No. of Seats: 06

PhD Zoology

Eligibility: M Sc in concerned or related subject; minimum marks 55%.

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. of Seats: 06

PhD Environment Science

Eligibility: M Sc in concerned or related subject; minimum marks 55%.

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. of Seats: 04

PROGRAMMES IN CHEMISTRY

B Sc (Hons) Chemistry

Eligibility: 10+2 (PCM/ PCB) with minimum 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 40

M Sc Chemistry/Pharmaceutical Chemistry

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

Duration: 4 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 85

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 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 & magne-to 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 Phil Chemistry

Eligibility: M Sc in concerned or related subject; minimum marks 55%.

Duration: 2 semester

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

No. of Seats: 08

PhD Chemistry

Eligibility: M Sc in concerned or related subject; minimum marks 55%.

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. of Seats: 10

PROGRAMMES IN MATERIALS SCIENCE AND PHYSICS

B Sc (Hons) Physics

Eligibility: 10+2 (PCM/ PCB) with minimum 50% marks

Duration: 6 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 30

M Sc Physics

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

Duration: 4 semesters

Basis of Admission: By merit of qualifying examination

No. of Seats: 40

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, electro-dynamics, 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 Phil Physics

Eligibility: M Sc in concerned or related subject; minimum marks 55%

Duration: 2 semesters

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

No. of Seats: 08

PhD Physics

Eligibility: M Sc in concerned or related subject; minimum-marks 55%.

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.

No. of Seats: 06

- ❖ Reservation of seats for Himachali/SC/ST/ physically handicapped/economically weaker section candidates as per the rules of Himachal Pradesh & Central Government
- ❖ Number of seats for Lateral Entry as per AICTE norms
- ❖ 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 rule
- ❖ Criteria for admissions to professional courses shall be in accordance with HP government Notification No. EDN (TE) F (10) 2/2018 dated 4th May 2018.

Faculty of Agriculture



PROF YS NEGI
Dean

An agricultural and natural resource economist by interest and training, Prof. Negi has his PhD from the University of California, Berkeley. He is a well known teacher and researcher and has handled a number of projects in the field of agriculture, natural resource economics and agribusiness management. Before joining Shoolini University Prof. Negi also served at the Agro-economic Research Centre, Shimla, HPKV, Palampur, and Dr YS Parmar University, Nauni, Solan. He has been on different committees as a socio-economic expert at IIHS (UGC centre of excellence) HP University; ICFRE, Dehradun, HFRI, Shimla.

The Faculty of Agriculture aims to instil in our graduates a variety of technical and managerial skills to prepare them to take challenges of the fast changing field of agriculture. The four year graduate degree programme of the Faculty is being run as per the guidelines of the Indian Council of Agricultural Research. Students have the option to choose electives in the second year of the programme. Course modules like Rural Agriculture Work Experience & Agro-industrial Attachment and the experiential learning programme give the students a hands-on experience and confidence to face the real life challenges in their agri-entrepreneurial endeavours.

Growth and development of agriculture is important for overall economic development as the expansion of market for industrial goods and services hinges on agriculture growth. Agriculture would continue to require trained human resource in its various sub-disciplines, especially scientific agriculture. Agri-graduates would thus have a variety of career choices with lucrative compensation packages.

CAREER PATHS

- ❖ Agriculture Officers (Govt., banks)
- ❖ Consultants/ extension officers (Govt., NGOs, INGOs, industry, etc.)
- ❖ Higher studies (teaching & research)
- ❖ Watershed Managers
- ❖ Sales and Service Representative (agri-firms)
- ❖ Marketing and e-marketing specialists
- ❖ Agripreneurs (nursery raising, beekeeping, mushroom cultivation, precision agriculture, etc.)

School of Agriculture

Being an agro-based economy, India has made rapid strides in agriculture sector. Efforts are being made to improve food production in the country and doubling farmer's income through diversified farming coupled with product processing. The need is to associate processing units along with the farm produce so that the farmers, particularly in hilly areas, are able to raise their economic status. Modern agriculture practices, however, have emerged as highly knowledge based systems. Accordingly, our farmers require agriculture education at all levels so that they are better equipped to handle various challenges, especially that of globalization. We are committed to produce able agriculture scientists and engineers, who are well equipped to meet the challenges of climate change and nascent second green revolution.

FACULTY MEMBERS

ADJUNCT FACULTY

Prof SC Tewari, PhD

Prof DR Sharma, PhD

PROFESSORS

Prof Y S Negi, PhD; Agriculture Economics, USA

Prof GK Sharma, PhD; Agro Forestry

Prof Satish Kumar Gupta, PhD (Plant Pathology)

Prof Krishan Kumar, PhD (Horticulture)

ASSOCIATE PROFESSORS

Dr Somesh Sharma, PhD NET

Dr Aniruddha Mitra, PhD (Entomology)

ASSISTANT PROFESSORS

Dr Lobzang Stanzen, PhD; Agronomy

Dr. Parvani Sharma, PhD (Agriculture Extension Education)

ACADEMIC PROGRAMMES

B Sc (Hons) Agriculture

Eligibility: 10+2 (PCB/ PCM) with 50% marks

Duration: 8 semesters

Basis of Admission: As per HP Government/ICAR guidelines

No. of Seats: 60

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 organisations. 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.

- ❖ Reservation of seats for Himachali/SC/ST/ physically handicapped/economically weaker section candidates as per the rules of Himachal Pradesh & Central Government
- ❖ Number of seats for Lateral Entry as per AICTE norms
- ❖ 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 rule
- ❖ Criteria for admissions to professional courses shall be in accordance with HP government Notification No. EDN (TE) F (10) 2/2018 dated 4th May 2018.



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.

Hostels

Admission to the hostels 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 guest houses with good antecedents.

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

- ❖ The right of admission to the hostels is reserved.
- ❖ Admission to the hostels will be open at the beginning of the session.
- ❖ 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 Dean Resident Students (DRS) regarding proper conduct and regular payment and dues of hostel, mess, and canteen in case of ex residents.
- ❖ 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, who are advised to take out an insurance against theft and fire. The management will not be responsible for any loss.

- ❖ 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.
- ❖ 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.
- ❖ In case of non-payment of dues or violation of any one of the hostel rules by a resident, the DRS may get his/her room locked/vacated.
- ❖ 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 / university.
- ❖ Use of electrical appliances, other than permitted ones, is strictly prohibited in the hostel.
- ❖ 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.
- ❖ 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.
- ❖ Students are not allowed to carry mess plates in their rooms. Food will be served in the room only if a student is sick, on depositing Identity card.
- ❖ Hostel allotment is for one year. A student cannot leave the hostel in mid semester.
- ❖ During summer break, all students have to vacate the rooms and put their belongings in cloak rooms.
- ❖ Hostel fee is subject to revision.
- ❖ Students have to keep their rooms neat and clean. Their rooms will be inspected by wardens periodically.
- ❖ Washing of clothes (except under clothes) in the hostel is prohibited. Laundry services are provided and are to be used by the students.
- ❖ Parents/Visitors are not allowed entry beyond the designated area or visiting room as it shall disturb other students.
- ❖ Possession, distribution and consumption of alcohol, prohibited drugs, chew able tobacco, smoking in the hostel complex is not allowed.
- ❖ Students will follow proper channels for getting their problems addressed.
- ❖ Parents, friends and visitors are not permitted to stay in resident's room.

- ❖ No resident shall remain absent from the hostel during night without written permission of the warden.
- ❖ 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.
- ❖ If a student residing in the hostel abstains from the classes without bonafide reasons, he/she shall be asked to quit the hostel.
- ❖ Hostel charges are to be deposited for the whole academic year at the time of admissions. 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.
- ❖ Failure to comply with the hostel rules may result in a fine up to Rs 1,000 or 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.
- ❖ Disrespect to DRS Supritendents, Chief Warden & hostel wardens will lead to expulsion from the hostel.

Dates for the payment of all fees & other charges

- ❖ First semester (new admissions) at the time of admissions
- ❖ Subsequent semesters
2nd / 4th /6th /8th sem: 1-15 December each year
3rd /5th /7th sem: 1-15 May each year
- ❖ Late fee of Rs 50/- per day will be charged if the fees are not paid by due date (vide Dept of Higher Education, Govt of HP notification No. EDN-A-Kha(9)-15/2018-Fee, dated 7th April, 2018)

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

As per UGC norms the refund of fees will be as follows:

%age of refund of aggregate fees	Point of time when notice of withdrawal of admission is served
90 %	15 days before the formally notified last date of admissions
80 %	Not more than 15 days after the formerly notified last date of admissions
50 %	More than 15 days but less than 30 days after formerly notified last date of admissions
00 %	More than 30 days after formally notified last date of admissions

Dress Code

Shoolini University has made it mandatory for all undergraduate students to follow a proper dress code, at least on three specified days in a week. Both boys and girls wear white shirt, gray rousers, 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.

ANTI-RAGGING COMMITTEE

Members	Phone Numbers
Prof Poonam Nanda, Convener	082194-43632
Ms Rita, Hostel Superintendent	092183-01018
Mr Praveen Vasisht, Co-Convener	098160-34277
Dr (Mrs) Mamta Sharma Assistant Prof (Botany)	070185-78162
Col TPS Gill, Director Operations	099888-53703
Mr Lalit, Hostel Warden	094181 - 75744
SDM Solan (Nominee of District Admn.)	0179-2223707
Dr Neeraj Gandotra, Chief Warden	094182-74612

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.

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

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. This standing of law is notified in the case of Bharathidasan University vs AICTE.

NAAC ACCREDITED

B ++ Grade from National Assessment and Accreditation Council, Bangalore

How to Apply for Admission?

- ❖ The First Step is to satisfy yourself about your eligibility for the course you have chosen to pursue at the Shoolini University.
- ❖ 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.
 - By Post:** A candidate can send a request at 'Shoolini University, Post Box 9, The Mall, Solan.
 - Online:** Download FREE at www.shooliniuniversity.com
- ❖ Submit the duly filled Admission Form available in prospectus 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).

- ❖ Attach self-attested photocopies of all academic certificates, testimonials and 3 passport size photographs with the Admission Form.

Jurisdiction

In case of any dispute, decision of the Registrar of Shoolini University will be final & the territorial jurisdiction for any legal action shall be limited to Solan (Himachal Pradesh) only.

How to reach?

By Road: Well-connected by an extensive network of roads. Solan can be reached conveniently, by a taxi or bus from Delhi, Chandigarh and Kalka.

By Air: The nearest airports are at Chandigarh and Shimla

By Rail: The nearest board gauge railway station is at Kalka, while the closest narrow gauge rail station is at Solan.

Fee Structure

FEE STRUCTURE PROPOSED FOR ACADEMIC YEAR (2019-20)	Annual Tuition Fee
B Tech	1,37,800
BBA, B Com (Hons), BA (Hons) Economics	74,200
B Pharmacy	1,06,000
B Pharma (Practice)	53,000
BA (Hons) English	53,000
BA Journalism & Mass Communication	58,300
BA (Hons) Mathematics	74,200
B Sc (Hons) Biotech/ Microbiology/ Botany/ Physics/ Chemistry/ Zoology/ Food Technology	74,200
B Sc (Hons) Mathematics	74,200
B Sc (Hons) Agriculture	84,853
B Sc (Hons) Forestry	74,200
B Sc Yoga	58,300
B Sc Hospitality & Hotel Administration	1,06,000
Integrated B Sc (Hons) & M Sc	74,200
M Sc Biotechnology/ Microbiology/ Food Technology	1,06,000
M Sc Botany/Zoology/Chemistry/Physics/ Pharmaceutical Chemistry/ Environmental Sciences	95,400
MA/ M Sc Mathematics/ English	74,200
M Sc Yoga	74,200
BA LLB	95,400
LLB	1,32,500
MBA	1,90,800
MBA (Executive) – 3 yrs Part Time	2,65,000
PGDBM – 1 yr	3,02,100
M Pharmacy	1,27,200
M Tech	1,27,200
M Phil Biotech/Microbiology/Zoology/Chemistry/Environmental Sciences	1,06,000
M Phil Botany	1,37,800
M Phil Physics	1,33,030
PhD (CE/ ME/CSE/Economics/Management /Maths)	1,06,000
PhD (Botany/Chemistry/Physics/Zoology/Biotech/Microbiology/Food Tech/Pharmaceutical Sciences/ Environmental Sciences)	1,37,800

REMARKS: 1 Refundable Caution Money of Rs 10,000 is to be deposited for each course; 2 Additional 1% of tuition fee shall be payable as PERC Fund charges.

Courses & Number of Seats

The Hon'ble High Court of Himachal Pradesh, vide its order dated 07.05.2018, passed in CWP No. 656 of 2018, has Prima Facie, found in favour of the University and as such the University has been permitted to offer 83 number of seats, in addition to 41 seats in the PhD courses. However, the additional seats are being offered subject to the final decision in CWP 656 of 2018, pending in the High Court.

Similarly, the Hon'ble High Court of Himachal Pradesh, vide its order dated 07.05.2018, passed in CWP No. 678 of 2018 has Prima Facie, found in favour of the University and as such, we have been permitted to offer the following seats and courses detailed herein below:-

A. INCREASED SEATS

- ❖ **05** number of seats, in addition to 41 seats in the PhD Management Sciences course.
- ❖ **03** number of seats, in addition to 41 seats in the PhD Mechanical Engineering course.
- ❖ **03** number of seats, in addition to 41 seats in the PhD Civil Engineering course.
- ❖ **02** number of seats, in addition to 41 seats in the PhD ECE course.
- ❖ **02** number of seats, in addition to 41 seats in the PhD CSE course.
- ❖ **08** number of seats, in addition to 41 seats in the PhD Pharmaceutical Sciences course.
- ❖ **14** number of seats, in addition to 41 seats in the PhD Biotechnology course.
- ❖ **06** number of seats, in addition to 41 seats in the PhD Microbiology course.
- ❖ **03** number of seats, in addition to 41 seats in the PhD Food Technology course.
- ❖ **08** number of seats, in addition to 41 seats in the PhD Botany course.
- ❖ **02** number of seats, in addition to 41 seats in the PhD Zoology course.
- ❖ **02** number of seats, in addition to 41 seats in the PhD Environmental Sciences course.
- ❖ **10** number of seats, in addition to 41 seats in the PhD Chemistry course.
- ❖ **09** number of seats, in addition to 41 seats in the PhD Physics course.
- ❖ **02** number of seats, in addition to 41 seats in the PhD English course.
- ❖ **04** number of seats, in addition to 41 seats in the PhD Yoga course.

B. ADDITIONAL COURSES AND SEATS

Vide the aforementioned order, we have also been permitted to offer the following number of seats in the additional courses detailed herein below.

- ❖ **10** number of seats, in the Integrated B. Sc. (Hons) – M.Sc. Biotechnology course.
- ❖ **10** number of seats, in the Integrated B. Sc. (Hons) – M.Sc. Microbiology course.
- ❖ **10** number of seats, in the Integrated B. Sc. (Hons) – M.Sc. (Elite Programme)
- ❖ **60** number of seats, in the BALLB course.

However, the additional courses and the seats for admission offered are subject to the final decision of the Hon'ble High Court in CWP No. 678 of 2018.



H.P. PRIVATE EDUCATIONAL INSTITUTIONS REGULATORY COMMISSION (HP-PERC)

HAPPY NEST BUILDING, BELOW BCS, KAGNADHAR, NEW SHIMLA - 171009

TEL. 0177- 2673664, TELE FAX.+91-177-2673663

EMAIL-secy-perc-hp@nic.in WEBSITE: <http://hp.gov.in/hpperc>

NOTICE

It is mandatory under the **HIMACHAL PRADESH PRIVATE EDUCATIONAL INSTITUTIONS (REGULATORY COMMISSION) ACT, 2010** that all the Private Higher Educational Institutions including Universities & Colleges in the State shall offer approved courses, make admissions on merit, charge fees as approved by the State Govt, conduct fair examination/evaluation and adhere to the relevant regulatory body norms regarding faculty and infrastructure.

Any **violation of the norms** by the private educational Institutions **will attract penal provisions** under section 11 of the Act *ibid*.

For **grievances/complaints** concerning any academic or administrative lapse(s), such as overcharging of fees, admission in contravention of norms, malpractices in teaching and examinations, and deficiencies in faculty and infrastructure please contact the **Secretary/Public Grievance Officer, HP-PERC** at the above address through email/fax/by post along with relevant supporting documents, if any, for taking necessary action.

Helpline No	0177-2673664
Email	secy-perc-hp@nic.in; regulation-perc-hp@nic.in
Tele Fax	0177-2673663

BY ORDER
CHAIRMAN

Shoolini University of Biotechnology & Management Sciences

Main Campus: Oachghat - Kumarhatti Road, Dist Solan, HP - India

City Office: The Mall, Solan - 173212, HP - India

Mailing Address: Post Box No. 9, Solan - 173212, HP - India

Phone/Fax: +91-1792-308000

For Admission, Call: +91 96252-33301, 96252-33302, 96252-33303

or email us at: admissions@shooliniuniversity.com

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