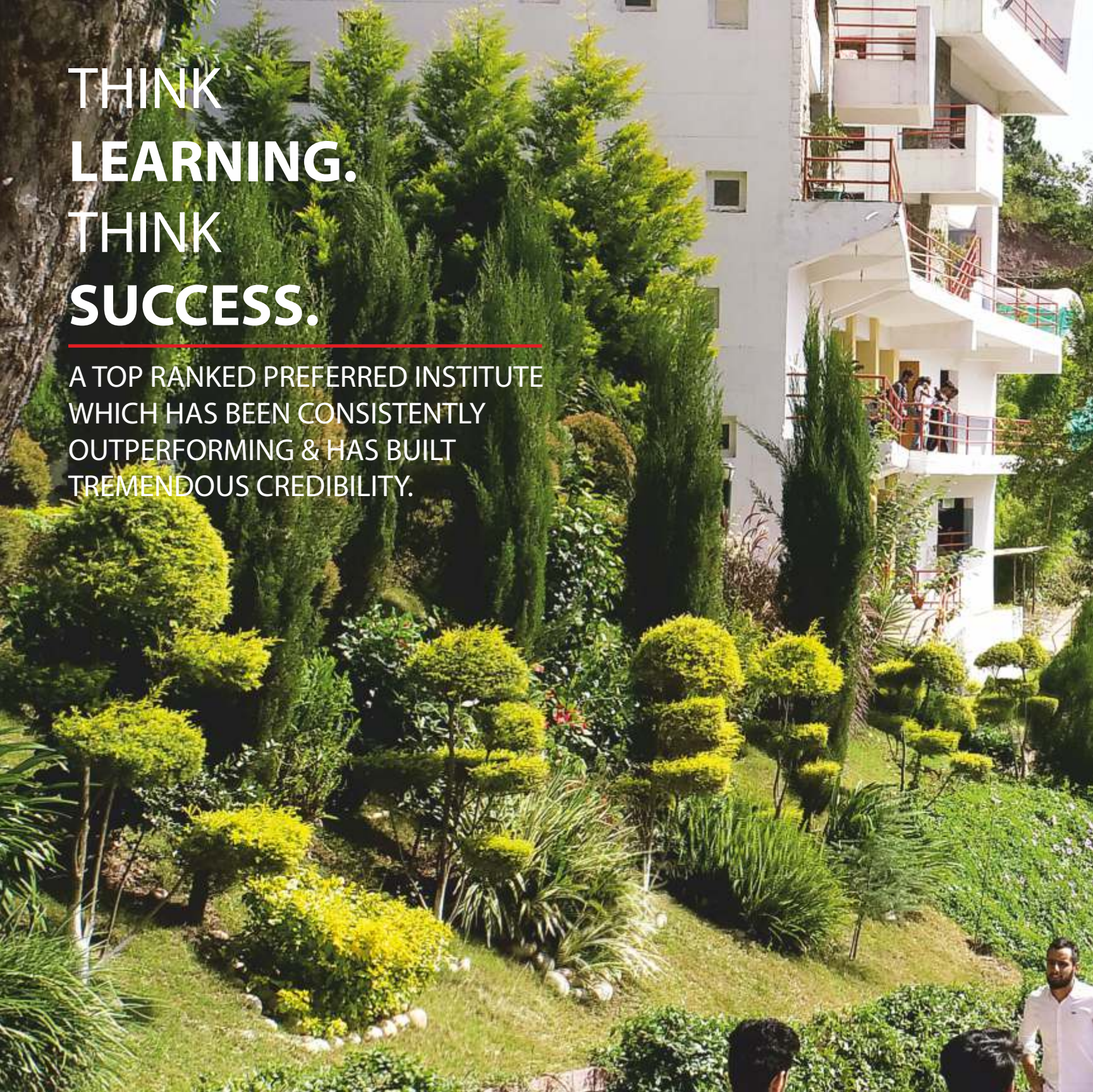
10 YEARS
OF INNOVATION
& EXCELLENCE

Shoolini University

wwwshooliniuniversity.com

university prospectus 2020



THINK **LEARNING.** THINK **SUCCESS.**

A TOP RANKED PREFERRED INSTITUTE WHICH HAS BEEN CONSISTENTLY OUTPERFORMING & HAS BUILT TREMENDOUS CREDIBILITY.

KEEP
CAMPUS CLEAN
Levi's

Vice Chancellor's Message

Welcome to a University Synonymous with Excellence

Dear Students and Parents

We are in the league of Top 150 universities and Top 200 overall in India in NIRF Rankings 2020, Ministry of Human Resource Development, Government of India. Our School of Pharmaceutical Sciences figures among Top 39 pharmacy colleges and Engineering among Top 112 engineering colleges in the country, and MBA programme is clubbed in 76-100 band of top business schools. Our achievements outclass the average of 10 best NIRF-2020 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, masters and doctoral degrees.

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 80+ 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.

Prof Prem Kumar Khosla
Founder & Vice Chancellor

Prof Prem Kumar Khosla
Founder and Vice Chancellor

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 its biotechnology policy.

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Introduction

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, and 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 215 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. Best practices I on-line education are being followed.

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 practicals).

2. Postgraduate students have to pass in theory and practical examinations separately.

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

Undegraduate & 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/ Food Technology/ Mechanical Engineering/ Civil Engineering/ CSE/ ECE/ Energy/ Disaster Management/ English/ Management Sciences/ Human Resource/ Economics/ Yoga/ Legal Sciences/ Pharmaceutical Sciences/ Botany/ Genetics/ Environmental Sciences/ Zoology/ Environmental Sciences/ Chemistry/ Physics/ Mathematics

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

FOR PhD STUDENTS ADMITTED IN ACADEMIC YEAR 2020-21

In view of our research focus, Shoolini University is pleased to announce various scholarships for PhD students of academic year 2020-21. Scholarships are designed in a manner to involve and benefit maximum number of students during their PhD Programme at Shoolini University. The details are as follows:

1.NET QUALIFIED STUDENTS

NET qualified candidates can be appointed as Assistant Professor/ Teaching Associate/ Research Associate on a fixed salary of Rs 21,600/- for three years only. Fee will be payable as per rules. The selection process will be through an interview. Candidates are required to undertake teaching load (minimum 15 hours/ week) or publish a minimum four research papers every year (beyond the PhD requirements). Non-fulfiment will lead to discontinuation of appointment. In case there is consistent history of producing research papers with impact factor beyond five, minimum research papers requirement can be reduced on a case-to-case basis.

2.ASSISTANT PROFESSOR/ TEACHING ASSOCIATE

Multiple university funded scholarships (18,000/- to 21,600/- for three years only) for PhD candidates with past teaching experience and exceptional teaching abilities are available. Fee will be payable as per rules. Such candidates must undertake a teaching load of minimum 10 hours/ week and produce a minimum of two research papers (beyond the PhD requirements).

3.ASSISTANT PROFESSOR/ RESEARCH FELLOW

Multiple scholarships are available through extra-mural projects or through university funds for PhD students (18,000/- to 21,600/- for three years only) with demonstrated research potential in the past. Fee will be payable as per rules. Research fellows will be expected to produce four-six research papers in a year with impact factor of 2 and above. Research fellows are required to publish a minimum four research papers every year (beyond the PhD requirements). Non-fulfiment will lead to discontinuation of fellowship. Research fellows are expected to stay in university residential premises for their research work.

4.EXISTING SHOOLINI STUDENTS/ ALUMNI (10 ONLY)

Selection into Shoolini's PhD programmes and scholarships will be based on a written test and interviews. Students will apply through standard application process and a scholarship equivalent to 100% of the second semester tuition fee will be awarded to selected students.

5.VICE CHANCELLOR'S RESEARCH FELLOWS (10 ONLY)

This is an open competitive scholarship to any external/internal student selected for a PhD programme of the University. The VC fellows will be selected by a Committee chaired by the Vice Chancellor. They will have to pay full fee as per rules. The selected candidates will be paid scholarship amount of Rs 30,000 per semester for 2nd and 3rd Year only. VC's Research Fellows are required to publish a minimum two research papers every year (beyond the PhD requirements).

6.PUBLICATION INCENTIVES

Students (not applicable to Assistant Professors/ Teaching Associate/ Research Fellow) admitted in PhD programme will get coupons for their research publications as per below. These coupons can be availed after publishing research/ review papers in Scopus listed journals only.

- For all papers published during PhD thesis:

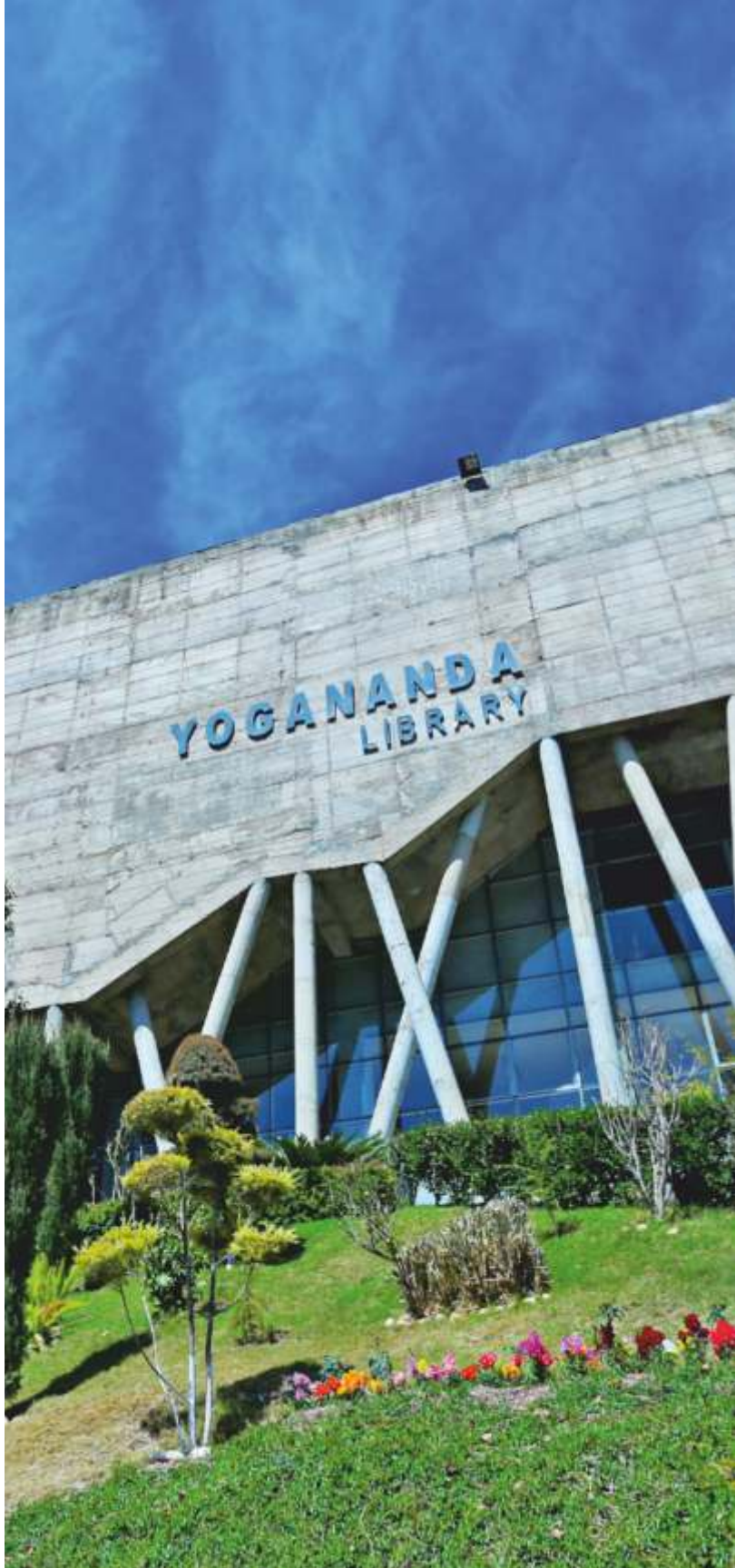
IMPACT FACTOR OF JOURNAL	GRANT AMOUNT (IN INR)
3 to 5	10,000
5.1 and above	20,000
Published in 'Nature' (applicable to all PhD students)	500,000

- Students publishing more than 3 papers as part of their PhD are eligible for additional coupons as per the following criteria:

PAPER	GRANT AMOUNT (IN INR)
4th (minimum impact factor of 2)	5,000/-
5th & above (minimum impact factor of 2)	7,500/-

IMPORTANT NOTES

- PhD candidates must pay the fee as per rules specified by the University from time to time.
- PhD candidates can avail only one of the above (from point 1 to point 5) benefits/ scholarships during the first three years of the PhD programme.
- Specifically for point 6, one research paper will only be counted once and for one student. The student will need a verification note from the PhD supervisor. In papers with more than one author, the award money will be split equally between all members.
- As per rule, PhD students will not pay fee for 7th and 8th semester, but thereafter fee will be charged for the balance of the semesters.
- The above circular is applicable for the year 2021 and the academic council reserves the right to modify this without any notice.



Academic Programmes

PROF. ANURADHA SOURIRAJAN

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

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 into 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.

Faculty of **Applied Sciences** & **Biotechnology**

Considered among the best in the country in the BioSpectrum rankings, the Faculty of Applied Sciences and Biotechnology research focuses on bio-molecular engineering, drug discovery for cancer, and microbid infections host-pathogen interaction, biodiversity and omics of extremophiles cloning and molecular characterization of industrially important proteins and enzymes, bio-fertilizers and bio-pesticides.

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, Nestle, Pepsico, Abbott, Sentis Pharma, Dabur Ltd, Jubilant Organosys Ltd, Ocimum Bio-solutions and Nectar Life-Sciences Ltd.

The Faculty has also academic alliances for exchange of students with Seoul National University, South Korea, Ulster University, Northern Ireland, University of Arkansas, USA, University of Naples, Italy, Lanzhou University, China, Sierra Bio Life, Australia, Chung Yuan Christian University, Taiwan and 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 has been set up with a financial outlay of Rs. 2.85 crore funded by 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, Molecular biology, ROT, industrial microbes screening and production, biochemical analysis and standardization of analytical instruments. Graduate and post-graduate students are required to undertake research/ projects.

Summit Research Programme - A reimagined B Tech Biotechnology degree programme

Shoolini has taken the lead to develop a unique research oriented degree programme that prepares students for global opportunities at leading academic institutions and corporate R&D teams. Fully integrated with regular engineering curriculum, the Summit Research programme provides hands-on exposure to high quality research, experience with writing technical papers, personal mentorship and interactions with internationally acclaimed research practitioners and experts.

- Work with faculty and PhD students on live cutting-edge research
- Option to study and conduct lab work in premier universities abroad
- Get individually mentored by academicians and practitioners
- Need-Blind Admission policy

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
- Nutraceuticals
- Plant Host-Pathogen Interaction
- Probiotics
- Biosensor Technology

SCHOOL OF BIOTECHNOLOGY

FACULTY MEMBERS

Professor of Eminence/Adjunct Faculty

Prof RC Mahajan
PhD; PGIMER, Chandigarh & Advisor ECD, ICMR;
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

Prof Anuradha Sourirajan, Dean
PhD, Post-Doc, National Cancer Institute (NIH), USA

Prof Kamal Dev
Post-Doc, National Institute of Health (NICHD), USA

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

ASSOCIATE PROFESSORS

Dr Reena Vohra PhD, Post Doc, NCI, NIH (USA), NET
Dr Azhar Khan PhD, Post Doc (USA)

ASSISTANT PROFESSORS/ LECTURERS

Dr Chandrika Attri Seth PhD
Dr Astha Tripathi PhD
Ms Chandresh Kumari M Sc, PhD (Pursuing)
Dr Nitika Thakur PhD, NET
Dr Shikha Srivastava PhD NET, GATE
Dr Pradeep Kumar PhD
Dr Sonali Khanduja Kalra PhD (Microbiology)
Dr Anil Kumar, PhD, Post Doc, NET
Mr Subhash, M Sc, PhD (Pursuing))

ACADEMIC PROGRAMMES

- B Sc (Hons) Biotechnology
- B Sc (Hons) Microbiology
- Integrated B Sc (Hons) - M Sc (Biotechnology)
- Integrated B Sc (Hons) - M Sc (Microbiology)
- BSc Nutrition and Dietetics
- B Tech Biomedical Engineering
- M Sc Biotechnology
- MSc Biotechnology (Research)
- M Sc Microbiology
- MSc Microbiology(Research)
- MSc Nutrition and Dietetics
- M Sc Biochemistry
- M Phil Biotechnology
- M Phil Microbiology
- PhD Biotechnology
- PhD Microbiology

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

BSc (Hons) Biotechnology
Eligibility 10+2 (PCB/ PCM) with minimum 50% marks
Duration 6 semesters
Seats 90

BSc (Hons) Microbiology
Eligibility 10+2 (PCB/ PCM) with minimum 55% marks
Duration 6 semesters
Seats 60

Integrated BSc (Hons) - MSc (Biotechnology)
Eligibility 10+2 (PCB/ PCM) with minimum 50% marks
Duration 10 semesters
Seats 30

Integrated BSc (Hons) - MSc (Microbiology)
Eligibility 10+2 (PCB/ PCM) with minimum 50% marks
Duration 10 semesters
Seats 30

BSc Nutrition and Dietetics
Eligibility 10 +2 PCB with minimum 50% marks
Duration 6 semesters
Seats 30

B Tech Biomedical Engineering
Eligibility 10+2 with PCB/ PCM with minimum 50 % marks
Duration 8 semesters
Seats 30

MSc Biotechnology
Eligibility BSc with Biotechnology/ Microbiology/ Biochemistry/ Life or Physical Sciences as one of the subjects or a Bachelor's degree in any branch of Science & Technology with minimum 50% marks.
Duration 4 semesters
Seats 70

MSc Biotechnology with Research
Eligibility BSc/ B Tech with Biotechnology/ Microbiology/ Biochemistry/ Life or Physical Sciences as one of the subjects or a bachelor's degree in any branch of science & technology with minimum 60% marks
Duration 4 semesters
Seats 20

MSc Microbiology
Eligibility BSc with Microbiology/ Biotechnology/ Biochemistry/ Life Sciences as one of the subjects with minimum 50% marks.
Duration 4 semesters
Seats 50

MSc Microbiology with Research
Eligibility BSc/ B. Tech with Microbiology/ Biochemistry/ Life or Physical Sciences as one of the subjects or a bachelor's degree in any branch of science & technology with minimum 60% marks
Duration 4 semesters
Seats 20

MSc Nutrition and Dietetics
Eligibility BSc. in any stream with minimum 50% marks
Duration 4 semesters
Seats 30

MSc Biochemistry
Eligibility BSc with Biotechnology/ Microbiology/Biochemistry/ Life or Physical Sciences as one of the subjects or a Bachelor's degree in any branch of Science & Technology with minimum of 50% marks.
Duration 4 semesters
Seats 30

M Phil Biotechnology
Eligibility MSc in Biotechnology/ Microbiology or any related branch of Life Sciences with minimum of 50% marks
Duration 2 semesters
Seats 05

M Phil Microbiology
Eligibility MSc in Biotechnology/ Microbiology or any related branch of Life Sciences with minimum of 50% marks
Duration 2 semesters
Seats 05

PhD Biotechnology
Eligibility Master's degree in Biotechnology/ Life Sciences or Physical Sciences or a related discipline with minimum of 55% marks
Duration 6 semesters
Seats 15

PhD Microbiology
Eligibility Master's degree in Microbiology/ Life Sciences or related discipline with minimum of 55% marks
Duration 6 semesters
Seats 05

BASIS OF ADMISSIONS
Merit of the qualifying examination or otherwise specified entrance exams for the following programmes:

- **B. Tech**: Through JEE/ HPCET or any equivalent entrance test recognized by HP Government. Vacant seats, after exhausting the merit list of JEE/ HPCET, are to be filled based on merit of 10+2.
- **M Phil**: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET qualified candidates are exempted from entrance test.
- **PhD**: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET/ M Phil qualified candidates are exempted from entrance test.

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, GATE, PGDCA, Post Doc experience in Ireland & Netherlands

ASSOCIATE PROFESSORS
Dr Amit Seth, PhD, NET
Dr PK Chauhan, PhD, NET
Dr Somesh Sharma PhD NET

ASSISTANT PROFESSORS/ LECTURERS
Dr Rahul Thory, PhD, NET

Dr Ashok K Pathera, PhD (Food Technology), NET
Dr Vikas Kumar, PhD, NET
Mr Henok Gulilat Azalework, M Sc (Ethiopia)
Ms Archana Sinhmar, M Sc, PhD (Pursuing)
Mr Chavan Prafull Devao, M Tech, PhD (Pursuing)
Mr Rajan Rolta, B Tech, M Tech; Biotechnology
Ms Prakrati Garg, M Sc, PhD (Pursuing)

ACADEMIC PROGRAMMES

- B Sc (Hons) Food Technology
- B Tech Biotechnology
- B Tech Biotech with Summit Research Program
- B Tech Biotechnology (Lateral Entry)
- B Tech Food Technology
- B Tech Food Technology with Summit Research Program
- B Tech Food Technology (Lateral Entry)
- M Tech Biotechnology
- M Tech Food Technology
- MSc Food Technology Research
- PhD Food Technology

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

BSc (Hons) Food Technology
Eligibility 10 + 2 (PCM/ PCB) with minimum 55% marks
Duration 6 semesters
Seats 60

B. Tech Biotechnology
Eligibility 10 + 2 (PCM/ PCB) with minimum 55% marks
Duration 8 semesters
Seats 120

B Tech Biotechnology Summit Research Program
Eligibility 10 + 2 (PCM/ PCB) with minimum 75% marks
Duration 8 semester
Seats 30

B. Tech Biotechnology (Lateral Entry)
Eligibility A Diploma in Biotechnology/ Food Technology or related subjects with minimum of 50% marks
Duration 6 semesters

B. Tech Food Technology
Eligibility 10 + 2 (PCM/ PCB) with minimum 55% marks.
Duration 8 semesters
Seats 90

B Tech Food Technology (Agriculture)
Eligibility 10+2 (PCM/ PCB) with minimum 55% marks
Duration 8 semester
Seats 10

B Tech Food Technology with Summit Research Program
Eligibility 10 + 2 (PCM/ PCB) with minimum 75% marks
Seats 20 (SRP)

B. Tech Food Technology (Lateral Entry)
Eligibility A Diploma in Food Technology/ Biotechnology or related subject with minimum of 50% marks
Duration 6 semesters

M Tech Biotechnology
Eligibility Bachelor of Engineering/ Technology/ B. Tech Biotechnology or an MSc Biotechnology/ Microbiology/ Biochemistry or any other branch of Life Sciences with minimum of 50% marks
Duration 4 semesters
Seats 18

M Tech Food Technology
Eligibility Bachelor of Engineering/ Technology/ B. Tech Food Technology/ Agriculture/ Biotechnology or an MSc in Biotechnology/ Microbiology/ Biochemistry or any other branch of Life Sciences with minimum of 50% marks
Duration 4 semesters
Seats 18

MSc Food Technology
Eligibility BSc in any stream with minimum of 50% marks
Duration 4 semesters
Seats 60

MSc Food Technology Research
Eligibility BSc in any stream with minimum of 55% marks
Duration 4 semesters
Seats 30

PhD Food Technology

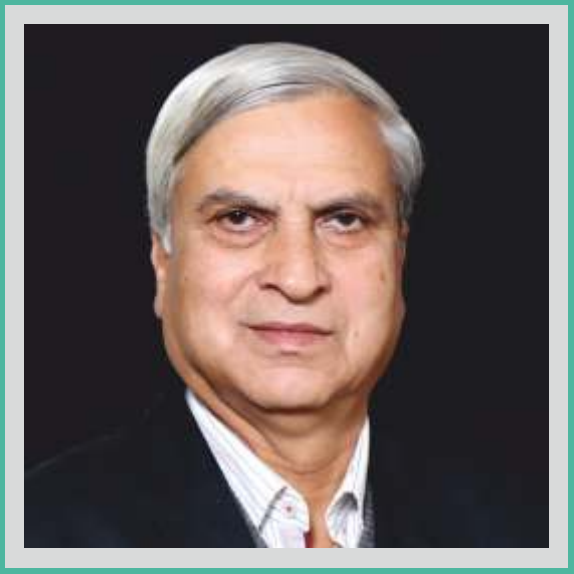
Eligibility Master's degree in Food Technology/ Life Sciences or Physical any other related discipline with minimum 55% marks
Duration 6 Semesters
Seats 06

BASIS OF ADMISSIONS

Merit of the qualifying examination or otherwise specified entrance exams for the following programmes:

- **B. Tech**: Through JEE/ HPCET or any equivalent entrance test recognized by HP Government. Vacant seats, after exhausting the merit list of JEE/ HPCET, are to be filled based on merit of 10+2.
- **M. Tech**: Through GATE/ HPCET or any other recognized entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of GATE/HPCET, are to be filled based on merit of B Tech with candidates.
- **PhD**: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET/ M Phil qualified candidates are exempted from entrance test.

- Reservation of seats for bonafide 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 Government rules.
- 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.



PROF SHYAM SINGH CHANDEL

PhD

Dean

Prof. S.S. 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 technology and bio-energy, and solar based hybrid power systems. He has formulated the Solar House Action Plan for Himachal Pradesh and the mandatory policy on solar passive housing technology. As the Principal Scientific Officer and Head of HP Patent Information Centre at HP State Council for Science, Technology & Environment, he formulated Policy on Geographical Indications and got registered Kangra Tea, Kullu Shawl, Chamba Rumal, Kinnauri shawl under GI Act. He has vast experience in coordinating national and international energy projects.

Prof Chandel is the recipient of prestigious Lifetime Achievement Award for Science Promotion by Government of Himachal Pradesh and also honored for promoting concentrated solar technologies in NIT Hamirpur and other Institutions in the state by Ministry of New and Renewable Energy, Govt. of India.

Faculty of **Engineering & Technology**

Shoolini University is fast growing into a world class University with focus on high level innovative research with a multidisciplinary approach. With ever increasing demand and expectations from the present-day engineers, we are gearing up to prepare highly trained and skilled engineers and technologists to face the challenges of the fast changing technologically advanced world.

Ranked among 112 Top engineering institutions in the country (NIRF Ranking-2020), the Faculty of Engineering and Technology is committed to excellence in qualitative teaching, robust learning and proactive research with the aim to create highly qualified engineers and technologists with strong research knowledge base making a difference in the society with their high impact research and innovative interventions.

The students at undergraduate level under take innovative research projects which will further evolve them into highly trained world class researchers at Masters and PhD level. The curriculum integrates engineering with science and improves student understanding of technology and will prepare them to adopt multidisciplinary research approach.

Shoolini University's 'Sprint Program' is designed to significantly upgrade soft skills and capabilities of its engineering and technology students. Led by top corporate and industry leaders, leading entrepreneurs and professional trainers, the program 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 program designed after Stanford's mini MBA.

Centers Of Excellence

Faculty of Engineering & Technology has established following Centres of Excellence to provide wider opportunities to the students:

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 is the first such Centre in the region providing academic excellence in Automobile Engineering at undergraduate, master's and doctoral level, along with imparting training to upgrade skills required by the industry.

Centre of Excellence in Renewable Energy Technology

This Centre aims for promoting research in energy efficiency and the adoption of renewable energy sources like solar, wind, geothermal, small hydro, biomass, etc. to meet energy requirements by considering implementation of renewable energy policies at local, regional, and national levels. It will further explore current, new and alternate energy technologies including hybrid of renewable, conventional sources and fossil fuels to develop innovative technologies. The main research programme highlights of the Centre are focused on:

- Wind, solar & other renewable energy resource assessment in the Himalayan region.
- Solar power generation; solar roof top power plants.
- Energy & Environment Policy concerns.
- Solar thermal; Concentrated solar development & applications.
- Energy storage; Renewable based hybrid energy Systems

- Passive solar heating and cooling technologies; Green buildings; Energy conservation efficiency in industry & buildings.
- Energy Security: Lesser dependence on oil imports through development and deployment of alternate fuels (hydrogen, biofuels and synthetic fuels) and the applications to contribute by bridging the gap between domestic oil supply and demand.
- Increase in the share of clean power: Renewable (Bio, wind, hydro, solar, geothermal & tidal) electricity to supplement fossil fuel-based electricity generation.
- Energy Availability and Access: Supplement energy needs for cooking, heating, power generation in rural, urban, industrial and commercial sectors.
- Energy Affordability: Cost-competitive, convenient, safe.
- Energy Equity: Per-capita energy consumption at par with the global average level by 2050, through a sustainable and diverse fuel- mix.

Centre for Excellence in Visionary Learning Community of India (VLCI)

This Centre has been established by Padam Shri Professor Shoji Shiba in collaboration with Japan International Cooperation Agency (JICA) and Confederation of Indian Industries (CII). The aim of the program is to create great visionaries/ leaders to upgrade the standard of Indian manufacturing sector and to create industry ready students.

Remote Centre for "AAKASH for Education", IIT Bombay

This remote Centre is running in the School of Electrical and Computer Science Engineering. The Centre has excellent infrastructure and good faculty with expertise and experience

Amazon Web Services (AWS) Academy

This academy provides training and certification model designed to validate the knowledge of professionals as per the growing and changing demands of the IT industry. To keep up with the standards, one can take the certification and expect a great rise in terms of position and pay scale of course.

International Students and Faculty Exchange

As a part of international tie-ups with various organizations, Shoolini University has in place an exchange programme for students and faculty to pursue studies and undertake research at respective foreign Institutions. Under the student exchange programme, more than 200 students have gone for studies and research in various reputed universities/ institutions in South Korea, Taiwan, China, Italy, South Africa, Australia, and USA. In South Korean universities, they have been awarded fellowships to meet their boarding, lodging and tuition fee expenses worth Rs.5 Lakh/semester. As many as forty students have also availed higher studies opportunity in different foreign Universities with scholarship worth Rs. 10-12 lakh/year. From outside India, twenty students from South Korean, China, Turkey, Afghanistan, Ethiopia and Taiwanese are studying at Shoolini University.

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. A number of foreign teachers are currently teaching at campus. The university has a regular foreign faculty teaching German and Chinese languages at the campus.

FACILITIES

Mechanical Engineering Workshop/ Well-equipped Mechanical and Civil Engineering labs/ Physics & Chemistry Labs/ Computer Labs with broadband connectivity OptiPlex Dell high end machines/ Electrical Engineering Labs/ Electronics & Communication Labs/ Computer Science & Engineering Lab/ CAD/ CAM Lab/ Tinkering Lab/ Seminar Halls/ Tutorial Rooms

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 NEMS
- Mechatronics
- Nanotechnology
- Heat Transfer
- Material Science
- Hydro Turbines
- Manufacturing Technology
- Renewable Energy (solar, wind, biomass, etc.)
- Mechanical Design
- Automobile Engineering
- Civil Engineering (earthquake, transport, building material, green building passive solar design & engineering)

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 S.R Prabhakar, PhD (Metallurgical Engg.); Professor of Eminence; Mechanical
Dr 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 HyoungIn Lee, PhD; Seoul National University; Visiting Faculty
Dr Harish Chandan, PhD; Adjunct Professor

PROFESSORS

Prof Mohindra Singh Thakur, PhD; Civil
Prof Arvind Nanda, FTGMP (General Management), B Sc Production Engineering; Mechanical
Prof Bhaskar Goel, M Tech, PhD: Mechanical

ASSOCIATE PROFESSORS

Dr Robin Thakur, PhD; Mechanical
Dr Raj Kumar, PhD; Mechanical
Dr Amar Raj Singh, PhD; Mechanical

ASSISTANT PROFESSORS/ LECTURERS

Dr Abhilash Pathania, PhD; Mechanical
Dr Parveen Sihag, PhD; Civil
Er Sushil Kumar, M Tech; Mechanical
Er Sorabh Aggarwal, M Tech; Mechanical
Er Nitin Kumar Sharma, M Tech, PhD (Pursuing); Mechanical
Er Sashank Thapa, M Tech, PhD (Pursuing); Mechanical
Er Adit Rana, M Tech; Mechanical
Er Bhupender Kumar, M Tech; Civil
Er VeenaKashyap, B Tech; M Tech; Civil
Er Mitankshi Sharma, M Tech; Civil
Er Vikas Mehta, M Tech; Civil
Er Nidhi Kapoor, M Tech; Civil
Er Priyanka, M Tech; Civil
Er Nitisha Sharma, M Tech, PhD (Pursuing); Civil
Er Sanjay Bhardwaj, M Tech; Electronics

ACADEMIC PROGRAMMES

- B Tech Mechanical Engineering
- B Tech Mechanical Engineering (Lateral Entry)
- B Tech Automobile Engineering
- B Tech Civil Engineering
- B Tech Civil Engineering (Lateral Entry)
- B Tech Mechatronics
- M Tech Mechanical Engineering
- M Tech Civil Engineering
- M Tech Energy Technology
- PhD Mechanical Engineering
- PhD Civil Engineering
- PhD Energy
- PhD Disaster Management

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

B Tech Mechanical Engineering

Eligibility 10 + 2 in PCM with minimum 50% marks
Duration 8 semesters
Seats 60

B Tech Mechanical Engineering (LEET)

Eligibility Diploma in any related subject with minimum 50% marks
Duration 6 Semesters

B Tech Automobile Engineering

Eligibility 10 + 2 (PCM) with minimum 50% marks
Duration 8 semesters
Seats 30

B. Tech Civil Engineering

Eligibility 10 + 2 (PCM) with minimum 50 % marks
Duration 8 semesters
Seats 60

B Tech Civil Engineering (LEET)

Eligibility Diploma in any related subject with minimum 50% marks
Duration 6 semesters

B Tech Mechatronics
Eligibility 10 + 2 (PCM) with minimum marks 50%.
Duration 8 Semester
Seats 30

M Tech Mechanical Engineering
Eligibility B. Tech Mechanical Engineering or related B. Tech/ MSc degree in related subjects with minimum 50% marks
Duration 4 semesters
Seats 18

M Tech Civil Engineering
Eligibility B. Tech Civil Engineering or related B. Tech/ MSc degree with minimum 50% marks
Duration 4 semesters
Seats 18

M Tech Energy Technology
Eligibility Bachelor of Engineering/ Technology or MSc in related subjects with minimum 50% marks
Duration 4 semesters
Seats 18

PhD Mechanical
Eligibility Master's degree in Mechanical Engineering or any other related discipline with minimum 55% marks
Duration 6 Semesters
Seats 04

PhD Civil
Eligibility Master's degree in Civil Engineering or any other related discipline with minimum 55% marks
Duration 6 Semesters
Seats 01

PhD Energy
Eligibility Master's degree in Science/ Technology or related discipline with minimum 55% marks
Duration 6 Semesters
Seats 05

PhD Disaster Management
Eligibility Master's degree in any related discipline with minimum 55% marks
Duration 6 Semesters
Seats 03

BASIS OF ADMISSIONS
Merit of the qualifying examination or otherwise specified entrance exams for the following programmes:

- B Tech: Through JEE/ HPCET or any equivalent entrance test recognized by HP Government. Vacant seats, after exhausting the merit list of JEE/ HPCET, are to be filled based on merit of 10+2.
- M Tech: Through GATE/ HPCET or any other recognized entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of GATE/ HPCET, are to be filled based on merit of B Tech with candidates.
- PhD: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET/ M Phil qualified candidates are exempted from entrance test.

SCHOOL OF ELECTRICAL & COMPUTER SCIENCE ENGINEERING

FACULTY MEMBERS
Professors of Eminence/Adjunct & Visiting Faculty
Prof CP Mahajan, Professor of Eminence
Dr GS Virdi, PhD, Post-doc USA & Finland; Professor of Eminence
Er Jyoti Prakash Gupta, B Tech; Adjunct Professor

PROFESSORS
Prof Shyam Singh Chandel, PhD
Prof Ram Prakash Dwivedi, PhD, Post-Doc (South Korea); ECE

ASSOCIATE PROFESSORS
Dr Pankaj Vaidya, ME, PhD, CSE
Er RK Saini, ME, MIE; ECE
Dr Neeraj Gandotra, M Tech, PhD; Maths

ASSISTANT PROFESSORS/LECTURERS
Er Bharti Thakur, MCA, M Tech; CSE
Dr Gaurav Gupta, M Tech; PhD, CSE
Er Ashwani Sharma, M Tech; ECE
Er Namita Gandotra, M Tech; CSE
Er Meenakshi Nayyer, M Tech; CSE
Er Sunil Kumar, M Phil, M Tech, M Sc; Maths
Er BrijBushan, M Tech
Dr Varun Jaswal, PhD
Er Gunjan Thakur, B Tech, M Tech; IT
Dr Nagesh Kumar, PhD; CSE
Er TeshaleTeshome, PhD (Pursuing); Civil

Er Ravi Kant, PhD (Pursuing); Civil
Mr Leela Dhar, Diploma in Electronics
Dr Sonia, PhD; CSE
Er Hemant Sharma, M Tech; IT
Er Gayatri Seth, Diploma in Electronics and Communication

ACADEMIC PROGRAMMERS

- 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 (Lateral Entry)
- BCA
- B Sc (Hons)/ BA Mathematics
- M Tech Computer Science & Engineering
- M Tech ECE
- M Sc Data Analytics
- MA/M Sc Mathematics
- PhD Computer Science & Engineering
- PhD ECE
- PhD Mathematics

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

B Tech CSE Engineering (Specialization: Artificial Intelligence & Machine learning/ Big Data Analytics/ Cloud Computing/ Cyber Security)

Eligibility 10 + 2 (PCM) with minimum 50% marks
Duration 8 semesters
Seats210

B Tech CSE (LEET)

Eligibility Diploma in concerned or related subject with minimum 50% marks
Duration 6 Semesters

B Tech Electrical Engineering

Eligibility 10 + 2 (PCM) with minimum 50% marks
Duration 8 semesters
Seats 30

B Tech Electrical Engineering (LEET)

Eligibility Diploma in concerned or related subject with minimum 50% marks
Duration 6 semesters

B Tech IT (LEET)

Eligibility Diploma in concerned or related subject with minimum of 50% marks.
Duration 6 Semesters

Bachelor of Computer Applications (BCA)

Eligibility 10+2 Any Stream with minimum marks 50%.
Duration 6 Semester
Seats 60

BSc (Hons)/ BA Mathematics

Eligibility 10+2 with Mathematics as one of the subjects with minimum marks 50%.
Duration 6 semesters
Seats 15+15

MSc Data Analytics

Eligibility BSc with math or B Tech in any stream with minimum 50 % marks
Duration 4 Semesters
Seats 30

M Tech Computer Science & Engineering

Eligibility B. Tech Computer Science & Engineering or MSc Computer Science or any other related subject with minimum 50% marks
Duration 4 semesters
Seats18

M Tech ECE

Eligibility B. Tech ECE or related subjects or MSc in related subjects with minimum 50%
Duration 4 semesters
Seats 18

MA/ MSc Mathematics

Eligibility Graduation in any stream with Mathematics as one of the subjects with minimum marks 50%
Duration 4 semesters
Seats 30

PhD CSE

Eligibility Master's degree in CSE or any other related discipline with minimum 55% marks
Duration 6 Semesters
Seats 04

PhD ECE

Eligibility Master's degree in ECE or any other related discipline with minimum 55% marks
Duration 6 Semesters
Seats 02

PhD Mathematics

Eligibility Master's degree in Mathematics or related discipline with minimum 55% marks
Duration 6 Semesters
Seats 03

BASIS OF ADMISSIONS

Merit of the qualifying examination or otherwise specified entrance exams for the following programmes:

- **B Tech**: Through JEE/ HPCET or any equivalent entrance test recognized by HP Government. Vacant seats, after exhausting the merit list of JEE/ HPCET, are to be filled based on merit of 10+2.
- **M Tech**: Through GATE/ HPCET or any other recognized entrance test followed by Personal Interview. Vacant seats, after exhausting the merit list of GATE/ HPCET, are to be filled based on merit of B Tech with candidates.
- **PhD**: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET/ M Phil qualified candidates are exempted from entrance test.

- Reservation of seats for bonafide 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 Government rules.
- 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.

YOGANANDA
LIBRARY

PROF ATUL KHOSLA

B Tech (IIT Kanpur),
MBA (Jamna Lal Bajaj)

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.

Faculty of **Management Sciences** 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 and Liberal Arts** 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 76-100 band of management schools in India by National Institutional Ranking Framework (NIRF), Ministry of Human Resource, Government of India for the year 2019.

We envisage building the School of Business Management in to 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.

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, Tata Hitachi, HDFC Bank, Oberoi, Abacus Offshore from Seychelles, Religare India. Infoline and many more.
- Great summer placements for first year MBA students (Batch 2019) with handsome stipends.

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.

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
- Yoga

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. 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 BSc 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, gymnasia, medical institutions and therapy centres both within and outside the country. The programmes have 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.

English Language & Literature

A well-known and globally acclaimed Prof Manju Jaidka mentors the two-year MA (English) and three-year BA (Hons) English

courses with the skills needed for professional career in teaching, editing, creative writing and corporate training. Being the part of Sahitya Academy, Chandigarh and several literary bodies, Prof Jaidka's intellectual experience not only help learners to have the insights of literary world but also expose them to the needs and requirements of the professional life. Each programme covers every genre of language and literature focusing on research and career oriented activities. Being the knowledge partner with various literary events, students learn the various aspects related to literature through the interaction with renowned personalities of the field.

FACILITIES

IT Centre/ e-Lab/ Language Lab/ Audio-Visual Room/ Mediation Hall/ Tutorial Rooms/ Conference Rooms/ Yoga and Meditation Centre/ Hotel Chalet/ Restaurant/ Bakery/ Shoolini Radio/ Seminar Halls/ Video-conferencing/ Online Lectures.

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), OSD
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
Dr Sunil Puri, PhD; Landuse/ Envn Management
Dr YS Negi, PhD; Forest Economy & Policy
Dr Adesh Saini, PhD; Forest Management & Biomed Science
Dr (Ms) Kesari Singh, PhD, NET; Economics
Dr Manju Jaidka, PhD, English

ASSOCIATE PROFESSORS

Dr Devesh Kumar, PhD, MBA, MCA; Management
Dr Vinod Kumar, MBBS; Yogic Sciences
Mr Manav Bansal, B Tech; CSE, MBA (HR)
Dr Pooja Verma, PhD MBA, NET; Management

ASSISTANT PROFESSORS

Dr Nitin Gupta, PhD, MBA, PGDPM & LW; Management
Mr Kamalkant Vashisth, MBA, NET; Management
Mr Amar Rao, MBA, NET; Management
Ms Prachi Kapil, MBA; Management
Mr Vikrant Chauhan, M PEd, SET; Physical Education
Mr Neeraj Pizar, MA (English); English
Dr Purnima Bali, PhD; English
Dr Subodh Saurabh Singh, PhD, NET; Yogic Sciences
Dr Mala Tripathi, PhD, NET; Yogic Sciences
Mr Vijay Kumar, MBA; Management
Ms Ranjna Thakur, Master of Mass Communication, NET, SET; Journalism
Mr Ankit Shukla, Master of Hotel Management
Dr Supriya Srivastava, PhD; NET
Ms Varsha Patil, CS, B Com; Commerce
Mr Chander Mohan Gupta, MBA LLM, M.Com
Ms Lata Negi, MA, B. Ed; English,
Mr Vineet Sharma, B Sc, Master in Tourism Management
Ms Anupama Chandel, MA; Yogic Sciences
Ms Richa Devesar, MBA
Mr Tzu Ting Chen, PhD (Pursuing)
Mr William Asamoah Appiah, MBA, PhD (Pursuing)
Mr Vishal, MBA, PhD (Pursuing)
Dr Nisha Kapoor, PhD, JRF, NET; Journalism and Mass Communication
Mr Emesgen Anebo Sulamo, PhD (Pursuing)
Mr Sandeep Sharma, Diploma in Food Production
Mr Nagendra Yadav, Master in Hotel Management, Diploma in German Language
Mr Deepshikha Thakur, MA, PhD (Pursuing); Yoga

ACADEMIC PROGRAMMES

- BA (Hons) Economics
- BA (Hons) English
- BA Journalism & Mass Communication
- BBA
- B Com (Hons)
- B Sc Hospitality & Hotel Administration
- BA/ B Sc Yoga
- B Sc Education
- BA Education
- B Sc Culinary Arts
- BSc (Hons) Tourism and Travel Management
- M Sc Yoga
- MA Yoga

- PG Diploma in Journalism
- MA Economics
- MA Journalism
- MA English Literature
- MBA- Finance/ Biotechnology/ Pharma & Healthcare/ Marketing/ Human Resource (HR)/ Tourism/ International Relation/ Digital
- MBA Executive (Part Time)
- PhD Management
- PhD Economics
- PhD English
- PhD Human Resource
- PhD Yoga

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

BA (Hons) Economics
Eligibility 10+2 (Any stream) with minimum 55% marks
Duration 6 semesters
Seats 30

BA (Hons) English
Eligibility 10+2 (Any stream) with English as one of the subjects with minimum marks 55%.
Duration 6 semesters
Seats 30

B Com(H)
Eligibility 10+2 (Any stream) with minimum 50% marks
Duration 6 semesters
Seats 100

BA Journalism and Mass Communication
Eligibility 10+2 (Any stream) with minimum 55% marks
Duration 6 semesters
Seats 60

BA/ BSc Yoga
Eligibility 10+2 (Any stream) with minimum 45% marks
Duration 6 semesters
Seats 60

MSc Yoga
Eligibility Graduation with minimum 50% marks
Duration 4 semesters
Seats 15

MA Yoga
Eligibility Graduation with minimum 50% marks
Duration 4 semesters
Seats 15

MBA (Specializations: Marketing/ HR/Tourism/International relation/Digital/Biotech/Pharma/Finance
Eligibility Bachelor's Degree (Any discipline) with minimum 50% marks.
Duration 4 semesters
Seats 300

MBA Executive
Eligibility Bachelor's Degree (any discipline) with minimum 50% marks and 3 years job experience in an any organization
Duration 6 semesters
Seats 15

PG Diploma in Journalism
Eligibility Bachelor's Degree (Any discipline) with minimum 50% marks
Duration 2 semesters
Seats 30

BSc Hospitality & Hotel Administration
Eligibility 10+2 (Any stream) with minimum 45% marks
Duration 6 semesters
Seats 60

BBA
Eligibility 10+2 (Any stream) with minimum 50% marks
Duration 6 semesters
Seats 100

MA Economics
Eligibility Graduation in any discipline with minimum 55% Marks & Economics as one of the subjects
Duration 4 semesters
Seats 30

MA English Literature
Eligibility Graduation in any discipline with minimum 55% marks & English as one of the subjects

Duration 4 semesters
Seats 15

MA Journalism
Eligibility Graduation in any discipline with minimum 55% marks & Journalism as one of the subjects
Duration 4 semesters
Seats 30

BSc Hons Tourism and Travel Management
Eligibility 10+2 (Any stream) with minimum 50% Marks
Duration 6 Semesters
Seats 30

BSc Education
Eligibility 10+2 (Any Stream) with minimum 50% marks
Duration 6 Semesters
Seats 50

BA Education
Eligibility 10+2 (Any Stream) with minimum 50% marks
Duration 6 Semesters
Seats 50

BSc Culinary Arts
Eligibility 10+2 (Any Stream) with minimum 50% marks
Duration 6 Semesters
Seats 30

PhD English
Eligibility Master's degree in English Literature or any related discipline with minimum 55% marks.
Duration 6 semesters
Seats 05

PhD Management
Eligibility Master's degree in Business Management or any related discipline with minimum 55% marks.
Duration 6 semesters
Seats 08

PhD Human Resource
Eligibility Master's degree in Business Management or any related discipline with minimum 55% marks
Duration 6 semesters
Seats 03

PhD Economics
Eligibility Master's degree in Economics or any related discipline with minimum 55% marks
Duration 6 Semesters
Seats 04

PhD Yoga
Eligibility Master's degree in Yoga or any related discipline with minimum 55% marks
Duration 6 semesters
Seats 04

BASIS OF ADMISSIONS
Merit of the qualifying examination or otherwise specified entrance exams for the following programmes

- **MBA**: 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. 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's degree with candidates having at least 50% marks
- **PhD**: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET/ M Phil qualified candidates are exempted from entrance test.

- Reservation of seats for bonafide 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 Government rules.
- 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.

PROF NARINDER GUPTA

PhD, LLM

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.

Faculty of **Legal Sciences**

As a 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, health care and environmental laws, and intellectual property rights (IPR), 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 Professors
Mr SS Thakur former Hon'ble Justice of High Court of Himachal Pradesh
Prof NK Thakur, PhD (Law)

PROFESSORS
Dr Narinder Gupta PhD, LLM; Former Professor of Law, Himachal Pradesh University
Dr Kesari Singh, PhD (Economics)

ASSOCIATE PROFESSOR
Dr Nandan Sharma, PhD, LLM

ASSISTANT PROFESSORS
Ms Anupriya Thakur, LLB, PGDPM & LW
Ms Monika Thakur, LLM
Ms. Sia Sharma, LLM
MS Isha Negi, LLM, PhD (Pursuing)
Dr. Anita Chauhan PhD (Psychology)

ACADEMIC PROGRAMMES
BA LLB
LLB
LLM
PhD Legal Sciences

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

BA LLB

Eligibility 10+2 in any discipline with minimum 45% mark
Duration 10 semesters
Seats 60

LLB

Eligibility Graduation in any discipline with minimum45% marks
Duration 6 semesters
Seats 60

LLM

Eligibility LLB/ BALLB with minimum 50% marks.
Duration 2 Semesters
Seats 30

PhD Legal Sciences

Eligibility Master's in legal sciences with minimum 55% Marks
Duration 6 semesters
Seats 05

BASIS OF ADMISSIONS

- **PhD**: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET/ M Phil qualified candidates are exempted from entrance test.

- Reservation of seats for bonafide 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 Government rules
- 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.

PROF DEEPAK NANDKISHORE KAPOOR

PhD

Dean

Prof 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. Prof 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.

Faculty of **Pharmaceutical Sciences**

School of Pharmaceutical Sciences is Ranked 39th among Top Pharmacy Colleges in India in NIRF Ranking 2020 by the Ministry of Human Resource Development, GOI. The B Pharmacy programme is accredited by National Board of Accreditation (NBA).

The school 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.

Summit Research Programme - A reimagined B Pharmacy degree programme

Shoolini has taken the lead to develop a unique research oriented degree programme that prepares students for global opportunities at leading academic institutions and corporate R&D teams. Fully integrated with regular engineering curriculum, the Summit Research programme provides hands-on exposure to high quality research, experience with writing technical papers, personal mentorship and interactions with internationally acclaimed research practitioners and experts.

- Work with faculty and PhD students on live cutting-edge research
- Option to study and conduct lab work in premier universities abroad
- Get individually mentored by academicians and practitioners
- Need-Blind Admission policy

CURRENT AREAS OF RESEARCH

- 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 Venus Remedies Ltd. for joint research. It has also developed alliances with well-established concern like, 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, and consultancy projects from Meridian Medicare Ltd,, Tirupati Medicare Ltd., All India Institute of Ayurveda, New Delhi and Uttarakhand Ayurveda University, Haridwar.

Academic & Research Scholarships
The School of Pharmacy is recognised for the award of AICTE-GPAT scholarships for the following M Pharmacy in Pharmaceutical Chemistry and Pharmacology.

FACULTY MEMBERS

Adjunct Professors & Visiting Faculty
Dr Koushik Das Sarma, PhD, Post Doc USA; Adjunct Professor
Dr Amarjeet Singh, PhD (Pharmaceutical Chemistry); Adjunct Professor
Dr Jagattarana Das, PhD
Dr Nirmalendu Kumar Pandeya, 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 Gurjat Kaur, MS Pharm Biotechnology, PhD

ASSISTANT PROFESSORS
Dr Deepak Kumar, M Pharma, PhD
Dr Navneet Kumar Upadhyay M Pharmacy; PhD, Quality Assurance
Dr Swati Pundir, M Pharm; PhD, Pharmacognosy
Dr Gaurav Sharma, M Pharm; PhD, Pharmacology
Ms Aditi Sharma, M Pharm, GPAT
Ms Hemlata Kaurav, M Pharm, GPAT; Pharmaceutics
Ms Devika Rana, M Pharm, GPAT, GATE
Mr Lalit Sharma, M Pharm
Mr Abhishek Kumar Sharma, M Pharm, GPAT
Dr Raveen Chauhan, PhD Post Baccalaureate
Ms Chetana Kumari, M Pharma, GPAT
Ms Babita Patial, M Pharma, GPAT
Mr Sunil Kumar, M Pharma
Ms Dhriti Verma, M Pharma, PhD (Pursuing)
Ms Monika Prakash Singh, M Pharm, PhD (Pursuing)
Dr Arun Prashar, M Pharma, PhD
Ms Deepika Dutta, M Pharm; Pharmacology
Dr Ashutosh Kuamr Dash, M Pharma, PhD

ACADEMIC PROGRAMMES
- B Pharmacy
- B Pharmacy with Summit Research Program
- B Pharmacy (Lateral Entry)
- B Pharmacy (Practice)
- M Pharmacy
  Pharmaceutics
  Pharmacology
  Pharmacognosy
  Pharmaceutical Chemistry
- PhD Pharmaceutical Sciences

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

B Pharmacy
Eligibility 10+2 (PCB/ PCM) with minimum 55% marks
Duration 8 semesters
Seats 80

B Pharmacy with Summit Research Programme (SRP)
Eligibility 10+2 (PCB/ PCM) with minimum 75% marks
Duration 8 semesters
Seats 20

B Pharmacy (Practice)
Eligibility Diploma in Pharmacy with minimum 55% 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
Seats 40

B Pharmacy (LEET)

Eligibility Diploma in Pharmacy with 55% marks from an institution approved by Pharmacy Council of India
Duration 6 semesters

M PHARMACY

Pharmaceutics

Eligibility B Pharmacy from an institution approved by the Pharmacy Council of India with minimum 55% marks
Duration 4 semesters
Seats 12

Pharmacology

Eligibility B Pharmacy from an institution approved by the Pharmacy Council of India with minimum 55% marks
Duration 4 semesters
Seats 12

Pharmacognosy

Eligibility B Pharmacy from an institution approved by the Pharmacy Council of India with minimum 55% marks
Duration 4 semesters
Seats 3

Pharmaceutical Chemistry

Eligibility B Pharmacy from an institution approved by the Pharmacy Council of India with minimum 55% marks
Duration 4 semesters
Seats 15

PhD Pharmaceutical Sciences

Eligibility Master's in pharmacy with at least 55% marks
Duration 6 semesters
Seats 08

BASIS OF ADMISSIONS

Merit of the qualifying examination or otherwise specified entrance exams for the following programmes:

- **B Pharmacy**: 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 based on

AIR POLLUTION
CONTROL
WATER
SUPPLY
ENGINEERING

merit of 10+2 w ith candidates having at least 55% marks.

- **M Pharmacy**: Through GPAT/ HPCET or any other recognized 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 55% marks.
- **PhD:** Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET/ M Phil qualified candidates are exempted from entrance test.

- Reservation of seats for bonafide 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 Government rules.
- 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.

PROF ADESH K SAINI

PhD; Post Doc NICHD, USA

Dean

Dr Saini received his PhD from University of Delhi for 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 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, and role of yoga interventions for maintaining redox health of cells.

Faculty of **Science**

The Faculty of Science is dynamic and progressive in its development of new programme initiatives. It 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.

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 Rajesh Sharma, M Phil, PhD, NET; Energy
Dr Pradeep Singh, PhD; Physical Chemistry

ASSISTANT PROFESSORS

Dr Amit Kumar, PhD, NET; Physical Chemistry
Dr Mamta Sharma, PhD; Botany
Dr Amita Kumari, PhD, NET; Botany
Dr Rachna Verma, PhD, M Phil, NET; Botany
Ms Shailja Kumari, NET JRF, M Phil PhD (Pursuing); Zoology
Dr Shreya Jamwal, PhD, SET; Zoology
Dr Prerna Bhardwaj, PhD; Botany
Dr Shankharoop Ghoshal, PhD, NET JRF; Environmental Sciences
Dr Deepika Jamwal, PhD; Inorganic Chemistry
Dr (Mrs) Pankaj Raizada, PhD; Inorganic Chemistry

Mr Raj Kumar, M Sc. NET JRF; Physical Chemistry
Dr Sourabh, PhD; Inorganic Chemistry
Dr Joydeep Das, PhD, NET; Organic Chemistry
Dr Gaurav Sharma, PhD; Chemistry
Dr Pooja Shandilya, PhD; Chemistry
Dr Amritpal Singh, PhD; Chemistry
Dr Gururaj Kudur Jayaprakash, PhD, Post Doc; Chemistry,
Dr Anirban Saha, PhD, Post Doc; Physics
Dr Rakesh Kumar Shukla, PhD; Statistics
Dr Mamta Shandilya, PhD; Nanophysics
Ms Radha, M Phil; PhD (Pursuing); Botany
Mr Kasahun Gudeta Gutema, M Sc. PhD (Pursuing); Zoology
Mr Tokuma Getahun, M Sc, PhD (Pursuing); Chemistry
Mr Sagar Dhakal, M Sc, PhD (Pursuing); Chemistry
Mr Sunil Kumar Sharma, M Sc, PhD (Pursuing); Chemistry
Ms Vasudha Hasija, M Sc, PhD (Pursuing); Chemistry
Mr Abhinandan Kumar, M Sc, PhD (Pursuing); Chemistry
Ms Shweta Sharma, M Sc, PhD (Pursuing); Chemistry
Ms Anita Sudhaik, M Sc, PhD (Pursuing); Chemistry
Mr AD Jara, M Sc, PhD (Pursuing); Materials Science
Dr Pawan Kumar, M Phil PhD; Physics
Mr Rammani Adhikari, MSc, PhD (Pursuing); Physics
Mr Ankeet Bhagat, M Sc, PhD (Pursuing); Zoology
Mr. Rohit Jasrotia, M Sc, PhD (Pursuing); Physics

ACADEMIC PROGRAMMES

- B Sc (Hons) Botany
- B Sc (Hons) Zoology
- B Sc (Hons) Chemistry
- B Sc (Hons) Physics
- M Sc Botany
- M Sc Zoology
- M Sc Zoology with Research
- M Sc Genetics with Research
- M Sc Chemistry
- M Sc Chemistry with Research
- MSc Pharmaceutical Chemistry
- M Sc Physics
- MSc Physics with Research
- M Sc Environmental Sciences
- M Phil Botany
- M Phil Zoology
- M Phil Chemistry
- M Phil Physics
- M Phil Environmental Sciences
- PhD Botany
- PhD Zoology
- PhD Genetics
- PhD Chemistry
- PhD Physics
- PhD Environmental Sciences

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

BSc (Hons) Botany
Eligibility 10+2 (PCB) with minimum 55% marks
Duration 6 semesters
Seats 30

BSc (Hons) Zoology
Eligibility 10+2 (PCB) with minimum 50% marks
Duration 6 semesters
Seats 30

BSc (Hons) Chemistry
Eligibility 10+2 (PCM/ PCB) with minimum 55% marks
Duration 6 semesters
Seats 40

BSc (Hons) Physics
Eligibility 10+2 (PCM/ PCB) with minimum 50% marks
Duration 6 semesters
Seats 30

MSc Botany
Eligibility BSc with Botany as one of the subjects with minimum 50% marks
Duration 4 semesters
Seats 60

MSc Zoology
Eligibility BSc with Zoology as one of the subjects with minimum 50% marks
Duration 4 semesters
Seats 45

MSc Zoology with Research
Eligibility BSc with Zoology as one of the subjects with minimum 60% marks
Duration 4 semesters
Seats 15

MSc Genetics with Research
Eligibility BSc in Life Sciences with minimum 60% marks
Duration 4 semesters
Seats 30

MSc Chemistry
Eligibility BSc with Chemistry as one of the subjects with minimum 50% marks
Duration 4 semesters
Seats 65

MSc Chemistry with Research
Eligibility BSc with Chemistry as one of the subjects with minimum 60% marks
Duration 4 semesters
Seats 20

MSc Pharmaceutical Chemistry
Eligibility BSc with Chemistry as one of the subjects with minimum 50% marks.
Duration 4 semesters
Seats 45

MSc Physics
Eligibility BSc with Physics as one of the subjects with minimum 50% marks.
Duration 4 semesters
Seats 30

MSc Physics with Research
Eligibility BSc with Physics as one of the subjects with minimum 60% marks
Duration 4 semesters
Seats 10

MSc Environmental Sciences
Eligibility BSc in any stream with minimum 50% marks
Duration 4 semesters
Seats 30

M Phil Botany
Eligibility MSc in Botany or related subject with minimum 50% marks
Duration 2 semesters
Seats 05

M Phil Zoology
Eligibility MSc in Zoology or related subject with minimum 50% marks
Duration 2 semesters
Seats 05

M Phil Chemistry
Eligibility MSc in Chemistry or related subject with minimum 50% marks
Duration 2 semesters
Seats 05

M Phil Physics
Eligibility MSc in Physics or related subject with minimum 50% marks
Duration 2 semesters
Seats 05

M Phil Environmental Sciences
Eligibility Master's in sciences/ technology or related subject with minimum 50% marks
Duration 2 semesters
Seats 05

PhD Botany
Eligibility MSc in Botany or related subject with minimum 55% marks
Duration 6 semesters
Seats 06

PhD Zoology
Eligibility MSc in Zoology or related subject with minimum 55% marks
Duration 6 semesters
Seats 06

PhD Genetics
Eligibility MSc in Genetics or related subject with minimum 55% marks
Duration 6 semesters
Seats 02

PhD Chemistry
Eligibility MSc in Chemistry or related subject with minimum 55% marks
Duration 6 semesters
Seats 10

PhD Physics

Eligibility MSc in Physics or related subject with minimum 55% marks
Duration 6 semesters
Seats 06

PhD Environmental Sciences

Eligibility MSc in Environmental sciences or related subject with minimum 55% marks
Duration 6 semesters
Seats 06

BASIS OF ADMISSIONS

Merit of the qualifying examination or otherwise specified entrance exams for the following programmes

- **M Phil**: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET qualified candidates are exempted from entrance test.
- **PhD**: Through Shoolini University Entrance Test followed by personal interview. JRF/ NET/ SET/ M Phil qualified candidates are exempted from entrance test.

- Reservation of seats for bonafide 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 Government rules.
- 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.

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PROF Y S NEGI PhD

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.

Faculty of **Agriculture**

The Faculty of Agriculture aims to instill 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.

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, (Agricultural Economics)
Prof DR Sharma, PhD (Genetics)
Prof UK Kohli, PhD (Vegetable Sciences)

PROFESSORS

Prof Y S Negi, PhD; Wildland Resource Sciences Economics, USA
Prof GK Sharma, PhD; Agro Forestry
Prof Satish Kumar Gupta, PhD; Plant Pathology
Prof Krishan Kumar, PhD; Horticulture

ASSISTANT PROFESSORS

Dr Lobzang Stanzen, PhD; Agronomy
Dr Parvani Sharma, PhD; Agriculture Extension Education
Dr Salena Janjun, BVSc, MVSc
Dr Amit Kumar, PhD; Entomology
Dr Mansoor Ali, PhD; Soil Science

Academic Programmes

- B Sc (Hons) Agriculture
- MSc Agriculture (Specialization: Entomology, Plant Pathology, Agriculture Economics, Agriculture Extension Education, Agronomy, Soil Science, and Plant Breeding and Genetics)

ACADEMIC PROGRAMMES – ELIGIBILITY, DURATION & NUMBER OF SEATS

BSc (Hons) Agriculture

Eligibility 10+2 (PCB/ PCM) with minimum 55% marks
Duration 8 semesters
Seats 60

MSc Agriculture (Specialization: Entomology/ Plant Pathology/ Agriculture Economics/ Agriculture Extension Education/ Agronomy/ Soil Science/ Plant Breeding and Genetics)

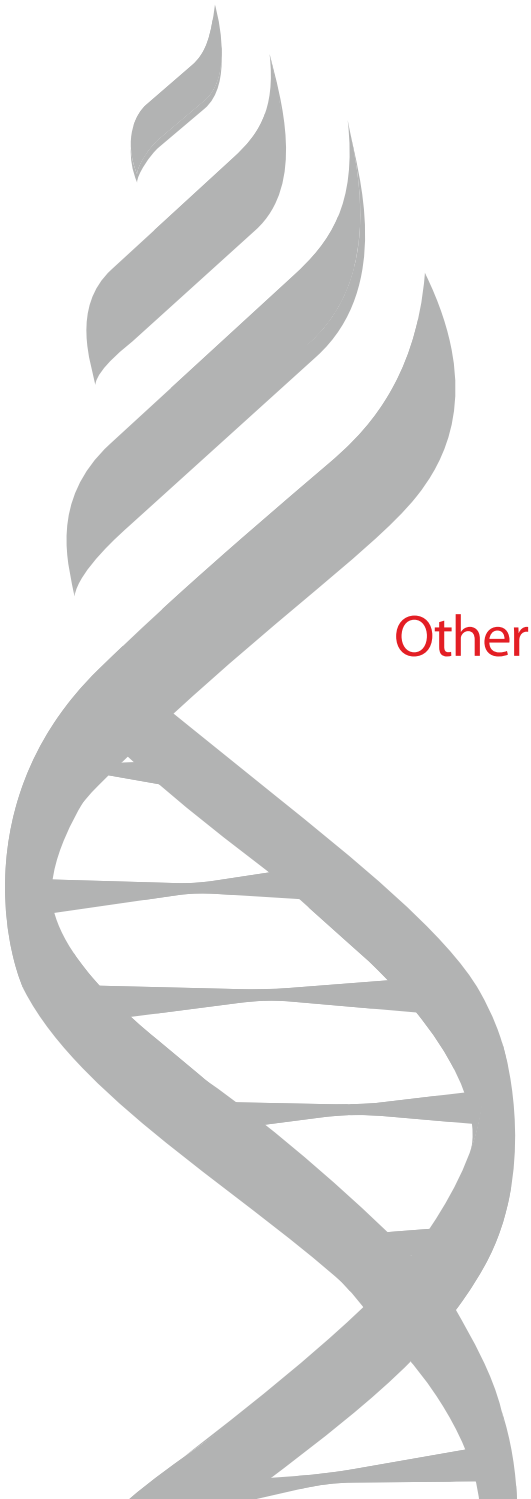
Eligibility BSc in Agriculture/ Horticulture with 6.00 OGPA or minimum 60% marks
Duration 4 Semester
Seats 70

BASIS OF ADMISSIONS

Merit of the qualifying examination or otherwise specified entrance exams for the following programmes:

- **MSc Agriculture**: Through Shoolini University Entrance Test.

- Reservation of seats for bonafide 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 Government rules.
- 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 Superintendents, 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

- All students must register with the University after their admission and again at the beginning of each semester as notified from time to time.
- 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.
- Failure to complete registration in time will lead to cancellation of admission. In that case, they have to seek readmission.

Refund of Fee

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

%age of refund of aggregate fees withdrawal of admission is served	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 trousers, maroon tie, and navy blue blazer with an insignia on the pocket, gray socks and black shoes. Tie and insignia shall be provided by the university at a reasonable cost. The postgraduate students, however, follow the above dress code on formal and ceremonial occasions. Students should procure dress as per dress code within two weeks from the commencement of the academic year.

Education Loans

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

ANTI-RAGGING COMMITTEE

Members	Phone Number
Prof Poonam Nanda, Convener	082194-43632
Dr Deepak N Kapoor, Co-convener	096461-42349
Ms Rita, Hostel Superintendent	092183-01018
Dr (Mrs) Mamta Sharma Assistant Prof (Botany)	070185-78162
Brig. Sunil Mehta	099888-53703
Mr Lalit, Hostel Warden	094181 – 75744
DM Solan (Nominee of District Admn.)	0179-2223707
Dr Neeraj Gandotra, Chief Warden	094182-74612

Anti-Ragging

Ragging, an act where a vulnerable or weak junior is victimized by a senior is perceived by Shoolini University to be psychologically scarring for both the perpetrator and the victim. The University takes a very serious view of ragging in any form and is committed to creating within its precincts conditions that prevent the perpetration of any act of ragging by seniors, or in the event of such act being committed, the means for swift and uncompromising punitive action that could be in the form of a fine of Rs 25,000.00 or expulsion from the institution. In order to make available to its students an environment that is conducive to study, and free of fear and intimidation, Shoolini University has put in to effect in full the anti-ragging regulations of the UGC. Anyone found involved in ragging shall be punished as per these regulations. All students and their parents/ guardians are required to submit affidavit (pro forma enclosed) regarding ragging at the time of admission as per UGC Anti-ragging regulations.

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

NBA ACCREDITATION

The B Pharmacy programme is accredited by National Board of Accreditation (NBA).

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?

- Select your course of choice at www.shooliniuniversity.com and satisfy yourself about your eligibility for the course.
- Start filling the Admission Form online at www.shooliniuniversity.com through our 'Apply Now' tab.
- On submission of your complete online admission form, you will be required to pay Rs. 850/-.
- You can download the free copy of the university prospectus online through our website.
- Alternatively, you can buy the physical prospectus from Shoolini University City Office (The Mall, Solan) Counter/ University's Kasauli Hills Campus for Rs. 400/-. Physical copy of the prospectus is available only after submitting the application 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.

SOME FACTS

1 hour 30 minute drive from **Chandigarh International Airport**
1 hour drive from Shimla, the scenic capital of Himachal Pradesh
30 minute drive from the beautiful hills of **Kasauli**
20 minute drive from **Solan,** closest narrow gauge rail station
30 minute drive from **Barog**

FEE STRUCTURE

Fee Proposed for Academic Year (2020-21)	FEE Annual Tuition Fee (Rs.)
B Tech Mechatronics/ Automobile Engineering/ Biotechnology/ Food Technology/ CSE/ Biomedical	1,51,580
B Tech Biotechnology/ Food Technology with Summit Research Program	1,66,580
B Tech CE/ ME/ IT/ EE	1,39,178
B Com (Hons)/ BBA / BA (Hons) Economics/ BCA	81,620
B Pharma	1,16,600
B Pharmacy Summit Research Programme (SRP)	1,32,916
B Pharma (Practice)	53,530
BA (Hons) English	58,300
BA JMC	72,875
B Sc (Hons)/ BA Mathematics	81,620
BA/ BSc Education	58,300
B Sc (Hons) Botany/ Zoology/ Physics/ Chemistry	78,689
B Sc (Hons) Biotechnology/ Food Technology/ Microbiology	82,436
B Sc Nutrition and Dietetics	1,15,000
B Sc Hons Agriculture	97,581
BSc/ BA Yoga	58,883
B Sc Culinary Arts	115,000
B Sc Hospitality & Hotel Administration	115,000
B Sc Hons Tourism and Travel Management	81,620
M Sc Data Analysis	1,07,060
Integrated B Sc Hons & M Sc Programme Biotechnology/ Microbiology	87,000
M Sc Biotechnology/Microbiology, Food Tech/ Nutrition and Dietetics/ Biochemistry	1,07,060
M Sc Biotechnology/ Food Technology/ Microbiology (Research)	1,17,060
M Sc Botany/ Zoology/ Environmental Sciences/ Physics/ Chemistry/ Pharmaceutical Chemistry	96,354
M Sc Chemistry/ Zoology (Research)	1,06,354
M Sc Physics (Research)	1,07,060

M Sc Agriculture (Agronomy, Agri. Extension. Edu, Agri. Economics, Entomology, Plant Path, Soil Sc., Plant Breeding & Genetic	1,07,060
M Sc Genetics Research	1,17,060
M Sc./MA Mathematics	74,942
MA English Literature/ Economics	69,589
MA Journalism	80,000
PG Diploma in Journalism	99,400
MA/M Sc Yoga	74,942
BA LLB	99,990
LLB	91,809
LLM	80,000
MBA	2,19,420
MBA Executive	2,67,650
M Pharma	1,39,920
M Tech CSE/ CE/ ME/ Energy Technology/ECE/ Bio Tech/Food Tech	1,28,472
M Phil Biotechnology/ Microbiology/ Environmental Sciences/ Zoology/Chemistry	1,07,060
M Phil Botany	1,39,178
M Phil Physics	1,34,360
PhD Botany/ Zoology/ Chemistry/ Physics/ Genetics/Microbiology/ Biotechnology/ Food Tech/ CSE/ECE/ CE/ ME/ Energy / Environmental Sciences/ Pharmaceutical Sciences	1,51,580
PhD Management/ Economics/ HR/ Yoga/ English/ Legal Sciences/ Mathematics/ Disaster Management	1,21,900

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.

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

Disclaimer: This brochure provides general information and cannot form the basis of any legal commitment. The university reserves the right to make amendments whenever required without any prior notice. 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.

Welcome to Shoolini

Shoolini University of Biotechnology & Management Sciences
Kasauli Hills, Oachghat-Kumarhatti Road, Dist. Solan, HP
1.5 hours from Chandigarh
City Office: The Mall, Solan - 173212, HP - India
Mailing Address: Post Box No. 9, Solan - 173212, HP - India
Phone/ Fax: +91-1792-308000

For Admissions, Call: +91 70180-07000
or email us at: admissions@shooliniuniversity.com