

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 airport is 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.

Important Contact Numbers
Admission Office :
96252 - 33301, 96252 - 33302, 96252 - 33303
Email : admissions@shooliniuniversity.com



Main Campus Oachghat - Kumarhatti Road, Dist Solan, HP
City Office The Mall, Solan - 173212, HP
Mailing Address Post Box No. 9, Solan - 173212
Phone/Fax 01792 - 308000
www.shooliniuniversity.com

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.



www.shooliniuniversity.com



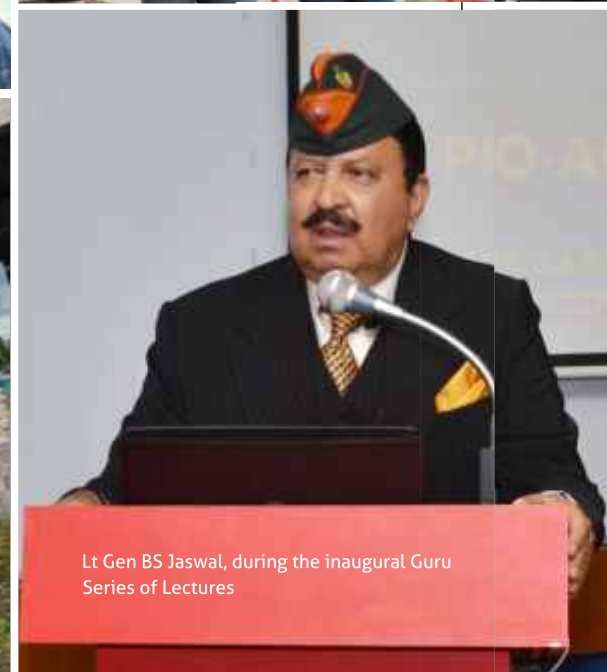
Information Brochure

ACCOLADES





Mr Vishal Anand, Trustee Shoolini University, receiving Great Place to Study Award from British MP Bob Blackman at The House of Commons, UK



Lt Gen BS Jaswal, during the inaugural Guru Series of Lectures



"Why not Shoolini amongst top 100 Global Universities..."
Dr. APJ Abdul Kalam at Shoolini University's First Convocation

Our Vision

To be a top 200 global university by 2022

Our Mission

To provide the ideal environment for higher learning with a serene and beautiful campus, state-of-the-art facilities and a creative atmosphere conducive to excellence in pursuit of knowledge.

Be a knowledge leader in our selected specialties in academia; provide outsourcing and consultancy services to industrial/ organizational setups in this domain.

Encourage our students to be "balanced-specialists", who excel in their own field, while being well-rounded through personality-development and extra-curricular activities.

Develop students who will be recruited by the best employers, and who will contribute to the economic vitality of the state and country.

Create an environment to attract top faculty; and build a pool of academic leaders by providing the right ambience and resources.

Develop a Centre for Excellence on Sustainable Development with an unequivocal focus on its ecology and economy.



Inside

Marching Ahead	01
From the VC's Desk	03
From the Chancellor's Desk	05
Leading University in North India	07
Best in Class Faculty	11
High Impact Research	13
Great Learning Begins Here	15
Our Knowledge Initiative	17
Unique Skill Enhancement	19
Placements at Shoolini	21
International Exchange Programme	25
Academic & Industrial Linkages	27
eUniv Initiative	29
Our Social Responsibility Initiatives	31
Our Innovative Initiatives	33
Vibrant Campus	37
Our Education Focus	41
Shoolini University Strengths	43
University Governance	45
Academic Leadership	47
Shoolini Milestones	49
Faculty of Applied Sciences & Biotechnology	54
Faculty of Engineering & Technology	63
Faculty of Management Sciences & Liberal Arts	75
Faculty of Pharmaceutical Sciences	87
Faculty of Basic Sciences	94
Other Information	103
Approvals/ Recognitions	109

India's **1st**
Biotechnology
University

Ranked
among the top **2nd**
Biotech national institutions

Great Place
to study in India

Most Upcoming
Engineering
College in North India

Continuous
Mentoring
by industry professionals

20 acres of
lush green campus

Excellent University for
Research
in Biotechnology Sciences

Most Upcoming
Business
School in North India

DNA BsSchool Award
Innovation in
Placements

Ranked **19th** among top private
B Schools in India

Thriving
alliances with
industry & academia

Large No. of
internationally acclaimed
corporate leaders

Preamble

Shoolini University was founded on the ethos of providing excellence in education and research.

The Foundation for Life Sciences and Business Management was established in 2003-04 with the aim of working in areas of higher education and research, and helping set up entrepreneurial ventures in biotechnology and related fields.

Prof PK Khosla, an internationally renowned academician and scientist, conceived the idea of integrating higher education and research during a visit to United Kingdom in 2003. He joined hands with renowned NRI, Mr Ramesh Mehan and Mr Satish Anand, a local businessman with vast experience in local infrastructure development, for this venture.

The executive members of the Foundation are academicians and professionals with

distinguished backgrounds. Prof PK Khosla, former Vice Chancellor, HPAU, Palampur and former Senior Scientific Advisor, Biotechnology, HP Government is at the helm of the management and functioning of the Foundation

The Foundation, with the support of visionary educationists, scientists, administrators who are on either its Executive and Advisory Boards or a part of the faculty, has very successfully set up the Shoolini Institute of Life Sciences and Business Management (SILB). The institute is affiliated to Himachal Pradesh University, Shimla and has attained several distinctions. It is one of the most sought after institutes for higher education in biotechnology, microbiology and management.

With the vision of building a world- class university which combines academic and teaching pursuits with a research driven model - the Foundation put forward a proposal for setting up of a University of Biotechnology and Management Sciences to HP Government in 2005.

The Shoolini University of Biotechnology and Management Sciences came into existence in September, 2009 under the auspices of the Foundation for Life Sciences and Business Management

The Foundation has significantly invested for developing well equipped state of the art labs, classrooms, hostels, indoor stadium, out door sports facilities, eco-adventure camp, meditation hall, computer centre and library. Special efforts are made to recruit and retain the best faculty for creating a challenging work environment and access to global information

sources. Faculty members are expected to drive research through research grants from national and international donors. The research facilities will also serve as an incubator for the HP Biotechnology and Nanotechnology Parks being set up nearby.

The Foundation is committed to UGC regulations (2003) for Private Universities and will also follow the guidelines of different regulatory bodies (AICTE, PCI, ICMR, ICAR, CSIR, etc). Partnerships with industry, academia and the Government shall be the special focus of the University. These linkages will help in customizing education to the needs of the industry, leveraging the best available teaching resources, and participating in the quest for a better quality of life for the people in the region.

Lastly, we believe that the prime objectives of the university will be

towards sustainable development of the Himalayan region in general and Himachal Pradesh in particular. It is intended to document, gratify its bio, physical and social reasons for developing strategic plan for the development of the Himalayan region.

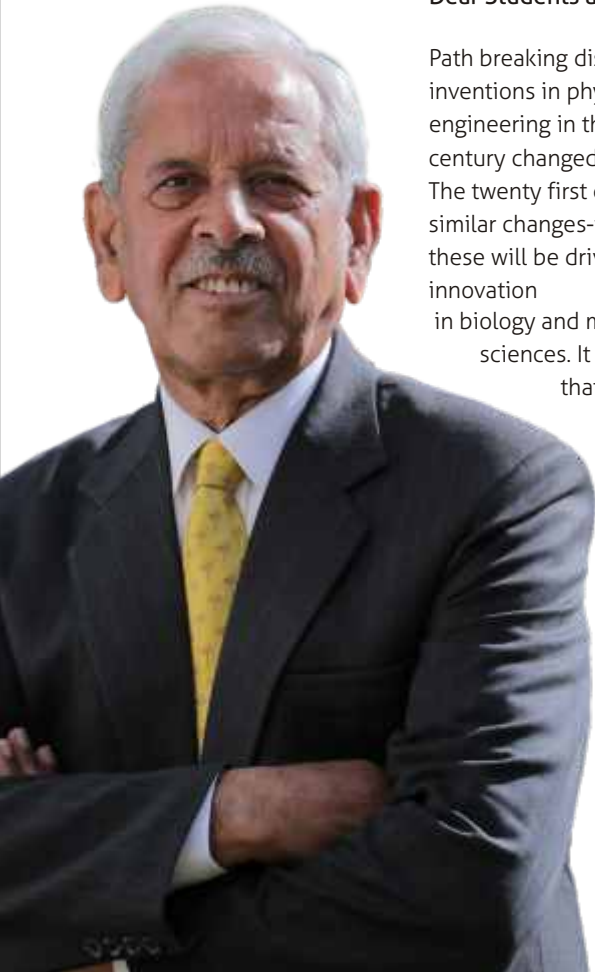
All developmental pursuits in Shoolini University are undertaken with an eye on harnessing Himalayan resources without jeopardizing its ecology. Shoolini University aims to concentrate all its teaching and research activities with a focus on welfare of the Himalayan people.

The university is putting all its weight behind playing a significant role in helping to achieve this objective. Developing Shoolini University into one of the best global universities is the prime mission of the Foundation.



Welcome to a University Synonymous with Excellence

Shoolini University is the dream of many great minds who believe in the power of change. This non-profit university was established with the aim to impart quality education and a holistic approach to research.



Dear Students and Parents

Path breaking discoveries and inventions in physics and engineering in the twentieth century changed the way we live. The twenty first century will have similar changes-though this time these will be driven by innovation in biology and management sciences. It is no surprise that a career in these disciplines is now emerging as a preferred option - at par with, or even more preferred than medicine or engineering.

However,

considering the rapid pace of innovation in these areas, a high degree of specialized knowledge is important to build a winning career. To make an impact in these fields, the latest learning and specialized domain expertise is the single most critical factor of success.

Our vision behind Shoolini University of Biotechnology and Management Sciences is to provide students with an opportunity to learn from and interact with top-most experts in their field of expertise. We also endeavor to develop Shoolini University into an internationally recognized centre of research and education. The university's model is to blend expertise in biosciences with the principles and practices of engineering and business management to create exceptionally skilled human resource for future leadership

positions in academia and industry. 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 vision a reality.

To achieve these goals, we are proactively building faculty, infrastructure and developing an atmosphere where our students acquire cutting edge skills and domain knowledge. We also seek to give our students the appropriate environment to build on their creative and social aspirations. I am confident that with the support of senior faculty and our esteemed panel of advisors, this institution of higher learning shall become a prestigious part of the educational hub and realize its vision to be a top 200 global university by 2022.

To ensure Shoolini University continues as a primary source of

knowledge and learning, a knowledge centre is being established to provide students and alumni with access to world class research, learning materials and leading experts.

We are committed to provide holistic and meaningful education to our students through dynamic curriculum incorporating the latest pedagogy.

The centerpiece of this curriculum will be job-oriented and as per the needs of the industry and corporate sector. For Engineering, we have planned to adopt the curriculum of IITs. Similarly, the curricula for other courses shall be that of reputed organizations in the country. In the past 12 months, a dozen engineering and science students from Shoolini went to South Korea under the Student Exchange Programme. In 2015, a similar number of students will visit South Korea, Taiwan and China. Similarly, a student from Taiwan is studying a semester here.

Shoolini University's distinctiveness emanates from

committed governance and support from the foundation, strong alliances and linkages with industry and academia, high caliber faculty, brilliant students and state-of- the-art infrastructure.

Shoolini University has adopted high standards of education, which have received recognition and appreciation from various bodies. It is now recognised by the University Grants Commission (UGC), approved by Pharmacy Council of India (PCI), and rated 2nd amongst top ten Private Biotech Institutes in the country in a recent survey conducted by BioSpectrum, a prestigious and exclusive national magazine on biotechnology. The university was also awarded 'Excellent University for Research in Biotechnology Sciences' by Gujarat Technological University & CCI.

The past year saw Shoolini add another feather in its cap. The University was awarded Great Place to Study by SkillTree Education Consortium at the House of Commons, UK.

On the infrastructure front, Shoolini bagged a financial assistance of Rs 74 lakh under the Human Resource Development Scheme for creation of Infrastructure Development facilities for B Tech & M Tech Food technology courses by the Ministry of Food Processing Industries (MOFPI), GOI.

Furthermore, to boost Defence related activities a Defence Research and Development Cell has also being established in the campus.

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

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.

Initiate the Change न हि ज्ञानेन सदृशं पवित्रमिह विद्यते

Here (in this world), there is nothing as pure (sublime) as knowledge

I am a sincere believer of the philosophy - that knowledge alone can liberate and elevate mankind. Knowledge is the ultimate power that helps us to shake the shackles of ignorance and be free.

As India makes strides of progress in this globally competitive environment, it is the quality of education that we will provide to the young generation of today that will give us the edge to keep ahead in all spheres.

I also strongly believe that the focus of global development and research in the coming years will be the life sciences. Innovative ways of applying basic, engineering,

management and computer sciences to this purpose should therefore be the thrust of higher education today as it will directly influence the preparedness of today's India for a better tomorrow.

Many years ago an artist and a philosopher named Nicholas Roerich made the Himalayas his home. His creations were a direct result of the inspiration that these mountains provided him. Almost a century ago he wrote in an article- "...only in Himalayas, exist the unique, unprecedented, calm conditions for achieving results."

In my capacity as the first Chancellor of the Shoolini University, I express my gratitude to the Government and the people of Himachal Pradesh for giving us the opportunity to set up this life sciences and management sciences' university

in the picturesque and inspirational settings of this beautiful state.

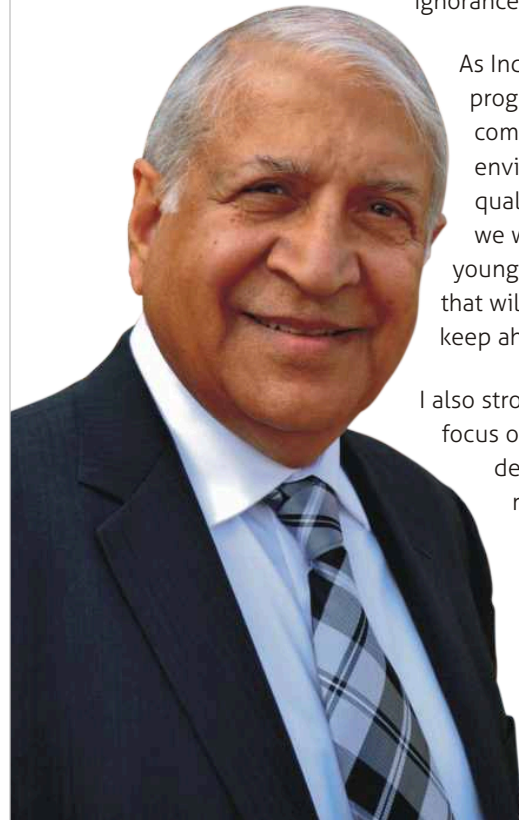
At Shoolini University, we aspire to translate our vision of providing world class education in biotechnology and management sciences and facilitating research and innovation in these areas.

I invite you to be a stakeholder in this dream- as a student, a faculty member or just as a citizen of a progressive and forward thinking society- and turn it into reality.



R. K. Mehan
Chancellor

Ramesh K Mehan, BE, MSIE (Kansas State University), MBA (Dayton University) is the Managing Director of five Ohio based US companies



SHOOLINI UNIVERSITY

Cherish Your Dreams

The Leading University in North India

Shoolini University is a leader in the field of academics and has made giant strides towards delivering quality education and research in the country.

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 and international faculty; forging alliances with industry and academia of repute; governing through values and transparency; building world class and environment friendly infrastructure; and attracting brilliant and needy students.

Nationally and internationally renowned academicians form the faculty at Shoolini

University; one and a half dozen are post-docs and 65 PhDs who are involved in guiding innovative research to 195 PhD scholars in a vibrant research environment. The University has attracted more than Rs 150 million as research grants on biotech related projects, which are funded by various national organizations.

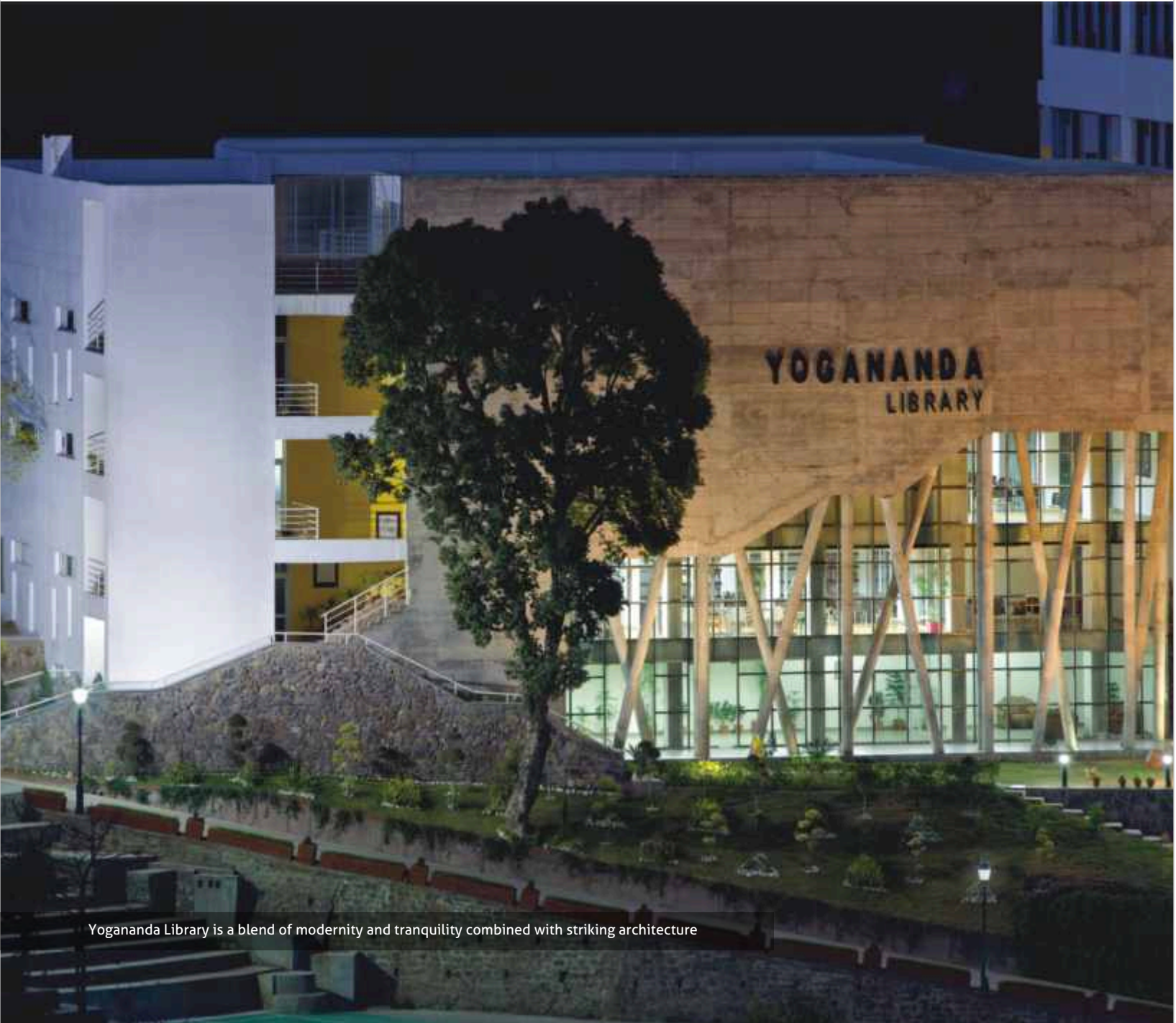
Since inception, we have achieved multiple successes: awarded 'Great Place to Study' by SkillTree at House of Commons, UK; recognised as Excellent University for Biotechnology Research by CCI & Gujarat Technical University; ranked 2nd amongst India's private biotech institutions by BioSpectrum 2012; Best Upcoming Private Business School by ASSOCHAM 2103;

Most Upcoming Engineering College in North India by ASSOCHAM, 2014; ranked nineteenth among top private business schools in India by Dainik Bhaskar; full recognition By UGC in our second year of operations; best placements in the region across disciplines including MBA, engineering, pharmacy and biotechnology.

Shoolini has strategic academic alliances with leaders such as Genpact; Anand Automotive Group; Seoul National University, South Korea; Chung Yuan Christian University, Taiwan; The University of Suwon, South Korea; University of Ulster, Northern Ireland; Gachon University, South Korea; Bukovinian State Medical University, Ukraine; Gwangju

Institute of Science and Technology, South Korea; Lanzhou University, China; Pharmacy and Poisons Board, Kenya, and Sierra Biolife, Australia.

The University is managed by academicians with proven record of their commitment for providing meaningful education, and by senior corporate leaders with promise for innovation and skills development. Its sprawling campus is a state-of-the-art facility located in the sylvan environs of the mid-Himalayan mountains, and is an ideal destination for academic romance and research pursuits.



Yogananda Library is a blend of modernity and tranquility combined with striking architecture



Shoolini University
has the largest
number of full time
170+ faculty amongst
all private universities
in Himachal Pradesh

Best in Class Faculty

Always at the forefront of teaching and learning of high quality, Shoolini University is setting new benchmarks for higher education in the region. This has been possible by engaging highly qualified and well informed faculty, fully knowing that excellence of its academic staff shapes an enriched learning experience for the students.

The university has superb teaching facilities, which include modern lecture theatre technology, state-of-the art laboratories and online teaching tools.

The programmes are supported by a range of innovative teaching and learning methods that stimulate students to develop their full potential. To promote effective learning, the class strength is small with a high level of student-teacher interaction.

Our commitment to excellence in teaching and research helps us to attract quality teachers with the competent skills and knowledge to set you on track to a satisfying career.

We have with us nationally and internationally acclaimed full-time faculty who have several years of experience either as academicians or having worked at senior positions in the industry and corporate organisations. The faculty is thus able to deliver a healthy mix of practical insights and academic rigour in the classroom.

For recruitment of faculty, a four tier system is followed in the University. The top tier includes learned and established scholars 'Professor of Eminence'. The second tier includes over three dozen Post Doc teachers from USA, Japan, Europe, Taiwan, Korea and other reputed centres of

excellence abroad. Doctorate level teachers from renowned institutes in India form the bulk of the faculty and constitute the third tier while the last tier belongs to brilliant teachers who have registered for PhD in pre-determined areas of specialization to fulfill the future requirement.

High standards of research, training and teaching at Shoolini ensure that all our programmes are updated by the latest innovations, and are taught by academic staff at the very top in their field.

Our School of Business Management has strong links with leading international business schools which aid in

delivering a globalized management curriculum.

Similarly, the other four faculties, namely, Faculty of Engineering and Technology, Faculty of Basic Sciences, Faculty of Biotechnology and Faculty of Pharmaceutical Sciences have also developed alliances and tie ups with renowned institutions and corporates for delivering world class education to the students.

All programmes at Shoolini are flexible to meet the needs of the industry and the corporate world in order to enhance the employability of students.



Pro Vice Chancellor Atul Khosla with senior faculty outside Yogananda Knowledge Centre

High Impact Research

Shoolini's focus of research is centred around the economics, biodiversity and sustainability of the Himalayas.

Experienced faculty members with international exposure are pursuing researches which form the foundation of Shoolini's educational excellence, its innovation and its impact on society.

Our researches relate to interdisciplinary challenges that cross traditional boundaries – from linking biotechnology to biodiversity conservation, sustainability and human health, nanotechnology, low cost food processing technologies, non-conventional energy resources, to addressing the complexity of climate change not only through basic and environmental sciences but also through management sciences.

The university has been successful in obtaining over Rs

150 million as research grants from various funding departments and agencies of Government of India.

We are investigating yeast's enzyme substrates which can serve as potential candidates for cancer treatment in humans. We have isolated a bacterial strain from glaciers of Himachal Pradesh that produces a lactase protein, which has potential applications in treatment of lactose intolerance in humans.

The pharmacological group is engaged in isolating bioactive leads from the pine trees for the cure and prevention of osteoporosis disease affecting our people. We are also developing biosensor based technologies for diagnosis of

human diseases like rheumatic heart and celiac.

We are assessing the consequences of river valley projects on endangered fish 'Golden Mahseer' at molecular level, and identifying unique genes in a fern plant that are associated with its resurrection after near total desiccation. With the extensive modification of watersheds by the people and increased urbanization, we are determining the response of hill stream benthic fauna to habitat-loss, fragmentation and organic pollution.

Other significant areas of research involve physiology of medicinal plants in response to different environmental stresses; the thinnest material

graphene and new composites for improving our quality of life; preparation of nanomaterials for defence and industry. Our researchers are investigating the hidden potential of plant-growth-promoting rhizobacteria for crop improvement. At Faculty of Engineering and Technology, a group of researchers is focussed on research in automation and robotics.

Climate change is the major overriding environmental issue of the 21st century. We have taken up 'Studies on atmospheric surface ozone and particulate pollutants in Kullu Valley in northwest Himalaya' that would provide clues to climate change in the world's most fragile ecosystem, the Himalayas.



Researcher in Biosensor lab

Great Learning Begins Here

Infrastructure that is a step ahead of the rest in terms of quality and innovation With constant improvements, we strive to make your stay with us enjoyable with state of the art infrastructure built aesthetically and thoughtfully to enhance your learning experience.

The beauty of Shoolini's natural surroundings of the Himalayas and its built up environment amidst the pines are its key assets. Located in the Shimla Hills, our 20 acre sylvan campus has world-class infrastructure that facilitates excellence in academics and research, and provides a fun filled and friendly atmosphere supported by extracurricular activities.

The award winning Yogananda library is an epitome of distinctive architecture that dominates the campus. With its digitization, all its facilities are accessible from anywhere on a computer with internet access. The lush green terrace of the library provides unique facility of reading books on the refreshing grass in the sun on wintry days.

We regularly refurbish our 25 state-of-the-art research laboratories; labs for Enzymology & Molecular Biology, Gene Regulation, Microbial Biotechnology, Animal Biotechnology, Yeast Biology, Molecular Plant Microbe Interaction, Human & Animal Pathogens, Biocatalysis & Protein Engineering, Molecular Immuno-Parasitology, Computational Biology, Photonics, Food Fermentation & Biosensor Technology, Nutraceuticals & Functional Foods, Enzyme Technology, Ferroelectrics, Experimental High Energy Physics, Nanotechnology, Medicinal Chemistry, Mycology, Pharmacology, Drug Delivery, Food Technology, Solar & Thermal Energy and Hydraulics, Advanced Chemistry, Computer Science

& Engineering. Fully Wi-Fi campus has central as well as departmental IT facilities, seminar and conference rooms, a studio for producing e-Univ lectures, a students' activity centre with a 200-seated mini cineplex and an aerobics room.

Encouraging sportsmanship within students is our prime motto. The university houses an indoor sports complex which has badminton, table tennis, music and boxing facilities. In addition, it has a basketball court, a gymnasium and facilities for volleyball and cricket.

An outdoor obstacle course offers activities ranging from rope climbing to Burma Bridge and Tarzan swing to various kinds of jumps. The course has

been designed on the model as prevalent in the army with all safety aspects. Various student clubs and societies connect students with a stronger sense of community while providing opportunities for interpersonal and leadership development.

They also provide opportunities for students to show case their talents in music, performance art, painting, photography, cooking, etc. One can also walk into one the several indoor and outdoor cafés for a get-togethers.

Separate hostels for boys' and girls' are located in the campus; five girls' and four boys' hostels act as the second home to over 1,500 students.



Roof top green terrace of the library where students can read while sunbathing in the winters

Our Knowledge Initiative

With the 'Guru' Series of Lectures, we bring eminent personalities from all walks of life to Shoolini University to speak on topics of broad interest, providing a platform for intellectual discourse and lifelong learning.

In this age of competition where the focus is always on the holistic growth, students often need that little extra push and motivation to overcome the obstacles that stand between them and success.

To prosper in a competitive world they need to be constantly challenged, prepared through experiences for the journey which they undertake after completing their education.

At Shoolini University, we firmly believe in the shloka from sacred text of the Bhagwad Gita: The secret of learning is to learn from top experts. Such a thought was the main motivation behind concept of a knowledge initiative.

The Yogananda Knowledge Initiative is a stage where young minds are ignited through motivational talks by leaders under the banner of the Guru Series of Lectures. The series have been named after the great spiritual guru Parmahansa Yogananda whose teachings have inspired millions of people around the world.

By providing our students the opportunities to listen and interact with opinion makers and luminaries from various fields, we hope to inspire, engage and empower them.

Using their exposure to new experiences, we strive to enhance confidence and build character for a fruitful life ahead. Over the years, the

University has invited over 50 distinguished personalities to speak on various topics of importance and relevance to the society.

Lieutenant General Baljit Jaswal is among those who have recently addressed Shoolini students and faculty with a power-pack lecture on 'Proactive Leadership'. Lieutenant General Jaswal is a military veteran who has been bestowed with the PVSM, AVSM (twice) and VSM. Former General Officer Commanding-in-Chief, Northern Command (J&K), Lt Gen Jaswal is acknowledged as India's leading expert in 'Counter Insurgency'.

Major General Ajay Chaturvedi AVSM, VSM (Retired) addressed

the students on the fascinating subject of 'Ecological Challenges of the Himalayan Region'. A mechanical engineer by training General Chaturvedi was the former Chief of Staff, Andaman and Nicobar Command and Chief Engineer Northern Command. Shoolini University's Chancellor Mr Ramesh Mehan also delivered a talk on 'Overseas Success Stories of Indian Students'.

The Deputy Commissioner of Panchkula, novelist and noted IAS officer Mr Vivek Atray delivered a talk on 'Bouncing back in Life'. A young writer Parvesh Chandel, spoke on the nuances of creative writing.



Lt. General BS Jaswal, PVSM, AVSM** and VSM, former GOC-in-Chief, Northern Command addressing students during the inaugural Guru Series of Lectures

Unique Skill Enhancement

We encourage our students to develop key employability attributes through various 'skill enhancement modules' and constantly seek ways of adding value to them.

Shoolini University's 'Sprint' module is inspired by Stanford's mini-MBA programme – designed significantly to upgrade soft skills and capabilities of students, and enhance their employability.

Led by top corporate and industry leaders, 'Sprint' involves exhaustive subject matter sessions combined with technical and soft skills based on highly interactive approach. The outcome enhances the confidence, attitude and effectiveness of the students.

Till date 45 'Sprint' programmes have been conducted and approximately 2200 internal and 300 external students have been trained. More than 100 guest faculty from the different industries have interacted

with our students. The focus of each Sprint Programme is different and it takes the students from 'Campus to Corporate'.

The 'Sprint' is structured around four key modules:
1) Foundation Setting: Usage of MS-Excel and IT in management

2) Curriculum Enrichment: Industry related topics, new developments and advancements, and subject related FAQs

3) Industry Exposure: Guest lectures by industry experts and industry/ plant visits

4) Workshops on communication skills: Written and verbal communication, body language, spoken English, and GD and mock interviews.

GENPACT, the industry and thought leader in business process and knowledge management has partnered with Shoolini University to introduce an elite MBA Programme in Business Process and Operations.

The objective of the partnership is to combine the expertise and capability of both Genpact and Shoolini University to develop and impact a specialized MBA programme to create an immediately employable pool of managers for Genpact and similar organizations.

The Persona Enhancement Programme is designed to develop and hone essential career enhancing competencies such as verbal and written communication, confidence building and a wide range of topics related to

soft skills.

It is a credit course all across the university and carries the same weightage as other core subjects.

A fully qualified dedicated team works in close coordination so as to deliver the same content all across. For the Business School, course is available online through 'eUniv'. Faculty is also available for support and guidance outside the class hours.

We encourage our students to engage in extra-curricular activities such as social service, volunteering, sports and work experience, and at the same time helping them to recognize personal attributes and transferable skills they are developing.



The 'Sprint' session – skill enhancement

Placements at Shoolini

Shoolini University has a dedicated and student-driven proactive placement cell, which look after all activities related to career development, training and placement of students.

India's current university education beyond the IIMs, IITs and a few leading institutions is not completely relevant to the industry. Most students from Indian universities do not consistently have appropriate knowledge, competencies, communication skills or the attitude to succeed in the corporate world.

At Shoolini, we are actively working towards imparting industry relevant management education to our students to create an immediate employable pool of executives and managers.

To achieve this, we have created a unique skills development programme (SPRINT) that is modelled around Stanford University's

mini-MBA, for this objective. The Placement Cell, in coordination with different faculties and schools, conducts campus placements through a gala event 'Placement Week', which is the first of its kind in Himachal Pradesh and is also in conformity with the IIMs and other top B schools in the country.

During the placement week a large number of MNCs and leading companies visit our campus for on spot placements.

The purpose of having placement week is to provide a strategic platform to synergize and facilitate interaction between education and industry with an idea to provide our

students jobs in corporate sector and industries, creating opportunities for students' project-based learning and industrial training.

As a result, our placement programme has emerged as the most distinctive among private varsities in India.

In the past year, 103 leading Indian and multinational companies offered over 750 jobs to graduating Shoolini students. This makes Shoolini among the very few private universities in India to successfully run a placement week similar to premier public institutions such as the IIMs.

Such as Genpact, ITC, Pepsi, Marsh and McLennan,

Gabriel, Havells, Agilent Technologies, Alchemist, DAMCO and others. Shoolini's final placements have been consistently best in the region across disciplines including MBA, engineering, pharmacy & biotechnology.

This success at Shoolini University comes from consistent efforts around skills up-gradation of students, exposure of students to industry and ensuring that the best Indian and global companies participate in the University's placement drive.



MBA Batch 2015

Our Key Recruiters

Over the years, Shoolini students have been placed with leading companies

- | | | | |
|--------------------------|--|-------------------------------|-------------------------------|
| • AG INDIA | • Glenmark Pharma | • MCS Biotech | • Reliance Life |
| • Akorn Medicare | • Godrej | • Meridian Medicare | • RK Laboratories |
| • Aircel | • Hash Bio tech | • Mercer | • Sai Chem Pharma |
| • Airtel | • Health Biotech Pvt Ltd | • Monsanto | • SBI Life |
| • Anand Automotives | • HDFC Bank | • Mount Kailash Mineral Water | • Scigenics Biotech |
| • Abacus Offshore | • HIMEDIA | • Nanj Pharmaceutical | • Sonalika |
| • Agilent Technologies | • HSBC Bank | • Nectar Life Sciences Ltd | • Swaraj Mazda |
| • Aegon Religare | • ICICI Prudential | • Nutraculture | • Symbiosis Life Sciences Ltd |
| • AVIVA Life | • ICICI Securities | • Oberoi Hotels | • Tata Docomo |
| • Axis Bank | • IDBI Federal | • Oliver Wyman | • Tata Sky |
| • Axygen | • IDS Infotech | • Orbit Biotech | • Tempest Cider Pvt Ltd |
| • Bajaj Allianz | • India Infoline | • Panacea Biotech Ltd | • The Tribune |
| • Bebo Technologies | • International Traceability Systems (P) Ltd | • Pepsi | • Tirupati Medicare |
| • Cipla | • ITC | • Pidilite Industries | • Torrent Pharmaceuticals Ltd |
| • C-Step | • Johnson and Johnson | • Punjab Farms | • Toyota |
| • Club Mahindra | • Karvy | • Punjab Food | • Transgene Life Sciences |
| • CMS | • Karvy Finance | • Ranbaxy Laboratories Ltd | • Upkar Pharmaceuticals |
| • Dabur India Ltd | • L&T Finance | • Raasi Seeds | • Vardhman |
| • DBS | • LCGC Chrom | • Regeneration Technologies | • Verka |
| • Edelweiss Broking Ltd. | • Mahindra Finance | • Reliance | • WNS |
| • Edelweiss Tokio | • Marico Limited | • Reliance Commercial Finance | • Wrigleys |
| • E Value Serve | • Marsh & McLennan | | • YES Bank |
| • Genpact | | | |
| • GlaxoSmithKline | | | |



On-campus interview during placement week at Shoolini



Student Speaks...

“I was very fortunate to pursue one semester at Gachon University, South Korea under Shoolini University’s International Exchange Programme. The four months I spent at Gachon transformed my life forever. It provided me once in a life time opportunity to gain exposure in international academics and research which will go a long way in building my career in science. I also made friends with Korean students and learnt about their culture.”

Priyanka
Student of BSc Elite programme
Shoolini University

International Exchange Programme

International collaboration for exchange of students and faculty, and joint research is essential to outstanding academic programmes and high-quality research.

International Students’ & Faculty Exchange

Our students undertake studies for one semester at distinguished global universities. It is an exciting and challenging way to broaden their academic pursuits by adding international dimension to their careers, besides providing professional opportunities by way of networking with other students and academics, and improving cross-cultural understanding and interpersonal communication.

In 2014, the number of Shoolini students who went to South Korea under this programme was: 5 from B Tech Electronics and Communication Engineering (ECE) at Gachon University; 2 from B Tech (ECE) at Gwangju Institute of Science

and Technology (GIST), and 4 from B Sc. Elite at Gachon and Suwon Universities. Six students of M Sc Physics shall be going to Chung Yuan Christina University, Taiwan for one semester to conduct research in frontier areas of nanotechnology by utilizing latest equipments.

Sangtaek Oh, a student from Suwon University, South Korea is pursuing studies in B Tech (Electrical and Computer Science) for one semester at Shoolini University.

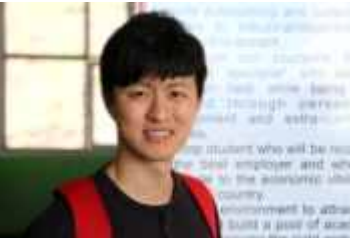
To bring education and research at Shoolini on par with world-class universities, distinguished foreign faculty is invited to teach and give lectures to the students. Current foreign visiting/ adjunct faculty includes Dr Hyoung-In-Lee, Seoul National University, South

Korea; Prof Ashley Braganza, Brunel Business School, London; Ms Andrea Wright, Brown University, USA.

International Research

Shoolini University is having a collaborative research project on ‘Anti-oxidants properties of functional foods based on yeast model’ with Otago University, New Zealand.

The project is being funded by the Department of Science and Technology (DST), Government of India and Ministry of Business, Innovation and Employment (MBIE), New Zealand. The project coordinators are Dr Adesh Kumar Saini, Associate Professor, Faculty of Biotechnology, Shoolini University and Prof Christine Coe Winterbourn, Department



Sangtaek Oh, from Univ of Suwon at Shoolini

of Pathology. University of Otago, Christchurch, New Zealand.

The deliverable from the project would be co-development of a robust method that could be applied to testing in-vivo antioxidant activity of functional foods.

This assay would be made available to food industry (fresh produce and manufactured/ functional foods) in both the countries to benchmark and/or verify any enhanced antioxidant-related claims.



Adesh Saini, Associate Professor, Shoolini University’s Faculty of Biotechnology at the University of Otago to collaborate with Professor Christine Coe Winterbourn on an international research project.



Dr Hyoung-In-Lee, Research Professor from Seoul National University teaching Shoolini B Tech students



Shoolini University International Office

Academic and Industrial Linkages

In today's highly competitive world, Shoolini University recognizes the importance of international, industrial and corporate sector exposure. For transfer of knowledge, student and faculty exchange, joint researches, conferences and training programmes, the University has developed meaningful alliances with the following organizations:

- Gwangju Institute of Science and Technology, South Korea
- University of Ulster, Northern Ireland, UK
- The University of Suwon, South Korea
- Chung Yuan Christian University, Taiwan
- Seoul National University, South Korea
- Magna Carta College, United Kingdom
- Bukovinian State Medical University, Ukraine
- Lanzhou University, China.
- Gachon University, South Korea
- Sierra Biolife, Australia
- Partnership with GENPACT, the industry and thought leader in business process and knowledge management for training of faculty on the latest trends in corporate world and for the placement and internship of MBA students.
- Anand Automotive group for imparting B Tech in Mechanical Engineering to the group's diploma holder employees for enhancing their knowledge and educational qualification.
- Transgenic Life Sciences & National Bureau of Fish Genetic Resources for molecular research.
- Nutrahelix, Alembic, Alkem, Dabur, Venus Remedies Ltd. Zydus Cadilla and US Vitamins and other pharmaceutical and nutraceutical companies to enhance the employability of students of pharmacy through lectures by industry experts, internship and project work.
- Membership of Confederation of India Industry and Association of Commonwealth Universities.
- Membership of PHD Chamber of Commerce & Industry.
- A remote R&D centre for 'Aakash' Tablet has been set up at Shoolini University in partnership with IIT Mumbai.
- Tie up with DAMCO for software testing.
- Tie up with Tirupati Medicare Limited, Sirmaur (HP) for Academia-Industrial research.
- Alliance with Sant Longowal Institute of Engineering & Technology, Punjab.
- Collaboration with Upkar Pharmaceuticals for microbial & pharmaceutical testing of their lab samples.
- Tie up with TCS for conducting online examination GATE, JEE etc.
- Quadripartite MoU between Pharmacy & Poisons Board of the Government of Kenya, Tirupati Medicare Limited, Kumaun University & Shoolini University.
- Alliance with Next Gen Technologies Inc, NY for retina imaging & image processing.
- Tie-up with Dron Defence Sez (Private) Limited for research on Nanotechnology based fuel generation techniques.



MoU signing ceremony between Lanzhou & Shoolini Universities

eUniv Initiative

In today's world of web dominated networks, online education can have a profound impact - better education and broadly disseminating knowledge to students worldwide.

In a step towards fulfilling the vision of being amongst the top 200 universities by the year 2022; Shoolini University has also ventured into the field of online education. The initiative has been given the name 'eUniv' and was inaugurated by the most respected contemporary Indian in the world, former president of India Dr APJ Abdul Kalam on 18th April 2013.

It has been gaining momentum ever since and is fully functional in Management and Computer Science departments. This initiative is the first of its kind in the field of biotechnology and other sciences, where the culture of online education is not so prevalent due to the technicalities and complexities

of these subjects. A two day workshop 'The importance of online education' was conducted by Dr Florence Martin, Department of Instructional Training, University of North Carolina, USA, who is a well known international authority in the said field. She also took two high-skill sessions with the eUniv team.

In the current phase of eUniv, we are providing a unique login ID to all our students through which they gain access to all the courses they are taking in that particular semester.

The online courses serve as supplement to classroom teaching where students get free access to the study material, PPTs, audio-visuals, video lectures etc. It also serves

as one point solution for a student to know his current standing in various internal assessments like assignments, quizzes, surprise tests, sessionals etc, most of which are on eUniv platform supported by a Learning Management System (L.M.S.) called Moodle.

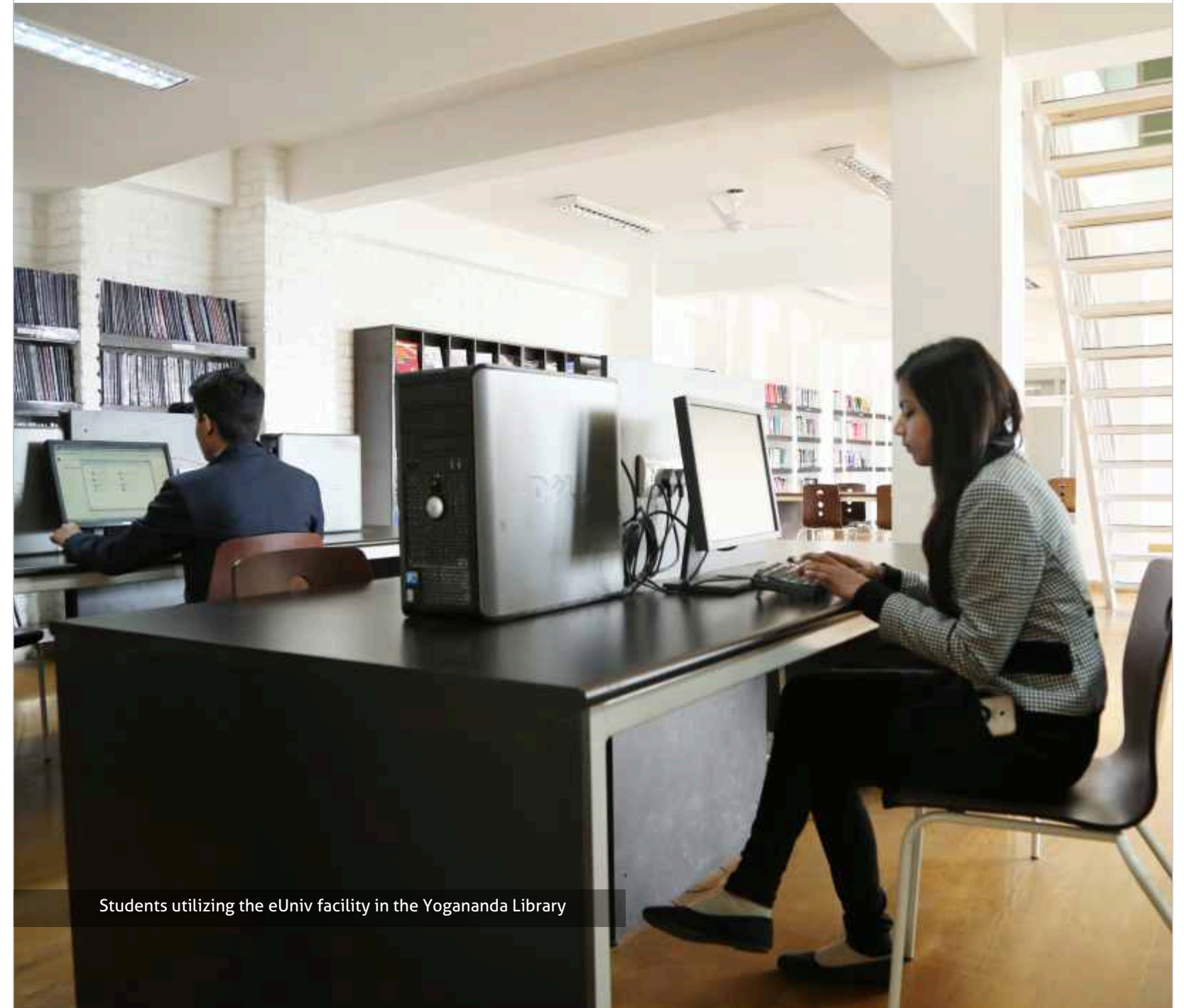
More than 400 video lectures have been prepared so far. Two state-of-art soundproof studios have been established for recording in the newly constructed Yogananda Library.

Though initially, the availability would be limited to the university students only; we do intend to start fulltime online courses in due course of time. The University carries the vision of being a frontrunner in the field of providing high value

education through brick and click. This is just another of our drives towards value addition to the cause of humanity through quality education.

Online Education allows flexible and self-paced learning; easy and timely access to learning material at any point before/after class; enables more emphasis on application and problem solving; and ensures a very structured approach to curriculum design.

By the end of this year, we intend to create an online supplement to each and every course in the university and link these with the continuous evaluation system.



Students utilizing the eUniv facility in the Yogananda Library

Our Social Responsibility Initiatives

Social responsibility is as much a part of Shoolini University's philosophy and culture as excellence. The university strives to engage with people to bring about change in their lives, and its resources are available to all educational institutions.

As a leading university in providing access to education, our guiding principle in all we do is to enhance the appreciation and accessibility of education in our communities. Under Innovation in Science Pursuits for Inspired Research (INSPIRE) programme of Government of India, we are organizing regular training camps in science for Class XII toppers in Himachal Pradesh and more than 6000 students have participated in twenty one camps. The basic objective is to attract talent to the study of science at an early age.

For these students, Shoolini has introduced a unique five-years integrated B Sc (Hons) and M Sc course which is a fully free education

programme that includes free lodging and boarding. It is to be supported thorough INSPIRE scholarships and from the University's own coffers.

In order to foster the spirit of inquiry and innovation among school students, we conduct an annual 'Biz Quiz' in selected schools for developing in them logic, analytical assessment and decision-making attributes.

In another school-oriented 'Knowledge Sharing Programme', our teachers visit some selected schools to impart latest knowledge to the students. We also conduct mock tests to expose class XII students from schools in Himachal to modern techniques of competitive

examinations like JEE, CET (HPTU) and AIPMT.

Shoolini is committed to play an active role in enhancing the lives of communities around its campus, which has manifested by the adoption of a Government Primary School at village Manjholi with students mostly from weaker section of the society.

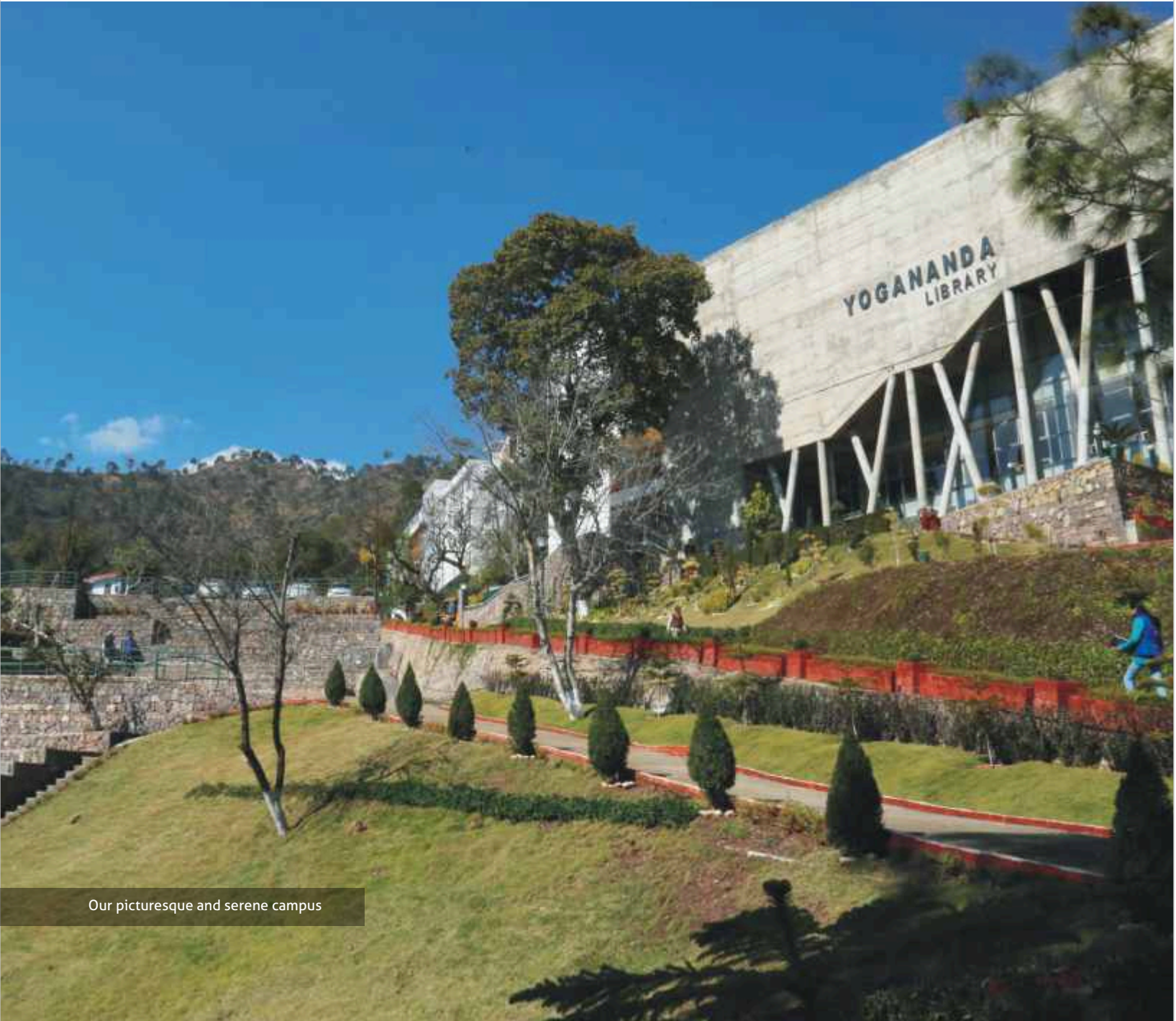
To attract meritorious students and as a part of its social responsibility, Shoolini University has instituted significant number scholarships.

This initiative is aimed at rewarding the hard work of students towards achieving excellence in education and also removing the barriers to higher education for low

income group students/ single parent child (mother surviving) / single girl child.

We are also firmly committed to protect environment and safeguard the health of our students, employees and community. This is reflected in our efforts to reduce our collective 'ecological footprints' through various initiatives like a 300 KLD sewage treatment plant, recycling of organic waste through vermicomposting, tree plantation, 'Swachh Bharat' campaign and green buildings.

We have declared Shoolini as a Green Campus aiming to make it paperless and polythene free. It is also smoke free providing a safe and healthy environment.



Our picturesque and serene campus

Our Innovative Initiatives

We have always valued excellence in teaching, allied to a strong research base, innovative cooperation with industry and skills development programmes.

Centre for Excellence in Automotive Engineering

The Faculty of Engineering and Technology has established a Centre for Excellence in Automotive Engineering by joining hands with Anand Automotives, leaders 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 automotive engineering at graduation, post graduation and doctoral levels, along with imparting training to upgrade skills required by the automotive industry. In the first phase, Anand Automotive group has deputed 26 of its diploma holders for 3 years B Tech degree programme in Mechanical Engineering (Lateral Entry) with specialization in automotive engineering. The syllabus of

the course has been tailored to meet the needs of the industry.

Centre of Excellence for Nanotechnology

Nanotechnology is an emerging technology of the 21st century. It relates to the study of production and manipulation of materials at extremely small scale with applications across all branches of science and engineering. The university has, thus, established the Centre of Excellence in Nanotechnology (CEN) which provides common facilities for undertaking multidisciplinary research in nanoscience and nanotechnology. The main objectives of the CEN include joint research with national and international institutions, technology transfer and commercialization of research outcomes.

Defence Research & Development Centre (DRDC)

Shoolini University is proud to be one of the few engineering institutions that has been selected as a Defence Research and Development Cell (DRDC) at the 'Defence Research Forum – 2014' for invoking the engineering might of India for global leadership in the area of defence research. The goal of the DRDC is to give a major boost to defence research across the country by educating and engaging a sizable section of engineering faculty and students about the needs of the specialized requirements of the defence sector. It would also take up defence research as a dominant focus of its academic research.

Digitized Library

The State-of-the-Art Yogananda Library, inaugurated by Dr APJ Abdul Kalam, is a blend of modernity, tranquility and green

technology. It is digitized for searching the books and journals through computer linked to the university's network, and is synched with the library of SILB, a sister organisation in Solan town. All library facilities can now be accessed from anywhere through any computer with internet access. You just need one 'universal e-card' for entrance to the library, and checking out, issuing and returning of books and book-hold alerts. You may get books reissued by using the same as long as these are not reserved by anyone. Besides, the e-card would also serve as your personal ID.

Foreign Languages, Fine Arts & Social Sciences Ad-on Programmes

To give an edge in employment to our students, the University has introduced the teaching of credit-based Foreign Language



A vibrant campus

programme. Initially we have started with French and we have plans to include German in near future.

INSPIRE Science Camps

Under Innovation in Science Pursuits for Inspired Research (INSPIRE) programme of Government of India (GOI), we are organizing regular training camps in science for toppers in Class XII in Himachal Pradesh and more than 5,000 students have participated in 23 camps. The basic objective is to attract talent to the study of science at an early age.

Special NET/GATE & GPAT Coaching Classes

As a part of career development programme for our students, we have introduced special coaching classes for the aspirants of National Eligibility Test (NET) determining their eligibility for lectureship and for award of Junior Research Fellowship (JRF).

Coaching classes are also conducted for aspirants of Graduate Aptitude Test in Engineering (GATE) for admission in Postgraduate Programmes in Engineering

and GPAT for admission in Post Graduate Programmes in Pharmacy at the national level. The coaching fee is modest and subsidized.

Career Oriented Vocational Courses (Proposed in 2015-2016)

The UGC initiated a major programme of vocationalisation at the undergraduate level during the 8th Plan (1994-95). The purpose of the programme was to ensure that graduates passing out with vocational courses would have knowledge, skills and aptitude for gainful employment in industry and entrepreneurship.

The objective of the programme is to introduce career and market- oriented, skill enhancement that have utility for job. The vocational programme is specialized in the sense of being non conventional.

Shoolini University intends to introduce vocational courses as per the guidelines of UGC and AICTE. These will be multi-faculty as well as multi-disciplinary in nature. These courses will establish linkages

between mainstream disciplines, market and industry.

These courses will be in the Faculty of Management Sciences & Liberal Arts, Faculty of Biotechnology, Faculty of Basic Sciences, Faculty of Pharmaceutical Sciences and Faculty of Engineering & Technology.

The proposed courses are as follows:

- Solar Heating
- Automobile Maintenance
- Computer Networking
- Plant Tissue Culture
- DNA Finger Printing
- Seed Technology
- Meditation and Yoga
- Tax Procedures and Practices
- Personnel Management & Labour Welfare
- Industrial Chemistry
- Nanotechnology
- Disease Diagnostic

The vocational courses will have the following components:

1. Certificate Course
- Duration to be completed

in one year; 20 credits, each of 15 hours. Of these 8 credits will be assigned to field work/project work/training.

2. Diploma Course
- Duration to be completed in one year; 40 credits (20 credits earned during certificate course), each of 15 hours. Of these 8 credits will be assigned to field work/project work/training.

3. Degree Course
- Duration three years; 60 credits (40 credits earned during certificate course and Diploma Course), each of 15 hours. Of these 8 credits will be assigned to field work/project work/training. Bachelors of Vocational (BVoc) degree will be awarded after successful completion of course. The total time period for the degree programme will be three years.

For its Drivers & Conductors, the university has decided to start certificate course on

skill development in automotive repairs which will eventually lead to the B Sc Voc degree.

Free Education for Board Toppers in Science Stream

For the 1% toppers in Class XII School Board examination in science stream, Shoolini has introduced a unique B Sc (Hons) course which is a free education programme supported through INSPIRE scholarships and the University's coffers.

Our English Language Programme

The medium of teaching at Shoolini University is English, and the students are required to have minimum proficiency in English language for them to be more intuitive and effective in class.

Keeping in view the poor standard of English of students, especially with rural/ semi urban background, Shoolini University has initiated a range of English language programmes that will build upon their current skills and help them to meet their

personal and professional goals. The English language programmes offer an inspiring learning environment for the students to explore and take part in activities that complement the development of their English skills.

Academic English

Academic English courses provide intensive language teaching from beginner to advanced levels along with the development of academic skills for grasping the subject matter at the undergraduate or graduate level courses.

General English

General English is a flexible, intensive language programme for beginner through advanced levels that is augmented with a wide range of optional modules, as well as social and cultural activities. This programme is designed for students who want to improve their ability to use English in everyday life or for professional purposes.



INSPIRE Science Camp

Meaningful Interactions and a Vibrant Campus

At Shoolini, we strive to make your stay with us enjoyable with state of the art infrastructure built aesthetically and thoughtfully to enhance your learning experience.

Easy Accessibility

Solan is well connected with New Delhi and other important cities of the country through the scenically interesting and fast running National Highway 22. It can be reached from Delhi (about 310 km) by train / road via Chandigarh/ Kalka. Chandigarh and Shimla are the nearest airports. Summers are pleasant here (the temperature rarely rises above 30°C), with pleasant and sunny winters with occasional snowfall. The place receives an average annual rainfall of 1,200 mm and it lies at an altitude of about 1,500 m.

The campus lies at Bajhol, which is 15 km from Solan, 54 km from Chandigarh and 18 km from Dharampur. The buildings

here sample hill architecture of the state of Himachal Pradesh.

Educational Hub

Solan district is the educational hub of the state and hosts the University of Horticulture and Forestry, Jaypee University of Information and Technology and seven other state private universities, National Research Centre for Mushroom, Zoological Survey of India, Central Research Institute, Kasauli; Dental, Engineering & Homeopathy colleges as well as reputed heritage public schools including the Lawrence School, Sanawar.

State-of-the-art Technology

The University has a Wi-Fi campus along with 60 mbps leased-line, radio-based 24*7

internet connectivity. The computer labs offer thin client technology with IBM servers that support both Linux & Windows based environment. There are central as well as departmental IT facilities with over 120 nodes. The University also provides laptop facilities for all MBA students.

The IT centre encompasses one central lab with 100 computers (thin clients) for general surfing; two labs for Faculty with 30 computers each; two labs each with 60 computers and two labs each with 30 computers each for Engineering and Pharmaceutical Sciences.

The University has a Campus agreement with Microsoft and whole university is working on Office 365. The Computer Science Department is also working on industrial tie-up with DAMCO for software testing, and TCS for online examination like GATE, JEE etc.

Yogananda Library

The Yogananda library christened after 'Yogananda School' of thought is a blend of

modernity, tranquility and green technology located in breath taking landscape. It was inaugurated on April 18, 2013 by Dr APJ Abdul Kalam, former President of India.

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

The facility hosts a faculty club, a dedicated floor for research scholars, e- library with access to all major international resources and a sprawling green terrace on the top with reading chambers and bookshelves. Yogananda Library is located in the centre of the campus being approximately 100 m from Girls' Hostel Complex and from

Administrative Block. Its location favours the movement of girl students to use this facility even at late hours (up to 10.00 pm) under adequate security. It is also fitted with CCTV cameras for security purposes.

There are extensive reading and study areas located at the following five levels:

- Level I (Ground Floor): With an area of 250 sq m, it houses the faculty club for literary interaction amongst teachers and researchers.
- Level II (First Floor): It comprises approximately 400 sq m area exclusively earmarked for about 100 research scholars with study cabins and a conference room.
- Level III (Second Floor): The total floor area is 630 sq m. It has a reception, a library room, lockers, and reading spaces for about 150 students.
- Level IV (Third Floor): It constitutes 630 sq m floor area. It has stacks for books an all

sides of the hall and reading spaces for about 150 students. This floor is primarily earmarked for the books and journals relating to Management Sciences and Liberal Arts.

- Level V (Roof Top Green Terrace): The terrace on roof top is covered with side rooms containing stacks of books with sitting capacity for approximately 70 students. The open terrace with green grass provides warm sun light to study and relax during winters.
- Library is fully digitized. Besides 108 print journals and periodicals and over 500 online journals, a total of 30,000 books are stocked. The Library also holds 50 project reports and over 30 optical CDs and subscribes to eleven magazines, four newsletters and eleven newspapers.

Museum & Herbarium / Labs

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

Health Care and Meditation

Medical facility has been provided by way of residential visit of a doctor in the hostels and with the on-campus dispensary under the supervision of a senior MBBS doctor. A round the clock ambulance is available for the transportation of ailing students, especially the hostlers. A Meditation centre, providing an environment of serenity and mental relaxation forms an important part of the institute's infrastructure.

Sports

The university encourages sportsmanship within students. The campus already includes an indoor sports complex, basketball court and a gymnasium. Facilities are available for cricket. A tennis court and a large playground are under development. There

is also a student-run and student- managed Mountaineering & Adventure Sports Club.

Obstacle Course

The latest addition in our sprawling campus is an obstacle course with 13 obstacles ranging from rope climbing to Burma Bridge and Tarzan swing to various kinds of jumps. The course has been designed on the model as prevalent in the army with all safety aspects. Under the watchful eye of an ex Indian army officer, students clear these obstacles to keep themselves physically fit.

Students’ Activity Centre

The university recognizes the importance of providing opportunities for recreation along with academics & the Students’ Activity Centre, popularly referred to as SAC, is a step in that direction. The contemporary building attached to the Girls Hostel Complex houses an aerobics and fitness centre where

students can engage in physical workout to keep themselves fit. There is also a 200 seated indoor cineplex, for screening of movies and documentaries. A rooftop cafeteria, aptly named Nature Café, is an ideal place to relax and hang out with friends and enjoy the stunning landscape of the Shivalik Hills.

Physical Training & Aerobics

The students enrolled in the university are made to attend regular physical training sessions to achieve mental and physical fitness which is a prerequisite in today's highly competitive world. The daily sessions are held under the guidance of the sports department. Besides, an aerobics room has been built in the Students' Activity Centre located near the Girls' Hostel complex where students can undertake aerobics session in their free time.

Students' Clubs/ Societies

Shoolini University is home to multiple student clubs and societies which connect students with a stronger sense of community while providing opportunities for interpersonal

and leadership development:

- Shoolini Mountaineering Society
- National Service Scheme (NSS)
- Speakers' Forum
- Music & Cultural Club
- Blood Bank Society
- Art & Photographic Club
- Institute of Engineers Chapter
- Entrepreneurship Society
- Bawale Bawarchi
- Satrangi Strokes
- Dramatics Club

Entertainment

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

Go Green

Shoolini University is a green campus, aptly signified by a Terraced Herbal Garden. This garden has a huge variety of Himalayan herbs. There is also

a vermi composting facility along with a set up for water harvesting. The student run Green Brigade of the university is actively involved in making Shoolini a symbol of green institution.

Other Facilities

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

Hostels

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



Music maestros performing at 'Swaranjali'



Leisurely discussion at the campus

Our System of Education

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

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

The credit hours are regulated as follows:

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

Examination

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

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

Evaluation

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

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

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

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

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

Attendance

As per UGC guideline no

student will be allowed to appear in theory and practical end-term semester examination if he/she does not fulfill 75% of attendance. As per academic regulations, the following marks will be awarded for attendance:

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

Make-up Policy

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

Our Doctoral Programme (Fully Residential)

To achieve excellence in various spheres of biotechnology, engineering, and basic, pharmaceutical and management sciences, Shoolini University has adopted a research driven model. The PhD programmes at the university are central to that model, providing rigorous training for academic career and producing future leaders in research and education.

To maintain high standards of research, one of the examiners for the doctoral thesis shall be from outside India. A provision is also made for the appointment of an external guide for doctoral students from outside the country to match the international standards of research. For quality research, however, the PhD guides at the level of Assistant Professors shall be associated with external mentors, a step towards achieving faculty excellence.

PhD Courses

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

Eligibility

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

Mode of Admission

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

Fellowships

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



Shoolini University's Excellence Emanates from its Five Pillars of Strength

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

Sound Governance and Cultural Heritage

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

Distinguished Faculty

- The Faculty of the University constitutes:
- A large number of distinguished academic leaders.

- Two dozen foreign qualified teachers with Post-doc research from abroad.
- Forty per cent of teachers are PhDs
- Plans to have 100% PhD qualified faculty in next five years.

Quality Infrastructure

- Wi-Fi Campus with over 450 computers.
- Library with over 30,000 books, 108 journals and over 500 online journals, and Wi-Fi Lab.
- 86+ Science Labs equipped with requisite equipment and instruments for teaching and research; two Central Instrumentation Labs for expensive equipments.
- e-Labs, Language and Communication Labs are

special features.

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

Brilliant Students

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

Academic Alliances and Linkages

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



Enthusiastic 'Shoolinites'

Foundation for Life Sciences & Business Management

The majority of the executive members of the Foundation are reputed professional, academicians, scientists, business executives and entrepreneurs. Prof PK Khosla, Vice Chancellor, Shoolini University, ex Vice Chancellor, HPAU and Former Sr Advisor Biotechnology, HP Govt, is the key person to manage and execute the functioning of the Foundation. Mr Atul Khosla, Pro Vice Chancellor, Shoolini University is the executive trustee.

Patron	Palampur and Sr Scientific Advisor Biotechnology to HP Government
Ms Kamal Vasudeva, MA, BT Leading Educationist; Ex-member Education Commission, GOI; Member Task Force on Primary Education, HP Govt.	Treasurer
	Mr Vishal Anand, BA Eco Hons (PU), MBA
President	Members
Ms Saroj Khosla, MA B Ed; ICE (Oxford); Retired Principal DIET, Solan	Mr Ramesh K Mehan, BE; MSIE (Kansas State Univ) MBA (Dayton Univ)
Vice President	
Mr Ashok Anand, B Com Businessman	Mr Satish Anand, B Com Businessman
Secretary	
Prof PK Khosla, PhD; Vice Chancellor, Shoolini University; Former Vice Chancellor, HPAU,	Mr Ashish Khosla, BE, PEC, Chandigarh; PGDM, IIM Calcutta; Senior banking professional, currently Vice President with a leading bank

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

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

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

University Statuary Officers

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

- Mr Vishal Anand Founder Trustee, Chief Finance Officer
- Prof Sunil Puri, Registrar & Dean Academic Affairs
- Mr RN Chauhan Comptroller of Examinations
- Dr JM Julka Director Public Relations
- Dr ML Vaidya Director Health & Student Welfare
- Col (Retd) Atul Bhandari Director Operations
- Brig (Retd) Amar Cheema Director Knowledge Centre
- Mr Jagdish Chander Librarian

Deans of the University

- Prof Khosla Atul Dean, Faculty of Management Sciences & Liberal Arts
- Prof Mahindroo Neeraj Dean, Faculty of Pharmaceutical Sciences
- Prof Nanda Arvind Director General cum Dean, Faculty of Engineering and Technology

- Prof Puri Sunil Dean, Faculty of Basic Sciences
- Prof Sharma DR Dean, Faculty of Biotechnology & Bioengineering
- Prof Chauhan RN Dean Students' Welfare

Visionary Mentors

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

Dr RC Mahajan

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

Prof Deepak Pental

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

Dr William Bentley

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

Dr KS Bawa

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

Padma Bhushan SP Oswal

Chairman, Vardhman Group, the largest Indian textile conglomerate; Chairman, National Textile Committee of the CII; Philanthropist involved

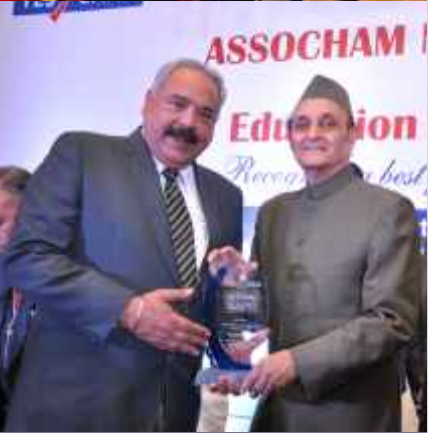
in uplift of down trodden; Actively involved in transfer of technology for high productivity

Padma Shri RC Sobti

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

Justice (Retd) NK Sodhi

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



Academic Leadership - 47			Academic Leadership - 48				
<h1>Academic Leadership</h1>							
<p>Prof Chandra Subhash PhD, University of Cincinnati, BE; Professor of Eminence, Mechanical Engineering</p> <p>Internationally renowned expert on clean technologies; Programme manager in Westinghouse Nuclear Company, USA; Ex-Director, Clean Energy Institute, USA; Held various teaching positions at the prestigious Hartford University, USA; Chief Technology Officer, Connecticut Clean Energy Fund, USA.</p> <p>Dr Dev Kamal PhD; Associate Dean, Biotechnology</p> <p>Noted researcher in molecular biology, genetics, and protein biochemistry with a goal to harness the Himalayan biodiversity for the benefit of society; Postdoctoral Fellowship, National Institutes of Health (NIH), USA; Pursuing a Government of India funded research project - Identification and characterization of medicinal plants of North West Himalayas with synergistic</p>	<p>effects on traditional antibiotics to control clinical bacterial infection.</p> <p>Dr Dwevidi RP PhD; Associate Professor, Electronics & Communication Engineering</p> <p>An expert in material science that includes fabrication and analysis of transparent conducting oxides films for flat panel displays; Research interest includes micro/ nanophotonic devices for integrated photonics; Post-doc Fellowship, Inha University.</p> <p>Er Goel PL M Sc Civil Engineering; Professor, Civil Engineering</p> <p>Eminent engineer with vast experience in the execution of major civil works of hydel and thermal power stations, road cum rail track, residential complexes, etc; Former Chief Engineer/Advisor, Punjab State Electricity Board; Associated with major construction companies like BHEL, UNITECH, NTPC, GDC, etc; Ex HOD, Baddi University of Sciences and</p>	<p>Technology; Member, Indian Geo-Tech Society, ISET & MIE.</p> <p>Dr Goel Yashvir Singh PhD, IIT Delhi; Former Head Training, IIT Delhi; Professor of Eminence, Mechanical Engineering</p> <p>Senior Professional with vast experience in steel, automobile, water systems & power sector; Former Head Training, IIT Delhi; Noted advisor for industrial / education sector.</p> <p>Prof Julka JM PhD; Professor of Eminence, Biosciences</p> <p>Noted animal ecologist, taxonomist and vemitechnologist; Visiting Fellow Smithsonian Institution, USA; UGC Visiting Fellow, School of Life Sciences, Sambalpur University, Orissa; Specialist Member HP Biodiversity Board; Visiting Professor, MG University, Kottayam, Kerala; Ex Member, SEIAA, HP; Former Joint Director and Emeritus Scientist, Zoological Survey of India.</p>	<p>Prof Khosla Atul B Tech (IIT Kanpur), MBA (Jamna Lal Bajaj, Mumbai); Professor, Management Sciences & Pro Vice Chancellor & Executive Trustee</p> <p>Distinguished Senior Executive with outstanding career in corporate sector; Senior Partner & Managing Director, Oliver Wyman (the leading international consulting firm); Senior Management Positions at McKinsey & Company, a-connect Switzerland, Everest Group USA, Towers Watson.</p> <p>Er Mahajan CP ME, Water Resource Development (Elect), IIT Roorkee; Professor of Eminence, Electrical Engineering</p> <p>Distinguished engineer with vast experience in hydro power development and rural electrification in HP; Former Chief Engineer, HPSEB; Ex Professor & Head, Electrical & Electronics Engineering, RIT, University of Pondicherry; Fellow & Chairman, HP Chapter Indian Water Resources Society, IIT, Roorkee.</p>	<p>Prof Monga OP PhD; Professor & Associate Dean, Faculty of Management Sciences & Liberal Arts</p> <p>A sociologist and psychologist by training; Expert in sociology of family, social gerontology, health behaviour, human resource, rural & tribal development and environmental sociology; Formerly Professor-cum-Chairman and Coordinator (MSW), Department of Sociology, HP University, Shimla; UGC Visiting Professor, Department of Sociology, Kurukshetra University.</p> <p>Prof Mahindroo Neeraj PhD; Professor & Dean, Pharmaceutical Sciences</p> <p>Noted pharmacist with research interest in new drug discovery, design and synthesis of small drug like molecules; Former Research Fellow, International Centre for Science & High Technology, Trieste, Italy; Post-doc research at Dept of Chemical Biology & Therapeutics, St. Jude Children's Research Hospital, Memphis, USA; Division of Biotechnology & Pharmaceutical Research, NHR, Taipei, Taiwan.</p>	<p>Er Nanda Arvind B Sc (Production Engg), FTGMP; Director General, Engineering & Technology</p> <p>An experienced engineer with vast industrial expertise in various fields; Promoter & Chief Executive, Growth Enables Consulting; Senior Management positions at Anand Automotives, Taneja Aerospace, Indian Seamless, Swaraj, Jessop & Co.</p> <p>Prof Puri Sunil PhD; Professor & Dean, Biosciences</p> <p>Distinguished plant physiologist & agroforester; Visited Oxford Forestry Institute, U.K; Former Professor of Forestry HAU, Hisar and Indira Gandhi Agricultural University, Raipur; Awarded United States of America International Diploma of Honour for research in forestry.</p> <p>Prof Sharma DR PhD; Professor, Biotechnology</p> <p>Eminent plant biotechnologist with vast experience in micropropagation and</p>	<p>development of disease resistant plants; UNESCO & FAO Fellow in USA and Morocco respectively; Member Indo-US Management Team & Research Advisory Committee to ICAR Institutes; Overseas Associate, DBT, GOI; Former Head, Dept of Biotechnology & Director (Res), UHF, Solan.</p> <p>Prof Sharma PC MVSc, PhD; Professor, Microbiology</p> <p>Eminent microbiologist with vast teaching and research experience in veterinary microbiology, livestock and poultry diseases; Awarded Commonwealth Academic Staff Scholarship by the Association of Commonwealth Universities and Commonwealth Scholarship Commission, U.K; Former Professor, Veterinary Microbiology, Haryana Agricultural University Hisar; Edited seven books.</p> <p>Er Soni JP B Tech (Hons), Civil Engg, IIT Kharagpur, PhD; Professor of Eminence, Engineering</p> <p>Distinguished engineer with vast teaching and research</p>	<p>experience; Fellow Institute of Engineers; Co-author of a text book on Water Resources Engineering; Associated with designing of Bhakra Dam; Former Professor and Head, Civil Engineering Department, Punjab Agricultural University; Honoured with 'Faculty Level Best teacher Award' by ICAR.</p> <p>Prof Tewari SC PhD; Professor of Eminence</p> <p>Reputed economist and resource management expert; Visiting Professor Ohio State University, USA; Former Professor Rural Management, University of Dar-e-Salaam, Tanzania, Former Head, Dept of Social Sciences, University of Horticulture and Forestry, Solan.</p> <p>Dr Vaidya ML MBBS, DPH, Professor, Pharmacy & Director Health Care</p> <p>Experienced medical professional; World Health Organisation (WHO) Fellow-Malaria; Former Joint Director, Himachal Pradesh Health Services.</p>

BUILDING FOUNDATION FOR A STRONG FUTURE

Shoolini Milestones 2004 to 2012

FIRST STEP

Setting up of Foundation
for Life Sciences and
Business Management

2004

FOUNDATION STONE

Laying of Foundation Stone
of Shoolini Education Village
Complex, Bajhol-Solan, HP

2007

UNIVERSITY STATUS

Private sector; set up
under HP Act for
private Universities

2009

ACHIEVEMENT

Ranked 6th best private
biotech institute in India
(BioSpectrum Survey)

2010

RECOGNITION

Shoolini University recognised by
University Grants Commission (UGC)
with in 16 months of its inception; School
of Pharmaceutical Sciences recognized
by Pharmaceutical Council of India (PCI)

2011

ASSOCHAM

Education Entrepreneur
of the year

2012

ACHIEVEMENT

Ranked 2nd best private
biotech institute in India
(BioSpectrum Survey)

2012

2005

PROPOSITION

Submitted a proposal for setting up
a University of Biotechnology and
Management Sciences, Solan, HP

2009

ESTABLISHED

Shoolini University of Biotechnology
and Management Sciences
established at Solan through
Government of Himachal
Pradesh ACT

2010

INAUGURATION

Shoolini University formally
inaugurated by Shri Prem Kumar
Dhumal, Hon'ble Chief Minister of
Himachal Pradesh

2010

GOVERNANCE

First Chancellor, first Pro-Chancellor,
first Vice Chancellor and first
Registrar appointed

2011

ACHIEVEMENT

Ranked 4th best private
biotech institute in India
(BioSpectrum Survey)

2012

AITMA

Shiksha Ratan Award

Shoolini Milestones 2013-till date

FIRST CONVOCATION

The chief guest, Dr APJ Abdul Kalam confers degrees including first PhD; Foundation stone of Knowledge Centre laid

2013

eUNIV

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

2013

ASSOCHAM

Shoolini wins Most Upcoming Engineering College Award

2014

INTERNATIONAL EXCHANGE

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

2014

ACHIEVEMENT

Innovation in Placements
7th DNA Innovative Bscool Awards

2015

Campus Preparedness Award

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

2015

2013

ACHIEVEMENT

Shoolini Business School awarded Best Upcoming Private Business School ASSOCHAM Award

2013

DAINIK BHASKAR

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

2014

SKILLTREE

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

2014

CCI & GTU

Excellent University for Research in Biotechnology Sciences Award

2015

RESEARCH

External Research funding set to cross Rs. 200 million



Graduates during the First Convocation

Faculties

Faculty of Applied Sciences & Biotechnology

Prof DR Sharma
Professor of
Eminence & Dean,
Faculty of Biotechnology

A member of Indo-US Management Team and Research advisory Committee to ICAR Institutes, Prof DR Sharma is an internationally renowned plant biotechnologist.



Prof Sharma's primary research interests focus on the development of cost effective commercially viable micro-propagation protocols in apple, date palm, kiwi fruit, strawberries, cherries, walnut, bamboos, carnation, chrysanthemum, lilium, etc. The availability of these protocols is a step toward introgression of genetic traits from different species through genetic engineering with the ultimate goal of producing disease resistance plants.

He has also assessed the genetic diversity in horticultural crops using molecular markers. His research interest has seen him study virus tested bud wood bank in apple using meristem culture and ELISA testing, and development of in-vitro conservation protocols for some rare plant genetic resources. He has played an important role in transfer of technology in hill states of NW Himalaya. He has authored two books and published over 170 research papers.

Prof Sharma has served various educational institutions under various capacities. He was responsible in establishing Departments of Biotechnology at Haryana Agriculture University, Hisar and Dr YS Parmar University of Horticulture and Forestry, Solan. He has been a UNESCO Fellow in USA and FAO Fellow in Morocco.

Faculty of Applied Sciences & Biotechnology

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

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

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

nanotechnology, stem cell research, cell signaling, healthcare biosensors, bioremediation, bioinformatics, pharmaceuticals and genetically modified products of diverse origins.

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

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

understanding industry needs and providing the required support to the corporate world.

The Faculty has academic/industrial alliances with Seoul National University, South Korea, Ulster University, Northern Ireland, Sierra Bio Life, Australia and Chung Yuan Christian University, Taiwan for exchange of students, Transgenic Life Sciences & National Bureau of Fish Genetic Resources for collaborative biotech research and HRD Agro, 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 & for students' projects and training.

The university received a financial assistance of Rs 73.71 lakh under the Human Resource Development Scheme for creation of Infrastructure Development

facilities for B Tech & M Tech Food technology courses by the Ministry of Food Processing Industries (MOFPI), Government of India.

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

Further to satisfy the requirements of the biotech industry, our graduates are imparted practical training in plant tissue culture,

biotransformation, fermentation, DNA and RNA isolation, industrial microbes screening and production, biochemical analysis and standardization of analytical instruments.

Current Areas of Research

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

- Plant Host-Pathogen Interaction
- Probiotics

Career Paths

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

School of
Biotechnology,
Bioengineering &
Food Technology

Biotechnology

Faculty Members

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

Dr Manoj K Kashyap
PhD; Adjunct Professor

Prof Bhavender Paul
PhD, Post Doc USA;
Professor of Eminence

Prof DR Sharma
PhD, Professor of Eminence &
Dean; Former Head, Biotech
Dept & Director (Res), UHF,
Solon

Prof PC Sharma
PhD, Professor;
Former Professor, Veterinary
Microbiology, Haryana
Agricultural University,
Hisar; Professor (Microbiology)

Dr Kamal Dev
PhD, Associate Professor cum
Associate Dean;
Post-Doc Fellowship, National
Inst Child Health &
Development, USA

Dr Anuradha Sourirajan
PhD, Associate Professor
(Biotechnology); Post-Doc
National Cancer Institute (NIH),
USA

Dr Sourabh Kulshreshtha
PhD, Associate Professor;
Post-Doc, Dept of Pathology,
University of Kentucky, USA &
Germany

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

Dr Asha Tripathi
PhD; Assistant Professor
(Microbiology)

Dr Reena Vohra
PhD, Post Doc; Assistant
Professor (Microbiology)

Mr Malay Srivastava
M Sc, PG Diploma in
Bioinformatics; Assistant
Professor-cum-Deputy Director
Placement

Dr Savita Jandaik
PhD; Assistant Professor

Dr Deepak Mittal
PhD; Visiting Assistant
Professor

Dr Anshul Sharma
PhD, NET; Assistant Professor
(Biotechnology)

Dr Sheetal Mehta
PhD; Assistant Officer
(Microbiology)

Mr Vikas Kumar
M Sc; Teaching Assistant
(Biotechnology)

Academic Programmes

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

B Sc (Hons) Biotechnology
Eligibility: 10+2 (PCB/PCM)
with 50% marks
Duration: 6 semesters (B Sc
Hons)
Basis of Admission: By merit of
qualifying examination

B Sc (Hons) Microbiology
Eligibility: 10+2 (PCB) with
50% marks
Duration: 6 semesters (B Sc
Hons)
Basis of Admission: By merit of
qualifying examination

M Sc Biotechnology
Eligibility: BSc with
Biotechnology/ Microbiology/
Biochemistry/ Life or Physical
Sciences as one of the subject
or Bachelor Degree in any
branch of science &
technology.
Minimum marks 55%
Duration: 4 semesters.
Research will form a part of the
programme starting from the
first semester
Basis of Admission: Through
Shoolini University entrance
test (Online facility available)

The objective of the course is
to provide students with the

skills, knowledge and
experience that are needed to
pursue a successful career in
biotechnology. The programme
is designed to expose the
students to recent exciting
developments in the area of
genetic engineering and
biotechnology and their
exploitation in industry,
agriculture and medicine. It
combines course work with
research and prepares students
for careers as professional
biotechnologists in industry,
government, education, and
research organizations, or for
further professional training
and research. Research forms
part of the programme from
the first semester. It is also a
foundation for entry into
M Phil or PhD.

Curriculum is also oriented
towards comprehensive
learning for success in National
Eligibility Test (NET) along with
regular practice tests for
continuous development of
students.

M Sc Microbiology
Eligibility: BSc with
Microbiology/ Biotechnology /

Biochemistry/ Life Sciences as
one of the subject with at least
55% marks (Admission in order
of above preference)
Duration: 4 semesters.
Research will form a part of the
programme starting from the
first semester
Basis of Admission: Through
Shoolini University entrance
test (Online facility available)

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

The programme combines
course work with research and
prepares students for careers
as professional



Faculty of Applied Sciences & Biotechnology -59		Faculty of Applied Sciences & Biotechnology -60			
	<p>companies/ industries are to be competent in biotech processes as well in management practices. The MBA Biotechnology at Shoolini University School of Business Management is unique as the top country heads and highly qualified biotech scientists teach the students. This helps them in getting lucrative managerial jobs because they are well exposed to the needs of the corporate sector and have sound technical knowledge to meet the needs of highly specialized biotech and pharmaceutical industries.</p>	<p>PhD Biotechnology Eligibility: Master's degree in the Biotechnology/ related discipline with at least 60% marks. Duration: 6 semesters: 1 semester coursework + 5 semester research Basis of Admission: Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test.</p>	<p>Bioengineering & Food Technology</p> <p>Faculty Members</p> <p>Prof Manoranjan Kalia PhD (Ohio State University); Professor of Eminence; Former Vice Chancellor of HP Agriculture University</p> <p>Dr PK Chauhan PhD, NET; Assistant Professor (Biochemistry)</p> <p>Dr Azhar Khan PhD; Assistant Professor - On study leave</p> <p>Dr Ravinder Kaushik PhD; Assistant Prof (Food Tech)</p> <p>Dr Naveen Kumar PhD, Assistant Professor (Dairy Tech)</p> <p>Mr Ankur Kushal M Tech; Biotechnology; Assistant Professor</p> <p>Ms Shalini Jaggi M Tech; Assistant Professor (Biotechnology)</p> <p>Mr Rupak Nagraik M Tech; Assistant Professor (Bioinformatics)</p> <p>Mr Vikas Bansal M Tech; Assistant Professor (Food Tech)</p> <p>Ms Chandrika Attri M Phil; Research Officer (Biotechnology)</p>		
	<p>M Phil Biotechnology / Microbiology Eligibility: M Sc/ Biotechnology/ Microbiology/ any related branch of Life Sciences with minimum of 60% marks. Duration: 2 semesters: 1 semester coursework + 1 semester thesis Basis of Admission: Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university.</p>	<p>PhD Microbiology Eligibility: Master's degree in the Microbiology/ related discipline with at least 60% marks. Duration: 6 semesters: 1 semester coursework + 5 semester research Basis of Admission: Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test.</p>	<p>Mr Rahul Thory M Sc; Assistant Professor (Food Tech)</p> <div> <p>Academic Programmes</p> <ul style="list-style-type: none"> • B Tech Biotechnology • B Tech Food Technology • M Tech Biotechnology • M Tech Food Technology • M Sc Food Technology • PhD Food Technology • PhD Biotechnology </div> <p>B Tech Biotechnology (Food Biotechnology, Pharmaceutical & Healthcare, Bioinformatics, Biotechnology, Genetic Engineering, Instrumentation Biotechnology, Environmental Biotechnology, Agri-Biotechnology (seed biotechnology), Industrial Biotechnology) Eligibility: 10 + 2 (PCM/ PCB); Lateral entry to 3rd semester for Diploma holders in concerned or related subject with minimum 55% marks</p> <p>Duration: 8 semesters Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government. Industrial Training: Spread over different semesters for on-hand experience in biotech related commercial/research and development activities. Specialisation: Provision for Specialisation/ Electives in 5th Semester in Medical/ Pharmaceutical Biotechnology, Plant (seed biotechnology) & Food Biotechnology, Bioinformatics, Nanotechnology, Animal Biotechnology, Environment Biotechnology</p> <p>Biotechnology is an interdisciplinary science integrating biological sciences with engineering sciences, pharmaceutical sciences, mathematics, chemistry and physics. Biotechnology has applications in diverse fields, such as medicine, agriculture, food technology, pharmaceuticals, diagnostics, blood products, artificial organs, nutraceuticals, energy, pollution control, environment protection and waste management.</p>		

Mountaineering Camp at Naldera

mathematics, chemistry and physics. Biotechnology has applications in diverse fields, such as medicine, agriculture, food technology, pharmaceuticals, diagnostics, blood products, artificial organs, nutraceuticals, energy, pollution control, environment protection and waste management.

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

B Tech Food Technology

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

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

effective production and commercialization of food products and services.

M Tech Biotechnology

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

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

producing new products.

M Tech Food Technology

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

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

M Sc Food Technology

Eligibility: B Sc; minimum marks 50%
Duration: 4 semesters
Basis of Admission: By Shoolini University entrance test (Online facility available) Food Technology provides an effective and timely platform

for researchers in universities, research institutions, and industries, to conduct research in cutting-edge processing technologies, involved from the beginning of the food supply source to the dinner table of the consumers. The food processing sector in India is expected to have market size of 210 billion US dollars in 2015.

PhD Biotechnology

Details Given on page no. 59

PhD Food Technology

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

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

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



Faculty of Engineering & Technology

Prof Arvind Nanda
Director General & Dean,
Faculty of Engineering
and Technology



An alumnus of prestigious IIM Bangalore, Prof Nanda has held senior management positions in reputed companies in the course of past 35 years with experience in field of Automotive and Engineering industry. He has successfully lead teams and organizations to achieve breakthrough improvements in operations and business results.

He is the Founder and Chief Executive of 'Growth Enablers' and has built value adding associations with several Indian and global companies to support their business growth endeavours. Prof Nanda, has actively participated in skill enhancement, team leadership, coaching and mentoring activities all through his professional career.

Prof Nanda is also a certified assessor of the EFQM Business Excellence Model and has undergone a certificate program on TQM by AOTS Japan. He was the winner of First Prize in National Competition of Young Managers held by All India Management Association. Besides, he has also been a member of the Civil Aviation Advisory Board of the Govt of India and CII's National Committee on Civil Aviation. He has held professional membership of National Institute of Industrial Engineering and National Institute of Personnel Management.

Faculty of Engineering and Technology


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

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

The Faculty of Engineering and Technology believes in imparting industry relevant education to its students so

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

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

Faculty of Engineering and Technology - 65		Faculty of Engineering and Technology - 66	
	<p>discussion based on highly interactive approach. It is an accelerated learning programme designed after Shoolini's 'Sprint MBA' that is inspired by Stanford's mini MBA.</p>		
	<p>Centre of Excellence for Automobile Engineering</p> <p>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.</p> <p>It will be the first such institute in region providing academic excellence in Automotive Engineering at Under graduation, Master's and Doctorate level, along with imparting training to upgrade skills required by the Automotive industry.</p> <p>Centre of Excellence for Nanotechnology</p> <p>Nanotechnology is an emerging technology of the 21st century. It relates to the study of production and</p>		<p>manipulation of materials at extremely small scale with applications across all branches of science and engineering. The university has, thus, established the Centre of Excellence in Nanotechnology (CEN) which provides common facilities for undertaking multidisciplinary research in nanoscience and nanotechnology. The main objectives of the CEN include joint research with national and international institutions, technology transfer and commercialization of research outcomes.</p> <p>International Student and Faculty Exchange</p> <p>As part of international tie-ups with various organisations, Shoolini University has in place an exchange programme for students and faculty to prosecute studies and undertake research at respective organisation. Under the student exchange programme, two final year students of B Tech Electronics and Communication Engineering (ECE) at Shoolini University; Vivek Soni and Bhanu Pratap Singh, have been selected to complete their final</p>
		<p>semester at Gachon University, South Korea. Similarly, three students of B Tech Computer Science and Engineering (CSE); Palak Srivastava, Gauravi Sharma and Richa Verma, have gone to University of Suwon, South Korea.</p> <p>Students have been awarded fellowships to meet their boarding, lodging and tuition fee expenses at the South Korean Universities. The Anand Automotive Group has agreed in principle to offer short term jobs for these students in Korean industries functioning in India after the completion of their studies so as to enable them to pay off their travelling</p> <p>On the faculty exchange front, Dr Hyoung-In-Lee, Research Professor from Seoul National University taught Shoolini B Tech students (electrical and mechanical engineering) for a fortnight in February this year.</p> <p>Facilities</p> <ul style="list-style-type: none">• Mechanical Workshops (4)• Mechanical labs (3)• Physics & Chemistry Labs (2)• Computer Labs with broadband connectivity	<p>OptiPlex Dell high end machines (5)</p> <ul style="list-style-type: none">• Electrical Lab (1)• Food Technology Labs (2)• Electronics and Communication Labs (5)• Drawing Hall (3)• CSE Labs (3)• Language Lab (1)• Seminar Room (1)• Tutorial Rooms (6)• Equipments & Facilities under the Faculty of Biotech & Faculty of Basic Sciences <p>Current Areas of Research</p> <ul style="list-style-type: none">• Big Data• Image Processing• Cloud Computing• Wireless Sensor and Networks• Cryptography and Network Security• Transparent Conducting Oxide Films• Integrated Micro/ Nano Photonics• Robotics and Automation• MEMS and NEWS• Heat Transfer• Material Science• Hydro Turbines• Manufacturing Technology• Renewable Energy
			<p>Career Paths</p> <ul style="list-style-type: none">• Software Engineers / System Analysts & Developers/ Programmers• Database Management Media & Computer Graphics• Cyber Security Managers• Aviation, Semi Conductor & Telecom Industries• Food Processing, Distillery, Beverages, Bakery, Soft Drinks Industries• Biotechnology, Bioinformatics and Pharmaceutical Industries• Chip Designing• Defence Organizations (Technical & Logistics Cadres)• Mobile, Wireless, Internet & Telecommunication Sectors• Academics (Teaching/ Research/Training)• Entertainment & Hospitality Sectors• Construction Buildings, Dams, Roads, Tunnels, Super Highways <p>School of Mechanical & Civil Engineering</p> <p>Faculty Members</p> <p>Dr Subhash Chandra PhD (Mechanical Engg), University of Cincinnati; Professor of Eminence; MD & Chief Technology Officer, Connecticut Clean Energy Fund</p> <p>Dr JP Soni PhD, BE; Former Professor & Head, Civil Engineering Dept, PAU; Executed engineering programmes in Ahmadu Bellu University, and Zaria and Kaduna Polytechnics in Nigeria; Professor of Eminence (Civil)</p> <p>Dr Yashvir Singh Goel PhD (Mechanical Engg) IIT Delhi; MBA; Former Head Training IIT Delhi, Professor of Eminence (Mechanical Engineering)</p> <p>Dr SR Prabhakar PhD (Metallurgical Engg.) (ME); Professor of Eminence</p> <p>Mr Arvind Nanda FTGMP (General Management), B Sc Production Engineering; Director General & Dean</p>

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

Dr Muneesh Sethi
PhD, M Tech Fluid Mechanics;
Professor (Mechanical)

Er Anil Mittal
ME; Associate Professor (Civil);
Former Superintending
Engineer, Dept of Irrigation,
Haryana

Er Bhaskar Goel
M Tech Production Engg;
Associate Professor (Mechanical)

Dr Om Prakash Netula
PhD; Associate Professor (Civil)

Er Pedagogu Viswa Mohan
ME, M Sc; Associate Professor

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

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

Dr Priyadarshi Upadhyay
PhD, Assistant Professor (Civil)

Er Robin Thakur
M Tech; Assistant Professor
(Mechanical)

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

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

Er Maninder Singh
M Tech; Assistant Professor
(Mechanical)

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

Er Sorabh Aggarwal
M Tech; Assistant Professor
(Mechanical)

Er Sumit Mehlwal
M Tech; Assistant Professor
(Mechanical)

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

Er Raj Kumar
M Tech; Assistant Professor
(Mechanical)

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

Er Sashank Thapa
M Tech; Assistant Professor
(Mechanical)

Er Akshay Pathania
M Tech; Assistant Professor
(Mechanical)

Er Oumpratap Sharma
B Tech; Lecturer (Civil)

Er Sushil Kumar
B Tech; Lecturer (Mechanical)

Er Vinod Kumar
B Tech; Lecturer (Mechanical)

Er Himanshu Chauhan
B Tech; Lecturer (Civil)

Er Baljinder Singh
B Tech; Lecturer (Mechanical)

Er Kailash Chandra
B Tech; Lecturer (Civil)

- Academic Programmes**
- B Tech Civil Engineering
 - B Tech Mechanical Engineering
 - B Tech Nanotechnology
 - M Tech Mechanical Engineering
 - M Tech Civil Engineering
 - PhD Mechanical Engineering
 - PhD Civil Engineering

B Tech Civil Engineering

Eligibility: 10+2 (PCM) with at least 45% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.
Duration: 8 semesters
Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built

environment, including works like roads, bridges, canals, dams, and buildings. Civil engineering takes place at all levels: in the public sector from municipal through to national governments, and in the private sector from individual homeowners through to international companies.

B Tech Mechanical Engineering

Eligibility: 10+2 (PCM) with at least 45% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.
Duration: 8 semesters
Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

Mechanical engineering is a discipline of engineering that applies the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems.



Center for automobile engineering

Faculty of Engineering and Technology - 69			Faculty of Engineering and Technology - 70			
  	<p>It is the branch of engineering that involves production and usage of heat and mechanical power for the design, production, and operation of machines and tools. It is one of the oldest and broadest engineering disciplines.</p>					
	<p>B Tech Nanotechnology</p> <p>Eligibility: 10+2 (PCM) with at least 60% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.</p> <p>Duration: 8 semesters</p> <p>Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.</p>					
	<p>Nanotechnology is a multi-disciplinary field which arises from the convergence of physics and materials science, chemistry, biology and electronics. This branch of engineering commonly refers to the fabrication, study, and manipulation of structures having sizes in the range from one to one hundred nanometers (a nanometer is a billionth of a meter). In 21st</p>					
	<p>century, nanotechnology will play a vital role in targeted drug delivery and developing high performing microprocessor chips, tube-like computers, nanorobots, micro MP3, etc. Market forecasts indicate £1.2 trillion nanotechnology related sales across all sectors by 2015.</p>					
	<p>M Tech Mechanical Engineering</p> <p>Eligibility: B Tech Mechanical Engineering with minimum marks 50%;</p> <p>Duration: 4 semesters</p> <p>Basis of Admission: Through Merit of HPTU Entrance Test followed by Personal Interview.</p>					
	<p>M Tech Mechanical Engineering degree programme prepares the student for a successful professional career through advanced study in design, development, analysis, manufacturing, and maintenance of mechanical systems for a wide range of industries, including transportation, automation, energy generation and electronics. It combines courses with research/project</p>					
	<p>work in contemporary areas for solving real world problems.</p>					
	<p>M Tech Civil Engineering</p> <p>Eligibility: B Tech Mechanical Engineering with minimum marks 50%</p> <p>Duration: 4 semesters</p> <p>Basis of Admission: Through Merit of HPTU Entrance Test followed by Personal Interview.</p>					
	<p>PhD Mechanical Engineering</p> <p>Eligibility: Master's degree in Mechanical Engineering or any other related discipline with at least 60% marks</p> <p>Duration: Minimum six semesters</p> <p>Basis of Admission: Admission shall be made through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test.</p>					
	<p>PhD Civil Engineering</p> <p>Eligibility: Master's degree in Civil Engineering or any other related discipline with at least 60% marks</p> <p>Duration: Minimum six semesters</p>					
			<p>Basis of Admission: Admission shall be made through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test.</p>			
			<p>School of Electrical & Computer Engineering</p> <p>Faculty Members</p>			
			<p>Er CP Mahajan Electronics & Electrical Engg (EEE); Professor of Eminence</p>	<p>Er Pankaj Vaidya ME, BE; Associate Professor (EEE, CSE)</p>	<p>Er Amit Nayyer M Tech (CSE); Assistant Professor</p>	<p>Er Namita Gandotra, M Tech; Assistant Professor (CSE)</p>
			<p>Dr GS Virdi PhD, Post-doc USA & Finland; Professor of Eminence</p>	<p>Ms Poonam Nanda MA (English); Associate Professor (Communications & Skills Development)</p>	<p>Er Ashwani Sharma M Tech (ECE); Assistant Professor</p>	<p>Er Randhir Bhandari M Tech; Assistant Professor (CSE)</p>
			<p>Dr Ram Prakash Dwivedi PhD Information & Communication Engg, Post-Doc (South Korea); Professor</p>	<p>Dr Sanjay Kumar Upadhyay PhD (IIT Bombay); NET; Assistant Professor (Bioinformatics); On study leave</p>	<p>Er Rajesh Kumar M Tech (ECE); Assistant Professor</p>	<p>Er Sanjay Bhardwaj B Tech; Lecturer (ECE)</p>
			<p>Er Surender Sharma MCA, M Tech, PGDPM (HR), MBA; Associate Professor (CSE)</p>	<p>Dr Varun Jaswal PhD; Assistant Professor (Bioinformatics)</p>	<p>Er Niharika Pal M Tech (ECE); Assistant Professor</p>	<p>Er Lalita Sharma B Tech; Lecturer (CSE)</p>
				<p>Er RK Saini ME, MIE; Assistant Professor (Electrical Engineering)</p>	<p>Er Vivek Kanwar M Tech (ECE); Assistant Professor</p>	<p>Er Divya Sharma M Tech; Teaching Assistant (ECE)</p>
				<p>Er Gaurav Gupta M Tech; Assistant Professor (IT)</p>	<p>Er Akshay Gupta M Tech (ECE); Assistant Professor</p>	<p>Er Ruchika Chandel M Tech; Teaching Assistant (CSE)</p>
				<p>Er Sunil Pathania M Tech; Assistant Professor (ECE)</p>	<p>Er Avtar Singh M Tech (CSE); Assistant Professor</p>	<div>Academic Programmes</div> <ul style="list-style-type: none">• B Tech Computer Science & Engineering• B Tech Electronics & Communication Engineering• B Tech Electrical Engineering• B Tech Bioinformatics• M Tech Computer Science & Engineering• M Tech Electronics & Communication Engineering• PhD Electronics & Communication Engineering• PhD Computer Science & Engineering
				<p>Er Sachin Sharma M Tech; Assistant Professor (CSE) cum Networking Administrator</p>	<p>Er Sakshi Anand M Tech; Assistant Professor (ECE)</p>	
					<p>Er Vinay Kumar M Tech; Assistant Professor (EEE)</p>	
					<p>Ms. Shagun Gupta M Sc; Lecturer (System Biology & Bioinformatics)</p>	
					<p>Er Meenakshi Nayyer M Tech; Assistant Professor (CSE)</p>	



B Tech Computer Science & Engineering

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

Duration: 8 semesters
Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

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

B Tech Electronics & Communication Engineering

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

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

Duration: 8 semesters
Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

In recent years, electronics the world over has made unprecedented growth in terms of new technologies, new ideas and principles. The rate of obsolescence of technologies has also been extremely high. Researchers, academicians, industries and the society at large have to work in unison to meet the challenges of this rapidly growing discipline. Research organizations and industries that work in this frontier area are in need of highly skilled and scientifically oriented manpower.

B Tech Electrical Engineering

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

Duration: 8 semesters
Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

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

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

B Tech Bioinformatics

Eligibility: 10+2 (PCM) with at least 60% marks; Lateral Entry to 3rd Semester for Diploma holders in concerned or related subject with minimum 55% marks.

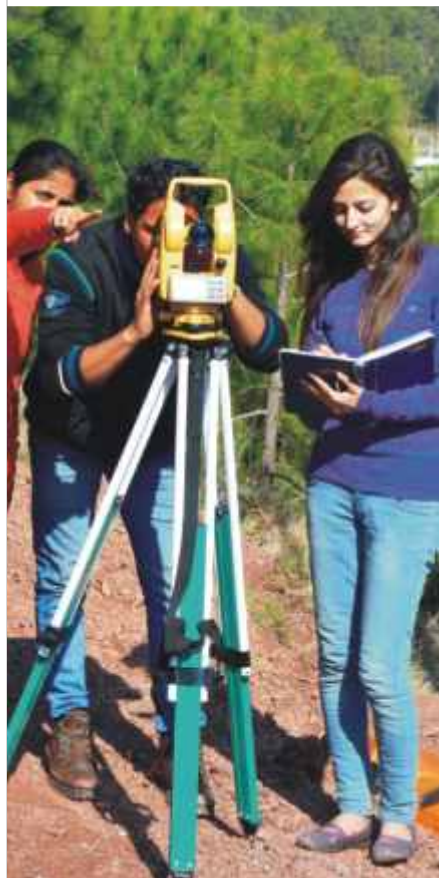
Duration: 8 semesters
Basis of Admission: Through JEE/ HPCET or any equivalent entrance test recognised by HP Government.

Bioinformatics is an interdisciplinary field that develops and improves upon methods for storing, retrieving, organizing and analyzing biological data. It integrates biotechnology, information technology, basic mathematics and statistics, and biophysics. Due to multidisciplinary approach of the course there are multifarious job opportunities for the bioinformatics graduates including jobs in biotech and pharmaceutical industries, public and academics research organizations, multinational companies, agricultural and healthcare organizations, software developers, and database developers, etc.

M Tech Computer Science & Engineering

Eligibility: B Tech Computer Science & Engineering OR M Sc Computer Science/ any other related subject; minimum marks 50%
Duration: 4 semesters





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

M Tech Electronics & Communication Engineering

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

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

PhD Electronics & Communication Engineering

Eligibility: Master's degree in Electronics & Communication

Engineering or any other related discipline with at least 60% marks

Duration: Minimum 6 semesters

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

PhD Computer Science & Engineering

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

Duration: Minimum 6 semesters

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



Basketball practices underway at the centrally located courts with the Knowledge Center forming the backdrop

Faculty of Management Sciences & Liberal Arts



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

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

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

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

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

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

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

We envisage building the School of Business Management 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.

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

Focus on Placement

- Active placement & career development cell, which frequently coordinates to give foothold to the students in the industry, higher education and entrepreneurship.
- School of Business Management conducts campus placements for its students. During placement week a large number of MNCs and leading companies visit the campus for on spot placements.
- Top placement for MBA

Batch 2013 with excellent pay packages in reputed companies, such as Genpact, ICICI, Marsh & McLennan, C-Step, Toyota, Neva Garments, Abacus Offshore from Seychelles, Religare, India Infoline and many more.

- Great summer placements for first year MBA students (Batch 2014) with handsome stipends.

Best in class & Quality Education

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

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

Industry Module

- 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.

Personality Development Modules

- The unique Module for Self Improvement thru' meditation and yogic sciences is offered to MBA students for building self confidence and facing challenges in the corporate world.
- The Communication Effectiveness Module offers best in class techniques on communication skills for interviews and managerial effectiveness.
- Students' Management Club 'The Invincible' for overall development of students.

Up Skilling through 'Sprint MBA'

Shoolini University's 'Sprint MBA' is inspired by Stanford's mini-MBA programme – designed significantly to upgrade skills and capabilities of Shoolini's full time MBA students. Led by top corporate and industry leaders, 'Sprint MBA' involves exhaustive subject matter sessions on key management topics including business processes, finance, marketing, HR, operations, law and case study based highly interactive approach.

MBA in partnership with GENPACT

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

employable pool of managers for Genpact and similar organizations.

Current Areas of Research

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

Governance Support to MBA Programme

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

Mr Ramesh K Mehan

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

Mr Raj Khosla

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

Mr Sudhir Shukla

MBA; Former Senior Vice President, Yamaha India

Mr Ashish Khosla

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

Mrs Ashoo Khosla

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

Mr Vishal Anand

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

Mrs Nishtha Anand

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



Prof Atul Khosla, Pro Vice Chancellor receiving Best Private Upcoming Business School ASSOCHAM Award from Dr Pallam Raju, HRD Cabinet Minister, GOI

Faculty of Management Sciences and Liberal Arts - 79			Faculty of Management Sciences and Liberal Arts - 80			
 	<p>Guest Faculty & Mentors</p> <p>Frequent visits by expert guest faculty lend exposure to students, opening up a multitude of avenues for them to know more about the latest management practices. We have a score of national and international corporate leaders as mentors visiting our university to provide intellectual inputs.</p>	<p>Arjun Singh B Tech (IIT Bombay), MBA (IIM Calcutta) Managing Director Hewitt Associates. Previously executive positions with WNS, ABN AMRO Bank, GE</p> <p>Avijit Bhattacharya B Tech (IIT Kanpur), MBA (IIM Bangalore). CEO at Tata Securities; Previously executive position at other Tata Group companies</p> <p>David Bergeron PhD (University of Pennsylvania, USA). Principal, Oliver Wyman, Pennsylvania; Principal, Oliver Wyman</p> <p>Gaurav Mehta Senior Manager Roland Berger. Previously with Morgan Stanley, UBS</p> <p>Hansi Mehrotra CFA, MBA (Wharton), Head of wealth management, Asia Pacific at Mercer Investment Consulting</p> <p>Jaijit Bhattacharya B Tech (IIT Kanpur), MBA (IIM Calcutta),PhD (IIT Delhi). Country Director Sun Microsystem, visiting faculty INSEAD. Previously senior position with Oracle, Accenture</p>	<p>Justice N K Sodhi Former Chief Justice Court of Karnataka, Chairman Special Appellate Tribunal (SAT)</p> <p>Jatinder Arora DGM Bharti Airtel. Senior Professional with 17 years experience in telecom sector</p> <p>Kamlesh Vyas Director First India School of Business. PhD HRM and Social Media. Worked as CEO ACME, GM MKRH, Senior Consultant at Watson Wyatt, Ernst & Young etc. More than 15 Years of experience in corporate world</p> <p>Munish Sapra Ex MD Scotia Bank, Formerly with Citi Bank</p> <p>Nidhi Uppal Senior Manager, Development Bank of Singapore</p> <p>Nitin Aggarwal B Tech (IIT Delhi), MBA (IIM Calcutta). Head, India Knowledge Management at ZS Associates. Previously senior position at McKinsey & Company, Hay Group, Pipal Research</p>	<p>Peter Dale MBA (London Business School). Advisor, Credit Sussie, Zurich. Previously senior position at Kearney</p> <p>Pratik Ved MBA (IIM Ahmedabad). Manager Unilever India</p> <p>Ritwik Ghosh B Tech (Jadhavpur University), MBA (IIM Calcutta). Senior Manager Oliver Wyman. Previously senior position at Capital One, USA</p> <p>Sanil Chawla GM Tatasky</p> <p>Sanjay Kedia MBA (SP Jain). Country Head and CEO, Marsh India. Previously senior position at IDBI Bank</p> <p>Vineet Anurag MD Bank of America Merrill Lynch, MBA Finance Indian Institute of Management, Calcutta</p>	<p>Facilities</p> <ul style="list-style-type: none">• IT Centre• e-Lab• Language Lab• Audio-Visual Room• Mediation Hall• Tutorial Rooms• Conference Rooms• Seminar Halls• Video-conferencing• Online Lectures	<p>Faculty Members</p> <p>Prof SC Tewari PhD; Professor of Eminence</p> <p>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</p> <p>Professor Ashley Braganza PhD; Adjunct Professor; Professor of Organisational Transformation, Brunel Business School, London</p> <p>Dr OP Monga PhD Sociology; Professor & Associate Dean</p> <p>Dr Kuldeep Rojhe PhD; MBA (SLET); Associate Professor (Marketing, IT, Mass Communication)</p> <p>Dr Saibal Basu PhD, University of Norte Dame; Associate Professor (Economics)</p>
	<p>Aarti Nihalani B Tech (UDCT, Mumbai), MBA (IIM Ahmedabad), Manager at Oliver Wyman</p> <p>Anish Tawakley B Tech (IIT Delhi), MBA (IIM Bangalore). Sr Director, Research at Credit Suisse. Previously senior positions with Bernstein, McKinsey & Co</p> <p>Anurag Chaudhary M Sc (Delhi University), MBA (Jamnalal Bajaj), Managing Director Citibank, London. Previously with ANZ Grindlays Bank</p>	<p>Career Paths</p> <ul style="list-style-type: none">• Executives / Managers (Private & Public Sectors)• Public Relations• Management Consultancy• Marketing Research Analysts• Financial Analysts• Investment Banking/ Insurance Associates• Retail Management• Media Management• Product & Brand Manager• HR Corporate Trainer/ HR Manager• Entrepreneurship• e-Business• Academics (Teaching & Research)				

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

Dr Rakesh Kumar Shukla
PhD; Assistant Professor
(Statistics)

Mr Munish Prabhakar
MBA, B Sc; Associate Professor-
cum-Director Placement

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

Mr Narinder Verma
PGDM(IIMC); PGDAC; B Tech
(IIT); Associate Professor-cum-
Director Special Project

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

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

Mr Nikhil Uprety
MBA Agri Business, NET;
Assistant Professor cum PRO

Mr Nitin Gupta
MBA, PGDPM & LW; Assistant
Professor

Mr Kamalkant Vashisth
MBA; Assistant Professor

Ms Varsha Patil
Company Secretary, B Com;
Assistant Professor

Ms Pooja Verma
MBA (HR); Assistant Professor

Mr Vikrant Chauhan
M P Ed, SET; Assistant Professor

Mr Amar Rao
MBA; Assistant Professor

Mr Chander Mohan Gupta
MBA, M Com; Assistant
Professor

Mr Shivendra Krishan Gupta
MBA; Assistant Professor

Ms Kiran Bala
M Phil (Sociology); Assistant
Professor

Mr Shard
MS IT (Application
Development); Assistant
Professor

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

Ms Prachi Kapil
MBA; Assistant Professor

Mr Anurag Awasthi
MBA; Assistant Professor
(Training)

Mr Sumit Verma
MBA; Assistant Professor

Mr Pawan Sharma
MBA; Assistant Professor

Ms Shubhika Sharma
MBA; Assistant Professor

Ms Divya Jyoti Thakur
MBA; Assistant Professor

Ms Sonia Dadwal
MBA; Assistant Professor

Ms Harsha Thakur
MBA; Assistant Professor

Mr Nitin Patyal
M P Ed, Junior Students'
Welfare Officer

Academic Programmes

- BA (Hons) Economics
- BBA
- B Com (Hons)
- MBA
 - Finance
 - Biotechnology
 - Executive (Regular)
 - Pharma & Healthcare
- PhD Management (Business Management/ Environment Management)
- PhD Economics

BA (Hons) Economics

Eligibility: 10+2 (Any stream)
with at least 50%.marks
Duration: B Com (Hons): 6
semesters
Basis of Admission: By merit of
qualifying examination

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

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

BBA

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

The BBA degree programme
aims at developing
professionals in business
administration with a focus on
specialization at undergraduate
level. During your 3 years in the
programme, you will gain much
more than an outstanding and
integrated business education.
You will also acquire the critical
leadership, team, and
communications skills that
today's employers are looking
for.

MBA

(Specialisation: Marketing/
Finance/HR/Retailing)
with an Add-on Certificate
Course on Business Process
Management
Eligibility: Bachelor's Degree
(Any discipline) with at least
50% marks.

Duration: 4 semesters
Basis of Admission: Through
HPCMAT conducted by HP
University, AICTE CMAT,
GMAT, CAT, MAT or any other
state or national level
Management Aptitude Test,
followed by group discussion
and personal interview at
School of Business
Management, Shoolini
University.

The MBA programme at
Shoolini University prepares
you for a successful
management career by
building core managerial
expertise and personality
developed by leading
professional managers are
offered on key industry
sectors such as banking and
financial services with a view
to increase exposure and
employability of management
students.



Shoolini Marathon 2014 - Run for 'Make India Clean'

Our business school's unique mentorship programme aims at providing practice inputs and support to our MBA students and faculty. A score of national and international corporate leaders have pledged support to Shoolini University for this unique programme.

MBA Finance

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

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

MBA Executive (Regular)

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

Executive MBA from Shoolini is specially designed for executives with experience who want to acquire a professional education for excellence in their career. This two years full time program offers a wide scope of learning from top corporate experts with an industry driven and well-researched curriculum. Over and above the basic concepts, Shoolini executive MBA offers additional advantage of innovative pedagogic interface with a focus on development of essential managerial skills. The aim of the program is also to provide an opportunity to enhance peer networking and value-added collaborative learning through group work and insightful core and elective modules.

MBA Biotechnology*

(With an Add-on Certificate Course on Business Process Management)
Eligibility: Bachelor's Degree in Science/ Engineering/ Technology with at least 50% marks
Duration: 4 semesters
Basis of Admission: Through HPCMAT conducted by HP University, AICTE CMAT, GMAT, CAT, MAT or any other state or national level Management Aptitude Test, followed by group discussion and personal interview at School of Business Management, Shoolini University.

Industrial Training/ Project Work: Project Study/ industrial training in the last semester.
*Jointly with Faculty of Biotechnology

The MBA Biotechnology program is specially designed for students with a science or technical background who want to improve their competencies in general management, finance and business administration. The

key to a career in biotechnology is to appreciate the unique challenges faced by biotechnological, pharmaceutical, food and bio-based companies.

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

The MBA Biotechnology at Shoolini University School of Business Management is unique as the top country heads and highly qualified biotech scientists teach the students.

This helps them in getting lucrative managerial jobs because they are well exposed to the needs of the corporate sector and have sound technical knowledge to meet the needs of highly specialized biotech and pharmaceutical industries.





'Bawale Bawarchi' cooking competition



State-of-the-art class room

MBA Pharma & Healthcare*

Eligibility: A Bachelor's degree in Biological/ Pharmaceutical/ Veterinary/ Medical Sciences or Bachelor Degree in Biotechnology/ Bioinformatics with at least 50% marks
Duration: 4 semesters
*Jointly with Faculty of Pharmaceutical Sciences

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

Shoolini MBA Pharma and Healthcare is unique programme where top experts from the corporate and

industry regularly interact with our students and help them in application of business concepts for organizational effectiveness. The atmosphere of a leading business school with outstanding faculty from management, pharmaceutical and biotechnology makes your education a most rewarding learning experience.

PhD Management (Business Management / Environment Management)

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

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

PhD Economics

Eligibility: Master's degree in Economics with at least 60% marks.
Duration: Minimum 6 semesters
Basis of Admission: Admission shall be made through Shoolini University Entrance Test (JRF/NET/SAT/M Phil-qualified candidates are exempted from entrance test), followed by personal interview before the admission committee of the university.

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



Our campus offers ample number of walks for nature lovers

Faculty of Pharmaceutical Sciences

Prof Neeraj Mahindroo
Dean, Faculty of
Pharmaceutical
Sciences



A post-doc fellow from Department of Chemical Biology and Therapeutics, St. Jude Children's Research Hospital, Memphis, U.S.A and Division of Biotechnology and Pharmaceutical Research, NHR, Taipei, Taiwan, Prof Mahindroo's research interests include design and synthesis of small drug like molecules, structure-activity relationship studies; lead optimization for activity, selectivity and drug like properties; medicinal chemistry and chemical biology of the lead candidates; cell-based functional assays, cytotoxicity and apoptosis induction assays, western blot. In addition, he is interested in multistep synthesis, parallel synthesis and microwave synthesis.

Prof Mahindroo is a former research fellow of International Centre for Science and High Technology, Trieste, Italy. He has valuable experience of working in a multidisciplinary environment in a drug discovery group and coordinating medicinal chemistry projects.

Faculty of Pharmaceutical Sciences

School of Pharmaceutical Sciences

Pharmacy, an art which teaches the knowledge, choice, preservation, preparation and compounding of medicines. The discipline spans the development, testing, production and marketing of medicines and thereby monitoring drug therapy.

The School of Pharmaceutical Science 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 ventures like 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



Medicinal and Aromatic Flora', Workshops on 'Emerging Trends in Pharmacological Education & Research', Celebration of World Pharmacist Day and 'Pharma-Sprint' are some of the important events at the School.

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 Pharmacy has a quadripartite alliance with the Pharmacy and Poisons Board (PPB) of the Government of Kenya, Tirupati Medicare Ltd and Kumaun University for joint research. The School has tied up with Bukovinian State

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

Academic & Research Scholarships

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

Career Paths

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

Faculty Members

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

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

Dr Amarjeet Singh
PhD (Pharmaceutical Chemistry); Adjunct Professor

Dr ML Vaidya
MBBS, Professor (Medicine). Former Joint Director, HP Health Services

Dr Rohit Goyal
PhD (Neuropharmacology); Associate Professor

Dr Deepak Nandkishore Kapoor
PhD (Pharmaceutics); Associate Professor

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

Dr Gunjan Goel
MBBS, PGD Population & Health Management; Assistant Professor cum Medical Officer

Dr Sameer Sapra
PhD (Pharmaceutical Chemistry); Assistant Professor

Dr Poonam Negi
PhD (Pharmaceutics); Assistant Professor

Dr Shoumyo Bhattacharya
PhD; Assistant Professor (on leave)

Mr Vikas Sharma
M Pharmacy; Assistant Professor (Pharmacognosy)

Ms Shaila Khah
M Pharmacy; Assistant Professor (Pharmacology)

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

Ms Swati Pundir
M Pharmacy (Pharmacognosy); Assistant Professor

Mr Gaurav Sharma
M Pharmacy (Pharmacology); Assistant Professor

Ms Tanurajvir Kaur
M Pharmacy (Pharmaceutics); Assistant Professor



Flower Fest 2014

Academic Programmes

- B Pharmacy
- M Pharmacy
 - Pharmaceutics
 - Pharmacology
 - Pharmaceutical Chemistry
 - Drug Regulatory Affairs (DRA)
- MSc Pharmaceutical Chemistry
- MBA Pharma & Healthcare
- PhD

B Pharmacy

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

Bachelor of Pharmacy is the basic prerequisite for registration to practice as a pharmacist in India. B. Pharmacy programme has a duration of 8

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

M Pharmacy (Pharmaceutics/ Pharmacology/ Pharmaceutical Chemistry/ Drug Regulatory Affairs (DRA))

Eligibility: B Pharmacy with at least 55% marks
Duration: 4 semesters; Internship - One semester in pharmaceutical industry / analytical laboratory for professional experience
Basis of Admission: Through HPTU Entrance Test followed by Personal Interview



M Pharmacy Pharmaceutics programme

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

M Pharmacy Pharmacology programme

The first 2 semesters are dedicated to theoretical concepts of the pharmacological interventions, molecular targets

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

M Pharmacy Pharmaceutical Chemistry programme

The course M Pharmacy in Pharmaceutical Chemistry comprises of 4 semester's. First two semesters are dedicated to thorough exposure of theoretical concepts pertaining to medicinal, organic and plant chemistry along with their

pharmacological actions and practical exposure of various lab scale hazardous and non hazardous reactions. Last two semesters comprise wet lab practices such as preparation of extracts, isolation of constituents, their modifications and pharmacological actions, and strong practical exposure of organic reactions such as cyclizations, preparation of heterocyclic compounds and their SAR studies. Handling of various sophisticated instrumentations such as HPLC, FT-IR, UV, GC. Giving training to students for characterization of various natural as well as synthetic compounds using ^1H and ^{13}C NMR.

M Pharmacy Drug Regulatory Affairs programme

Drug Regulatory Affairs drives for the regulatory activities related to Research and Development in a pharmaceutical industry. The increasing market demand and competitiveness among pharmaceutical manufacturers

necessitates for approval of a drug from regulatory agencies like USFDA (USA), EDQM (Europe), TGA (Australia), MHRA (UK) and TPD (Canada). M Pharmacy (DRA) program aims to provide education for regulatory aspects and compliance for quality of a drug as per international standards. The curriculum is comprised of national and international drug approvals & bio-ethics, modern analytical techniques, international regulatory systems, clinical trials & healthcare policies, emerging concept in regulatory affairs, quality assurance GLP, GMP & process validation.

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

M Sc Pharmaceutical Chemistry

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

Duration: 4 semesters

Basis of Admission: By merit of qualifying examination.

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

MBA Pharma & Healthcare

(Jointly with Faculty of Management Sciences and Liberal Arts)

Eligibility: A Bachelor's degree in Biological/ Pharmaceutical/ Veterinary/ Medical Sciences or Bachelor Degree in Biotechnology/ Bioinformatics with at least 50% marks
Duration: 4 semesters

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

PhD Pharmacy

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

Duration: Minimum 6 semesters

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

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



Faculties

Faculty of Basic Sciences

Prof Sunil Puri
Professor & Dean,
Faculty of
Basic Sciences



Dr Puri is an alumnus of Oxford University and an eminent plant physiologist whose chief interests lie in stress physiology, land use systems, climate impacts, agroforestry, biofuel and energy conservation. Besides being a Fellow of National Academy of Agricultural Sciences, Prof Puri is on the editorial boards of several reputed national and international journals and a member of various professional bodies. He is actively working on agroforestry systems, nursery technology, vegetative propagation, tree improvement and afforestation of degraded lands. Pattern of crop productivity and soil nutrient dynamics in traditional agroforestry practices are some of his important contributions.

Considered an important achievement in the field of agroforestry, his studies have challenged the widely held view (Thornley's Theory) that trees under stress allocate more photosynthate and biomass to below ground components than to above ground components.

Prof Puri's contribution with regard to selection of suitable tree species under agroforestry practices as well as in wasteland/degraded lands and recommendations of negative effects of *Acacia nilotica* on crop productivity have been adopted by farming communities especially small farmers. He is also known for deriving the technology for accelerating fir and spruce seedlings growth in nursery.

Prof Puri has served as the Director of Higher Education at Indira Gandhi Agricultural University, Raipur.

Faculty of Basic Sciences

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

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

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

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

School of Biological & Environmental Sciences

Faculty Members

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

Prof Sunil Puri
PhD, Post-doc (Oxford University); Former Director Higher Education, Indira Gandhi Agricultural University, Raipur; Dean Basic Sciences & Professor (Plant Physiology)

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

Dr Arundeeep Ahluwalia
PhD; Professor of Eminence

Prof GK Sharma
PhD Forestry; Professor Emeritus

Dr Jagdeep Verma
PhD; Assistant Professor (Botany)

Dr Sujata
PhD, Assistant Professor (Botany)

Mrs Mamta Sharma
M Phil; Research Officer (Plant Physiology, Biodiversity)

Mrs Rachna Verma
M Phil; Research Officer (Botany)

Ms Amita Kumari
M Sc; Research Officer (Plant Biotechnology)

Ms Sharan Kahlon
M Sc; Teaching Assistant (Zoology)

Ms Shailja
M Sc; Teaching Assistant (Zoology)

Academic Programmes

- B Sc (Hons) Botany/ Zoology/ Physics/ Chemistry - Elite Programme
- M Sc Botany
- M Sc Zoology
- M Phil Botany
- M Phil Zoology
- M Phil Environment Science
- PhD Botany
- PhD Zoology
- PhD Environment Science



B Sc (Hons) Botany/Zoology/ Physics/ Chemistry -Elite Programme

Eligibility: 10+2 (PCB/ PCM)

- I. Scholarship Seats: Students who happen to be among top one percent in Class XII examination with cut-off marks percentage as given in DST Website www.inspire.dst.gov.in for SHE scholarships OR have secured in the Joint Entrance Test of IIT top 10,000 ranks, JEE (top 10,000 ranks) plus those clearing AIPMT (top 10,000 ranks); All Kishore Vaigyanik Protsahan Yojana (KVPY) Fellows, National Talent Search Examination (NTSE) Scholars, International Olympiad Medalists and Jagadish Bose National Science Talent Search (JBNSTS) Fellows.

- II. Non-Scholarship Seats: Minimum Marks 70%

Duration: 6 semesters (B Sc Hons)
Basis of Admission: By merit of qualifying examination.

Elite FREE EDUCATION programmes with provision of liberal scholarships under INSPIRE Scheme of Department of Science & Technology, Govt. of India, and financial assistance supplemented by Shoolini University. Similarly, they shall be supported for M Sc/ PhD.

M Sc Botany

Eligibility: B Sc with botany as one of the subject; minimum marks 50%
Duration: 4 semesters
Basis of Admission: Through Shoolini University entrance test (Online facility available)

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

M Phil or PhD .Curriculum is also oriented towards comprehensive learning for success in National Eligibility Test (NET) along with regular practice tests for continuous development of students.

M Sc Zoology

Eligibility: B Sc with zoology as one of the subject; minimum marks 50%
Duration: 4 semesters
Basis of Admission: By merit of qualifying examination.

The objective is to build a strong background in faunal biodiversity, ecology, physiology, cell and molecular biology, cytogenetics, biochemistry, biotechnology, applied zoology, reproductive biology, morphogenesis and anatomy, microbes and immunology. The programme includes research orientation from the first semester. It is also a foundation for entry into M Phil or PhD. Curriculum is oriented towards comprehensive learning for success in National Eligibility Test (NET) along with regular practice tests for continuous development of students.

M Phil Botany/ Zoology/ Environment Science

Eligibility: M Sc in concerned or related subject; minimum marks 60%.
Duration: 2 semesters
Basis of Admission: Through Entrance Test conducted by Shoolini University followed by personal interview

PhD Botany/ Zoology/ Environment Science

Eligibility: M Sc in concerned or related subject; minimum marks 60%.
Duration: 6 semesters
Basis of Admission: Through Shoolini University Entrance Test followed by personal interview before the admission committee of the university. JRF/NET/SAT/M Phil qualified candidates are exempted from entrance test.

School of Chemistry

Faculty Members

Prof Ramanand Chauhan
M Sc; Professor cum DSW

Dr Deepak Pathania
PhD; Associate Professor
(Organic Chemistry)

Dr Kalpana Chauhan
PhD; Assistant Professor
(Organic Chemistry)

Dr Pradeep Singh
PhD; Assistant Professor
(Organic Chemistry)

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

Dr Neeraj Gupta
PhD; Post-Doc;
Assistant Professor

Dr Deepti Goyal
PhD (IIT Bombay); Post-Doc;
Assistant Professor (Organic Chemistry)

Dr Amit Kumar
PhD; Assistant Professor
(Physical Chemistry)

Dr Gaurav Sharma
PhD, Assistant Professor
(Organic Chemistry)

Ms Deepika Jamwal
M Phil; Lecturer (Inorganic Chemistry)

Academic Programmes

- M Sc Chemistry
- M Phil Chemistry
- PhD Chemistry

M Sc Chemistry

Eligibility: B Sc with chemistry as one of the subject; minimum marks 50%
Duration: 4 semesters
Basis of Admission: Through Shoolini University entrance test (Online facility available)

The science of chemistry is set to play a pivotal role as we look for solutions to the current water and climate crisis. The M Sc programme in chemistry has been designed to equip students with the latest knowledge and skills that will enable them to provide solutions to the problems that face this earth. The objective is to build a strong background in nuclear chemistry, spectroscopy, photochemistry, adsorption & electrochemistry, supra-molecular chemistry, medicinal chemistry, metal ligand bonding & magneto



Faculty of Basic Sciences - 99	Faculty of Basic Sciences - 100
<div data-bbox="96 208 1167 968">  </div> <div data-bbox="96 968 1167 1638">  </div>	<div data-bbox="1808 303 2128 390"> <h3>School of Materials Science & Physics</h3> </div> <div data-bbox="1808 399 1997 434"> <h4>Faculty Members</h4> </div> <div data-bbox="1808 451 2152 590"> <p>Prof JD Sharma PhD; Professor Emeritus (Solid State Physics & Particle Physics)</p> </div> <div data-bbox="1808 616 2152 694"> <p>Prof Suman Bala Beri PhD, Adjunct Professor (Physics)</p> </div> <div data-bbox="1808 720 2152 937"> <p>Dr Atul Thakur PhD, Post-Doc; University of Brest, France; Post-Doc, National Taiwan University; Associate Professor & Head (Electronics, Nanotechnology)</p> </div> <div data-bbox="1808 963 2073 1067"> <p>Dr Atul Pandey PhD; Associate Professor (Solid State Physics)</p> </div> <div data-bbox="1808 1102 2152 1241"> <p>Dr Preeti Thakur PhD, Post-Doc National Taiwan University; Assistant Professor (Material Science)</p> </div> <div data-bbox="1808 1267 2152 1414"> <p>Dr Rajesh Sharma PhD, M Phil, NET; Associate Prof (Solar Energy) cum Director Admissions & Marketing</p> </div> <div data-bbox="2176 303 2496 407"> <p>Dr Neeraj Gandotra PhD, M Sc; Assistant Professor (Mathematics)</p> </div> <div data-bbox="2176 442 2452 581"> <p>Mr Virender Pratap Singh M Phil (Physics); M Tech; Assistant Professor Solid State Physics)</p> </div> <div data-bbox="2176 616 2469 711"> <p>Mr Vinay Sharma M Phil, M Sc; Assistant Professor, (Fluid Dynamics)</p> </div> <div data-bbox="2176 746 2452 850"> <p>Mr Sunil Kumar M Phil, M Tech (Engg Edu); Assistant Professor</p> </div> <div data-bbox="2176 876 2452 980"> <p>Dr Alok Darshan Kothiyal PhD; Post-Doc; Assistant Professor (Mathematics)</p> </div> <div data-bbox="2176 1006 2438 1111"> <p>Dr Suneel Dutt, PhD; Post-Doc; Assistant Professor (Physics)</p> </div> <div data-bbox="2176 1137 2479 1249"> <p>Dr Radheshyam Rai PhD, Post-Doc (Portugal); Assistant Professor (Physics)</p> </div> <div data-bbox="2176 1275 2438 1388"> <p>Ms Parul Sharma M Sc; Assistant Professor (Physics)</p> </div> <div data-bbox="2176 1414 2438 1519"> <p>Mr Kush Rana M Sc; Assistant Professor (Physics)</p> </div> <div data-bbox="2521 303 2861 486"> <div> <div>Academic Programmes</div> <ul style="list-style-type: none"> M Sc Physics M Phil Physics PhD Physics </div> </div> <div data-bbox="2521 494 2658 529"> <h4>M Sc Physics</h4> </div> <div data-bbox="2521 546 2841 651"> <p>Eligibility: B Sc with physics as one of the subject; minimum marks 50%</p> </div> <div data-bbox="2521 651 2841 781"> <p>Duration: 4 semesters Basis of Admission: Through Shoolini University entrance test (Online facility available)</p> </div> <div data-bbox="2521 807 2861 1484"> <p>The science of physics expands our knowledge of the universe and underlines new technologies, which benefit our society. The objective of the course is to build a strong background in quantum mechanics, electronics, electrodynamics, condensed matter physics, nuclear physics, nano physics, computational physics, solar energy physics, thermodynamics, atomic and molecular physics. It is also a foundation for entry into M Phil or PhD. Curriculum is also oriented towards comprehensive learning for success in National Eligibility Test (NET) along with regular</p> </div> <div data-bbox="2886 303 3185 373"> <p>practice tests for continuous development of students.</p> </div> <div data-bbox="2886 399 3254 642"> <p>The School of Materials Science Physics has strong research capabilities having collaborative research with DRDO and DST on nano magneto-dielectric materials and spinel nano ferrites for developing defence applications.</p> </div> <div data-bbox="2886 685 3041 720"> <h4>M Phil Physics</h4> </div> <div data-bbox="2886 737 3230 841"> <p>Eligibility: M Sc in concerned or related subject; minimum marks 60%.</p> </div> <div data-bbox="2886 841 3230 1006"> <p>Duration: 2 semesters Basis of Admission: Through Entrance Test conducted by Shoolini University followed by personal interview</p> </div> <div data-bbox="2886 1024 3020 1058"> <h4>PhD Physics</h4> </div> <div data-bbox="2886 1076 3230 1180"> <p>Eligibility: M Sc in concerned or related subject; minimum marks 60%.</p> </div> <div data-bbox="2886 1180 3230 1475"> <p>Duration: Minimum 6 semesters Basis of Admission: Through Entrance Test conducted by Shoolini University followed by personal interview before the admission committee of the university. JRF/NET/SAT/ M Phil qualified candidates are exempted from entrance test.</p> </div>



Other Information

Scholarships

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

Details of Scholarships*		
Sr. No.	Type of Scholarship	Amount
1	Single Girl Child Scholarship	Equivalent to 10% of Tuition Fee/ year#
2	Sibling Scholarship	Equivalent to 10% of Tuition Fee/ year#
3	Old Students Scholarship	Equivalent to 10% of Tuition Fee/ year#
4	Single Parent (Mother) Child	Equivalent to 20% of Tuition Fee/ year#
5	BPL Scholarship	As per HP Government policy
6	Merit Scholarships for all Undergraduate Programmes based on Class XII Board exams	
A) All State Education Boards		
	(i) 75-85% Marks (ii) 85-95% Marks (iii) 95% & above Marks	Equivalent to 10% of Tuition Fee for 1 year# Equivalent to 20% of Tuition Fee for 1 year# Equivalent to 75% of Tuition Fee for 1 year#
B) National Education Boards		
	(i) 80-90% Marks (ii) 90-95% Marks (iii) 95% & above Marks	Equivalent to 10% of Tuition Fee for 1 year# Equivalent to 20% of Tuition Fee for 1 year# Equivalent to 75% of Tuition Fee for 1 year#

Note

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

7	Merit Scholarships for MBA Programme (Based on graduation/ post-graduation exams)	
	(I) 65-80% Marks	Equivalent to 10% of Tuition Fee for 1 year##
	(ii) 80% Above Marks	Equivalent to 15% of Tuition Fee for 1 year##
8	Merit-cum-Means Scholarships	Twenty (20) Number: On the discretion of the Foundation for Life Sciences & Business Management##
9	Shoolini University Merit Scholarships	Rs. 2,000/- in each course for 1st Rank Holders in Semester examinations (Where the class strength is more than 10)##
10	Financial support to INSPIRE Scholarship holders in Elite B Sc (Hons) programme	Rs 20,000 per annum each##
11	Scholarship for wards of Shoolini employees	(I) Equivalent to 20% of tuition fee to the children of all faculty/ staff members# (ii) Equivalent to 50% of tuition fee to the children of all class four & similarly placed employees#
12	For PhD Scholars	Equivalent to 50% of Tuition Fee###
13	Renee-Mehan Scholarships	For Toppers in Shoolini University Scholarship Test for prospective Undergraduate students Amount: 1st Position – Rs 1 Lakh for 1 year## 2nd Position – Rs 50,000 for 1 year## 3rd Position – Rs 25,000 for 1 year##
14	Paramahansa Yogananda Scholarship (Sponsored by Prof PK Khosla, Vice Chancellor)	Two (2) number; Rs 25,000 each per annum for newly admitted undergraduate students#

*Conditions Apply

Hostel

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

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

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

Hostel Rules & Regulations

1. The right of admission to the hostels is reserved.
2. Admission to the hostels will be open at the beginning of the session.
3. Admission shall have to be sought afresh in every academic session and will be confirmed subject to the following conditions:
 - a) Receipt of a duplicate admission form duly signed by the parents / guardian of the resident. At the time of admission an applicant will fill such a form and attach a duly stamped envelope addressed to his/her parents/guardian.
 - b) Satisfaction of the Student Welfare Officer (SWO) regarding proper conduct and regular payment and dues of hostel, mess, and canteen in case of ex-residents.



4. Hostel accommodation shall be allotted on the basis of merit.

5. Residents should not keep cash or jewelry or other valuables in their rooms. The responsibility for safety of their belongings will be entirely that of the residents. The residents are advised to take out an insurance against theft and fire. The management will not be responsible for any loss.

6. 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.

7. 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.

8. In case of non-payment of dues or violation of any one of

the hostel rules by a resident, the SWO may get his/her room locked/vacated.

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

10. Use of electrical appliances, other than permitted ones, is strictly prohibited in the hostel.

11. 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.

12. 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.

13. Parents, friends and visitors are not permitted to stay in resident's room.

14. No resident shall remain absent from the hostel during night without written permission of the warden.

15. 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.

16. If a student residing in the hostel abstains from the classes without bonafide reasons, he/she shall be asked to quit the hostel.

17. Hostel charges are to be deposited for the whole academic year at the time of admission. Under special circumstances, it may be paid in maximum of two installments but with the prior permission of the Vice Chancellor. Hostel charges once paid are not refundable. In case a student leaves the hostel with prior

permission of the University Authority, they shall have to pay the room rent for the entire academic year.

18. 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.

19. Disrespect to DSW / SWO, Chief Warden & hostel wardens will lead to expulsion from the hostel.

Dates for the payment of all fees & other charges

(i) First semester (new admission): At the time of admission

(ii) Subsequent semesters

- 2nd / 4th /6th /8th semester : 10 - 30 December each year
- 3rd /5th /7th semester : 10 – 30 June each year

Transportation

Transportation charges per semester by the students at the time of admission for availing the university bus services to the University campus and back are as follows.

From Solan and surrounding areas	Rs 5,750
From Nauni	Rs 3,500
From Zero Point (junction of Solan-Oachghat)	Rs 2,700
From Parwanoo	Rs 8,500
From Dharampur	Rs 6,700
From Kumarhatti	Rs 6,000
From Rajgarh	Rs 7,200
From Shimla	Rs 8,500

Limited Travel Pass from campus to Solan city (to & fro journeys) (Maximum 10 trips in a semester) : Rs 500

Students availing bus facility have to register with University Accounts Office at City Office, SILB,

The Mall, Solan or with the Coordinator, Bajhol Campus. No refund shall be permitted under any circumstances, even if the student opts not to avail the facility during the middle of the semester.

Registration

1. All students must register with the University after their admission and again at the beginning of each semester (within 7 days).

2. Only those students shall be allowed to register who have paid the full semester fee and hostel / transportation charges as applicable for the ensuing semester.

3. Failure to complete registration in time will lead to cancellation of admission. In that case, they have to seek readmission by paying an amount Rs 1,000.





Refund of Fee

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

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

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

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

Dress Code

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

Education Loans



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

Anti-Ragging

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

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

Anti-Ragging Committee

Members with their Phone Numbers

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

Commitment for Safe & Secure Campus

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

Shoolini University Approvals/ Recognitions

Established by State Government

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

Recognised by University Grants Commission (UGC)

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

Approved by Pharmacy Council of India (PCI)

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

AICTE Approval

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



A glimpse of Shoolini's First Convocation being presided by Dr. APJ Abdul Kalam



How to Apply for Admission?

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