Dayananda Sagar University Bengaluru

Dayananda Sagar is backed by a **Six Decade Legacy** in Education & Healthcare

I enrolled at

Dayananda Sagar University for a

unique university

degree

Bengaluru is inviting !

The city at once is charming, inviting and ready to embrace all cultures. It is cosmopolitan and ranks high in adapting new thoughts: whether it is in fashion or in technology or in manufacturing.

Bengaluru has built for itself a reputation as the numero uno city for innovation and startups across the globe.

Reflecting that spirit and creating a great ambience in innovation is **Dayananda Sagar Institutions (DSI).**

DSI comes with a great legacy of delivering professional education spread over **six decades.** Enabling tens of thousands of youth to transform into wholesome personalities; who now occupy corner offices across the industry spectrum.

A legacy that has established a tradition.

Basking in that glory and reflecting similar traits is **Dayananda Sagar University.**

A destination that is unique!

Why DSU?

Location:
- We are in Bengaluru city - The ultimate destination in the nation

Great placement record:
- Students at DSU receive multiple offers from large corporates

Flexibility:
- Students can pick courses of their choice from a dynamic curriculum
- Start the program at DSU and migrate to an overseas university; end of the 2nd year onward
- Option to migrate to partner universities for a master's/doctoral program
- Experience great learning: Travel to global destinations for part of the academic program/industry visits

Great Faculty:
- Top class faculty drawn from best universities and research institutes in the world and inside the country
- Faculty has rich industry and R&D experience

The industry connect:
- 50% of the Academic Councils in DSU comprise of industry veterans ensuring curriculum is relevant for now and the future
- A dozen state-of-the art labs established with assistance from industry to form the innovation centre- is among the very few, nationally

Infrastructure:
The DSU campus is designed by Padma Bhushan Architect Hafeez Contractor giving this nation a world class university

The DSI Legacy:
DSU can lay claim to a strong six decade legacy

Awarded as the best Private University in South India by ASSOCHAM

At DSU you are in good company!

VISION To be a centre of excellence in education, research and training, innovation and entrepreneurship and to produce professionals with exceptional leadership qualities to serve national and global needs.

MISSION To achieve the objectives in an environment that enhances creativity, innovation and scholarly pursuits while adhering to our vision.

Dayananda Sagar University: Location - Bengaluru

IN THE HEART OF BENGALURU

Dayananda Sagar University (DSU) is situated in the heart of Bengaluru, India's "Garden City" and its "Silicon Valley", which ranks among the most dynamic, progressive and fascinating of Indian cities. A nerve centre for Space, Electronics, Automobile, Aerospace, Biotechnology, Genetics and Information Technology. With giant manufacturing firms driven by technology, the city is characterized by a high rate of development, and is one of Asia's fastest growing cities.

Bengaluru is well connected with all principal cities of India by road, rail and air. Kempegowda International Airport has direct flights to a number of destinations across the globe.

Defence establishments such as space, aeronautical laboratories, premier educational institutions like the Indian Institute of Sciences (IISc), the Indian Institute of Management (IIM) and many large public sector organisations have brought in a significant technical and scientific pool that is a reflection of the development over the last sixty years. This vast knowledge base present in varied institutions in the city, together with the ever-increasing number of professionals, many of whom are willing to work with academic institutions, makes Bengaluru a great centre of learning.

GREAT LEGACY

Late Shri R. Dayananda Sagar

Late Dr. Chandramma Dayananda Sagar

The Founder President of Dayananda Sagar Institutions, Late Shri R. Dayananda Sagar and Late Dr. Chandramma Sagar had a great vision: Education for all sections of society.

They set up the Mahatma Gandhi Vidya Peetha Trust (MGVP); which started as a one-college campus and is today a multi location destination to thousands of young men and women who walk into the Dayananda Sagar campuses in pursuit of a dream and march out as confident citizens, ready to absorb the challenges and opportunities of an exciting new world.

Dayananda Sagar Institutions, played an important part in creating history enabling easy access to good and quality education by all, winning the hearts of many, far and wide. Reflecting that legacy is Dayananda Sagar University.

THE LEADERSHIP

Dr. D.Hemachandra Sagar

Chancellor and Founder

Dr. D.Premachandra Sagar

Pro Chancellor and Founder

They are thinkers, planners, institution builders. By profession they are medical doctors, enriched with insights gained from hands-on work experience, learning and sharing through interaction. Accomplished and widely travelled, they bring with them worldly wisdom in all that they do.

Uniqueness of DSU : Industry labs on campus

Centres of Excellence (CoE) have been established by industry leaders such as:
- IBM, Autodesk, Bosch Rexroth, VMware, Boston, Dassault Systemes, Bosch ETAS, NVIDIA, Analog Devices and GE Healthcare. These labs provide opportunity for students to be :
- Involved in live-projects
- Guided in internship programs to suit various specializations
- Exposed to curriculum on inter-disciplinary research and its application
- Focused on training to suit global trends

Academic and Research Partnership with:

- Rochester Institute of Technology - USA
- Villanova University – USA
- Illinois Institute of Technology-Chicago – USA
- Northern University of Illinois, USA
- Kennesaw State University, USA
- University of Texas - Arlington, USA
- National Taipei University of Technology, (TAIPEI TECH), Taiwan
- FHDW Fachhichschule der Wirtscha (University of Applied Sciences) Paderborn, Germany
- Arizona State University

Placement

Every year over 200 Companies visit DSU for internship and placements that include : Amazon, Dell, GE, Texas Instruments, LinkedIn, National Instruments. Schneider Electric, HP, PayPal, L&T, Bosch, TCS, Cognizant, Accenture, Wipro, Infosys, Continental have participated in hiring at DSU. The highest annual package offered was Rs 27 Lakhs. Around 20 Students have received international placements in Companies like: IBJ, Tech Magic, Synapse and Human Resocia-Japan.

SCHOOLS

School of Engineering
School of Commerce & Management Studies
School of Basic & Applied Sciences
School of Health Sciences
Medicine
Pharmacy
Nursing
Allied Health - Physiotherapy
School of Arts & Humanities
Journalism & Mass Communication

B.Tech / M.Tech / Ph.D

In celebration of entrepreneurship

DSU's School of Engineering is a potent response to the challenge of Make in India. Students are not only trained to acquire new skills to operate on a global platform but are enabled as young people who look beyond employment; to become innovators and entrepreneurs. It is driven by a desire to disrupt the status quo.

The School of Engineering in DSU gives individuals a wide choice of courses to align their career objectives. Every department is equipped with modern laboratories, state-of-the-art-design tools and software packages. Emphasis is laid on continuous evaluation of students. Each programme is driven by faculty that has international exposure in R & D and rich industry experience.

Engineering - Bachelor's programs

- B.Tech in Computer Science & Engineering
  Computer Science & Engineering with specializations in:
  i) AI & ML ii) Big Data / Data Science iii) Cyber Security
- B.Tech in Mechanical Engineering
- B.Tech in Electronics & Communication Engineering
- B.Tech in Computer Science Technology with emphasis on Entrepreneurship
- B.Tech in Aerospace Engineering

Duration : 4 Years (8 Semesters)

At the undergraduate level, a student goes through foundation courses in Maths, Science, Humanities and Engineering. Each department ensures that the courses cover both the core and electives. Provision for institutional electives help a student to acquire inter-disciplinary knowledge/opt for specialization in an area closely related to the parent discipline.

Eligibility : PUC / 10 + 2 with at least 45% marks

Since the medium of instruction is English, students need acceptable levels of language proficiency. Students with lower language proficiency can undergo a foundation programme in English at the Language Centre in DSU.

Admission Process

- DSU Entrance Test scores
- Academic scores of Plus 2 examinations
- Sports and other accomplishments - an aggregate of the above.

Lateral Entry

Candidates with a three year Diploma would be admitted to the Second Year of the B.Tech programme; provided he/ she demonstrates sufficient levels of knowledge and understanding of the first year B.Tech course requirement.

Engineering - Master's programs

At the Post Graduate level, students are exposed to in- depth knowledge in a particular domain enabling them to reach mastery in the chosen field. This advanced learning helps in broadening the horizons of the thought process of the individual.

Candidates have to clear the Dayananda Sagar Admission Test (DSAT) or JEE or CET to seek admissions into some of the programmes.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Computer Science and Engineering with specialisation in Big Data or Internet of Things
- Computer Science and Information Technology with specialisation in Cloud Computing

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Embedded system with specialisation in Automotive Embedded Systems

MECHANICAL ENGINEERING

- Design Engineering

Duration: 2 Years

Eligibility: Bachelor's degree or its equivalent Indian or overseas education.

Admission requirements : Academic scores of BTech or equivalent examinations.

COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering believes in creating computer engineers to take the world forward. The faculty who possess a strong academic and research background ensure a knowledge driven environment

The Department of CSE has state-of-the-art laboratory setup to cater to the experiential learning of the under graduate and post graduate students.

The expected outcomes are:
a) To contribute to the growth of IT and related sectors
b) Inculcate entrepreneurial bent of mind
c) Be global collaborators, working in diverse teams

B.Tech

- **Computer Science & Engineering**
- **Computer Science & Engineering with specializations in:**
  i) AI & ML ii) Big Data / Data Science iii) Cyber Security

In the first and second years, the curriculum covers applied science and basic engineering, communication skills, social responsibility and foundation in Computer Science and Engineering with core subjects in hardware and software.

In the third year students diversify with choice based department electives. It leverages the student in Operating Systems, System Software, Application Software, Computer Networks and Graphics.

The final year curriculum helps to assimilate Java, .Net, Green Computing, Machine Learning, Cloud computing, PEARL, and put together live projects.

M.Tech

The M.Tech programme prepares students to become leaders in knowledge driven professions. Core courses give the advanced foundation, the Department electives give a wide scope to specialise in the areas of Embedded Systems, Big Data, Image Processing and Agile Technology. The internships are based on real time learning and professional experience. Seminars, mini projects and dissertation help students to reinforce their innovative and research capabilities.

Ph.D

The Ph.D programme offers ample opportunities for innovation and research. Through a rich assortment of collaborations, the department supports a wealth of research options. The centers of excellence in collaboration with industry provide a supportive environment for students and scholars to get enriched with hands on experience.

ELECTRONICS AND COMMUNICATION ENGINEERING

Electronics and Communication is a promising field in Engineering and Technology with wide avenues to explore, create and grow. The under graduate and post graduation programmes are designed to train students for careers in this constantly evolving discipline. The curriculum covers associated aspects of emerging areas of technology and applications to build and enhance intellectual capabilities.

B.Tech

The under graduate curriculum in Electronics and Communication Engineering unfolds the fundamental aspects emphasising basic principles of the field. Choice based departmental electives and institutional electives help the students enhance their knowledge in inter disciplinary areas. The curriculum stresses on experiential learning, laboratory work, projects and ethical practices.

After the first year curriculum covering applied science, basic engineering fields, the second year lays emphasis on foundation courses. In the third year the student selects from choice based department electives: Embedded Systems, Digital Electronics, Digital Communication, Optical Communication, Virtual Laboratories. In the final year, the student learns Satellite Communication, Communication Networks, Wireless Technologies, etc.

Seminars, mini-projects and projects in final year allows for integration of knowledge empowering students to make technical presentations and engage in product development.

M.Tech

The M.Tech programme prepares students to become leaders in a knowledge driven profession. Core subjects provide advanced foundation; the Department Electives give a wide scope to specialise in the areas of Embedded Systems, Image Processing, Multi Media, Micro electronics and Automotive Embedded Systems. The internships provide real time learning. Seminars, mini projects and dissertation help to enhance the innovative and research capabilities.

The ECE department has linkages with industry that actively engages in curriculum design and delivery and in making available working professionals coming as adjunct faculty. The faculty of the department has strong academic and research capabilities. The centres of excellence established in collaboration with industry provide hands on experience.

Ph.D

The Ph.D programme offers ample opportunities for innovation and research in emerging technologies. State-of-the-art laboratories cater to experiential learning to both under graduate and post graduate students.

MECHANICAL ENGINEERING

B.Tech

Mechanical Engineering has contributed enormously in the growth of industry and technology. The under graduate and post-graduation programmes are designed to train students in fundamentals of Mechanical Engineering and comprehend the adaptability, understanding the associated aspects of emerging areas of technology and applications.

The scope of the branch is a wide horizon covering System Design, Materials, Composites, CAD / CAM / CAE / CIM / CE / FMS / MEMS / Robotics / Nano Technology with wide range of applications contributing to great societal benefit. The Department of Mechanical Engineering has state-of-art facilities, computation, visualisation, experiment, technology resource centers setup with industry partners. It has faculty with rich experience and expertise. The adjunct faculty from industry associate with the department students and faculty assuring smooth knowledge delivery on real time basis.

Curriculum for B.Tech covers the fundamental aspects of the field. It emphasizes basic principles; choice based department electives and institutional electives in inter disciplinary areas. The emphasis is on educating students in the use of these principles to reach optimal solutions to engineering problems. The curriculum stresses on experiential learning, laboratory work, projects and ethical practices.

First year curriculum covers applied sciences, basic engineering fields and also include strong exposure to communication skills and social responsibility. Second year lays the foundation of Mechanical Engineering core subjects that include: Kinematics of Machines, Mechanics of Solids and Fluids, Fluid Machinery, Manufacturing Technology and Machine Design. The third year program leverages the student to diversify with choice based department electives. It leverages the student in Design, Heat Transfer, Dynamics and Analysis. The final year helps to assimilate Control and Optimisation aspects. Seminars, mini projects, enable integration of students knowledge to make technical presentations and product realisation.

M.Tech

The post graduation programme in Mechanical Engineering focuses on advanced learning with emphasis on synthesis, design and optimisation. The core subjects lay the foundation and department and institutional electives provide an opportunity to the student to diversify such as: Design Engineering, Thermal Engineering, Manufacturing and Inter Disciplinary areas. Internship will provide real time learning and dissertation helps to reinforce innovative and research capabilities.

Ph. D

Research in the Department leading to Ph.D programme is concentrated in thrust areas. The department offers its faculty several facilities for initiating and sustaining research activities. Faculty closely interact with industry to understand and be informed on the latest trends in research and development as well as to enable training of the students and development of curriculum to be in accordance with global trends.

COMPUTER SCIENCE AND TECHNOLOGY (Entrepreneurship)

Responding to a crucial requirement of the present times, DSU is offering an exclusive programme, a one-of-its kind, leading to BTech in Computer Science and Technology giving an option to students with innovative ideas to pick a very unusual combination:

Coming in as a student to participate in an academic program while also being trained to become an entrepreneur.

At the end of the 4 year program, a student can go out with a B.Tech in Computer Science and Technology and also own a company. A similar program is designed for working professionals and fresh under graduates to start an enterprise at the DSU Start-up Village and also join an M.Tech program.

This enterprise-academic plan would be backed by working professionals, experienced entrepreneurs and veterans drawn from industry who spend time as Visiting Professors and also

acting as Mentors to entrepreneurs in the making. The program has received strong support from industry demonstrated in setting up the Innovation Labs at DSU. Close to a dozen MNC's that include: Autodesk, IBM, Bosch Rexroth, VMware, Boston, Dassault Systemes, Bosch ETAS, NVIDIA, Analog Devices and GE Healthcare among others.

B.Tech

In the first year, the programme covers Basic Courses common to engineering. In the second year, foundation courses related to the project chosen by the student in ICT, Mechanical or Electronics domains, respectively are covered. In the third year the student gets into advanced levels of the courses covered in the previous year.

To strengthen their role as entrepreneurs, they also undergo courses in Management Strategy, Corporate Finance and Accounting, Economics, Marketing, Operations Research, HR, International Business. Besides they are trained in special skills like Writing Business Plans, Making an Elevator Pitch, Language Competencies, Communication and Presentation Skills, Technical Writing, Project Execution and Milestone Reports.

In the final year, focused courses as in a defined project and as advised by the Mentor and Project Director; Application, Prototype and Testing are undertaken. They also learn to study Markets, Networking, Reach-out, Planning for manufacture, Design, Packaging, Distribution, Logistics to make them ready for entrepreneurship.

The Startup Village at the DSU Innovation Campus

A good part of the 4 lakh sqft space in DSU's Campus 3- located on Hosur Road, a 12 minute drive from Silk Board Junction down town Bengaluru, has provision to accommodate about 200 enterprises offering all the needed support and facilities for an idea to be translated into a product. This one of its kind initiative aims to become a prototype to be replicated nationally. The eco system for ideas to get transformed into business propositions fully supported by the innovation labs, is now ready.

Walk-in with your idea and move out owning a company in one hand and a B. Tech degree in the other.

A young individual now has the option to enter the portals of DSU to be trained as a professional Engineer in a select domain or opt to become an Engineer-Entrepreneur.

AEROSPACE ENGINEERING

B.Tech

The ability to fly off the ground is one of the biggest achievements of mankind; making it possible is Aerospace Engineering.

Students interested in learning about missiles, satellites and aircrafts are welcome here.

An Aerospace Engineer designs, tests, constructs and maintains aircrafts and spacecrafts. Aerospace Engineering is divided into two branches - Aeronautical Engineering specializes in aircrafts, missiles, helicopters; basically everything that flies within the limits of the Earth's atmosphere while Astronautical Engineering includes satellites, rockets, space stations, space shuttles and spacecrafts that fly beyond the Earth's atmosphere. One of the most challenging areas of engineering, Aerospace Engineering deals with the development of new technology in the field of aviation, space and defence systems.

Aerospace Engineering has great potential in terms of new aerodynamic designs, research and inventions. Increasing popularity and convenience of air travel provides more space for growth in the air traveling sector.

Defence and Government requirements always look to stay one step ahead and augment their technology. Space exploration is a burgeoning industry and will continue to require the expertise of Aerospace Engineers to design and maintain improvements.
Several global defence firms have signed up with local Indian companies at the Aero India show events to expand, manufacture locally and encourage the Prime Minister's "Make in India" initiative.

COMPUTER APPLICATION

BCA

Bengaluru known as the Silicon Valley of India employs hundreds of thousands of IT professionals catering to the large global requirements in the software industry.

This mammoth industry has been supported by engineering schools spread all over the State and other parts of the country. One core need of the IT sector is met by many schools that have been training young people to work on the hardware.

With processes becoming repetitive, students with Computer Applications background are now exposed to work in companies that were previously the preserve of Engineers. It needed a little more effort in designing and developing a new syllabus for the BCA program to make these graduates become more competitive; leading to a very comprehensive training.

DSU has responded well to this need and produced a very dynamic curriculum that places great advantage on students graduating with BCA qualification and equipping them with multiple skills making them employable in the IT sector.

Bachelor of Computer Application

This program aims at providing students key knowledge in the area of computer science and predominantly on the application of the theoretical knowledge acquired during the learning process. Ever growing businesses around the globe have thrown newer challenges requiring advanced technologies to meet the industry's growing demands. Software companies take advantage of these challenges by acquiring professionals who are well conversant and can solve complex problems with the help of latest technologies. The program empowers students with latest technological advancements in the field of IT. A BCA graduate could aim to work as / in :

- Software Developer
- Mobile App Developer
- Data Scientist
- Big Data Analyst
- Software Testing Specialist
- Web Designer
- Game Programmer
- Database Administrator
- Network Specialist
- Network Security Expert
- Animation Expert
- Big Data Analytics
- Mobile App Development
- Information Science
- Web-App Development
- Multi Media Animation & Gaming

Duration: 3 years (6 Semesters)

Eligibility: Any student who has passed PUC under Karnataka PU Board or Plus 2 under CBSE / ICSE / other boards in ANY discipline.

COMMERCE & MANAGEMENT STUDIES

BBA / B.Com / MBA / Ph.D

Industry and academics have converged to produce a comprehensive and dynamic curriculum and courses to train the best managers ready to take up employment in the corporate sector or NGOs or in the Government or turn them into entrepreneurs. The preparation is good to take charge of family businesses as well.

The School provides a rich learning environment comprising of a portfolio of pedagogical tools that include classroom interaction, case-study discussions, role-plays, group discussions, film-shows, games, field projects and seminars by industry experts and eminent academicians. The emphasis is on experiential learning. The learning environment, curriculum and ambience are conducive for the all-round growth of students catering to diverse requirements. Top class faculty with a good mix of industry professionals and professors from premier B Schools in India and overseas and a well defined admission process ensure DSU's B School is well prepared to produce a talented pool of people and thus qualifies to be included among India's best B Schools.

BBA

BBA with general business administration studies in the first two years and specialisation on HR, Finance or Marketing in the third year.

BBA (BFSI) - with three years of specialised coaching and exposure on Banking, Financial Services and Insurance.

Duration : 3 Years (6 Semesters)

Eligibility: 50 % marks in Plus 2 or its equivalent Indian or overseas education. Foreign Nationals / NRIs: A pass in the Higher Secondary examinations and personal interview and proficiency in English are minimum requirements. Applicants with lower skills in English are required to attend the Foundation Course in English at the DSU's Language Centre.

B.Com

B. Com with ACCA integrated/ B. Com with CMA integrated / B. Com with CA foundation coaching.

Duration: 3 Years (6 Semesters)

Eligibility: Plus 2 or its equivalent Indian or overseas education. Foreign Nationals / NRIs: A pass in the Higher Secondary examinations and proficiency in English are minimum requirements. Applicants with lower skills in English are required to attend the Foundation Course in English at the DSU's Language Centre.

MBA

The programme provides foundations of management education and later builds on the functional areas with a four week internship and dissertation with an in-depth study of an organization at the end of the third semester.

The changes in the business environment have thrown open a world of opportunities and challenges for Management graduates. Multi-disciplinary task forces, effective HRD systems, Mastery in International Businesses and strong management information systems have become the need of the hour for any firm to sustain itself in a business. Family run businesses too look forward for well-qualified Management Postgraduates to ensure growth and sustenance.

Duration : 2 Years (4 Semesters)

Specialisations: Finance / Human Resource / Marketing / Systems / Supply Chain / Entrepreneurship Management.

Eligibility: Bachelor's degree or its equivalent with 50% Indian or overseas education.

Admission Process - Indian Nationals: The University has adopted a two stage process for admitting candidates to the MBA Programme. Valid DSAT / CMAT / CAT / XAT / GMAT Test scores are mandatory pre-requisites to qualify for the admission process consisting of Group Discussion / Interviews. Based on the marks scored in the entrance tests, candidate will be short listed to attend Group Discussion and Personal Interview at DSU. Final Selection will be based on the marks secured in the Test, Group Discussion & Personal Interview. Candidates with work experience of 1-2 years would find preference.

Entrance Results

Applicants will be notified of their selection to the MBA program

The programme starts twice in a year after the candidate clears the university Ph.D entrance examination or on submitting a valid UGC / CSIR (JRF) / GATE / SLET / NET Examination score card / M.Phil Degree. The Ph.D programme inculcates world class faculty at the forefront of research.

Renewed emphasis on quality in the   Ph.D programme brings together eminent faculty research   and cutting edge research methods in an immersive environment.

Prof Jonathan David Yach, delivering a Master Class on Retail Analytics

Pedagogy is Case-Study Based with substantial student interaction

Sunil Bhumralkar, former Managing Partner, at E&Y, delivering a Master- Class on Finance

Executive Education

Centre for Executive Education

The Centre for Executive Education (CEE) offers programs for the working professional on a flexible platform. These programs are contemporary, well-crafted and are industry relevant. Programs are so designed to offer an executive a strong flavour of general management, followed by a specialization ending in an immersive capstone project that brings together learning experience. The pedagogy for the program is shaped around interactive lectures, hands on assignments and case study analyses.

The key differentiator in most cases, for organizations chasing competitive advantage is quality of their managers. Very little else differentiates organizations. The need and importance for executive development arises because of the certainty of this fact and that greatest efficiency is achieved in most cases, when organizations create an internal managerial pool. In such situations, what an organization is called upon to do is to develop

qualified and talented employees by developing skills and competencies, so that the future demand may be effectively catered to. The flag-ship program is the Executive MBA program which is a seventeen-month rigorous exploration of management theory, concept and practice. Courses are taught by professors of practice who have been educated in the best academic universities of the world which include, the IIT's, IIM's and MIT as well as the Indian military. Professors have held leadership positions in industry: ranging from banking to information technology and manufacturing.

Executive Education courses on offer are:
1. Executive MBA, with specializations in:

- Business Analytics
- Financial Management
- Global Business
- Human Resource Management
- Marketing Management
- Operations Management
- Project Management
- Entrepreneurship & Innovation
- Logistics & Supply Chain Management (Planned)
- IT Management (Planned)

2. Post Diploma Certificate in Management (PDCM), a one-year general management program for diploma holders
3. Management Development Programs (MDP)
4. Advanced Certificate Programs
5. Certificate Programs
6. Training Programs for industry
7. Workshops in niche areas of management, like Retail Analytics, Innovation, Design Thinking and Entrepreneurship

Pedagogy

The program has each course being taught both synchronously as well as asynchronously. This helps in getting the concepts clarified before actual classroom sessions begin or to conclude the classroom sessions with a wrap-up. The classroom discussions are an integral part of each course. The enriching lectures and discussion are a key to learning concepts. Cases from various sectors and geographies are discussed and debated to understand the applicability of management concepts to real life examples.

A major advantage of teaching with case studies is that the students are actively engaged in figuring out conceptual understanding by abstracting from examples.

This develops skills in:
• Problem solving
• Analytical tools, quantitative and/or qualitative, depending on the case
• Decision making in complex situations
• Coping with ambiguity

The program is flexible, adaptive and can be accessed at a student's very own convenience from choice of location anywhere in the world, making it unique and one of a kind. By using a combination of digital instruction and one-on-one face time, students can work on their own with new concepts. Reading's and course material are suggested by the faculty and the student is encouraged to invest time in perusing a wide plethora of management literature.

BASIC AND APPLIED SCIENCES

B.Sc / M.Sc / Ph.D

The School of Basic & Applied Sciences has been established in DSU with the objective of introducing new courses in Basic Sciences at undergraduate, postgraduate and research levels. The School is equipped to carry out both teaching and research through its various departments namely Chemistry, Biochemistry, Biotechnology, Microbiology and Genetics. The School also offers Ph.D programmes in the respective disciplines.

The School has developed syllabi of various courses that are being designed as core science and interdisciplinary topics that would serve as a launching pad for attractive career opportunities in academia and industry.

An excellent group of highly qualified, experienced and research-driven faculty provides the platform needed for the student to blossom into a well informed and intensively trained professional

to suit the needs of industry and scientific organizations. State-of-the-art laboratories and well equipped libraries cater to the needs of the students. Emphasis is laid on continuous evaluation of students.

The Faculty has been actively engaged in research and has availed research grants from Central as well as State Government funding agencies. Some of the ongoing funded projects include: Isolation and Characterization of Cryptic Peptides from Marine Waste, Molecular Characterization of Canine Papilloma Virus, Biofuels from Agricultural waste and Characterization of Anti-venom compounds from folk medicine. The School with all its facilities assures holistic development of the student community.

BACHELOR OF SCIENCE(BSc) IN LIFE SCIENCES

Triple major combinations are offered:
* Biotechnology, Biochemistry and Genetics
* Biotechnology, Microbiology and Chemistry
* Biochemistry, Microbiology and Genetics

Duration 3 Years (6 Semesters).

Eligibility: Pass in PUC / CBSE/ ICSE or equivalent examination with Biology as one of the compulsory subjects in the qualifying examination. Students who have not studied Chemistry with Biology in the qualifying examination are to undergo a short term remedial course of 2 months duration in Chemistry to qualify for admission to the UG programme. The course will be conducted two months before the commencement of regular academic programs.

Admission Process: Academic scores of Plus 2 examinations & weightage for sports and other accomplishments.

MASTER OF SCIENCE(BSc) IN LIFE SCIENCES

* M. Sc. in Biotechnology
* M. Sc. in Microbiology
* M. Sc. in Biochemistry

Duration: 2 Years (4 Semesters)

Eligibility for admission to M. Sc. Microbiology / Biotechnology:

1. B.Sc. Degree of any University with any Life Science subject securing 45% marks in aggregate of all optional subjects.
2. Students who have passed B. Sc. - Biotechnology / B. Sc. - Biotechnology (integrated) and scored 45% marks in the aggregate.
3. Students who have passed B. Sc. - Honours in Biotechnology, Microbiology, Botany, Zoology or Biology are also eligible with 45% marks in aggregate of all the optional subjects.
Graduates with 50% marks in aggregate from Agricultural Science, Dairy Sciences, Horticulture, Forestry, Fisheries, Pharmaceutical Sciences, Engineering (Biotechnology), Medicine / Dental, Clinical Lab Techniques and Agricultural Engineering are also eligible.

* **Eligibility for admission to M.Sc Biochemistry**

Candidate must have studied Chemistry or Biochemistry as one of the cognate subjects securing 45% marks at B. Sc. level or any of the following courses with 45% in aggregate:

a) Bachelor of Pharmaceutical Sciences
b) Bachelor in Agriculture
c) Bachelor in Nursing
d) Bachelor in Engineering (Biotechnology)
e) Bachelor in Veterinary Sciences

Admission Process:

Academic scores of Bachelor examinations & weightage for sports and other accomplishments. For SC/ST candidates, the eligibility criteria will be 40% for all the M.Sc courses.

Ph.D

A student can enroll for PhD programme after clearing the university PhD entrance examination or on submitting a valid UGC / CSIR (JRF) / GATE / SLET / NET Examination score card / M. Phil degree.

HEALTH SCIENCES - MEDICINE : MBBS

Dr. Chandramma Dayananda Sagar Institute of Medical Education and Research (CDSIMER) is a new medical institute in India. The College aims to be a Centre of Excellence for medical education and research.

CDSIMER is affiliated to Dayananda Sagar University, a private University, of international repute in the State of Karnataka . The Sagar Group with its strong foundation in creating Dayananda Sagar Institutions & the Dayananda Sagar University as great academic centres, has stepped up to establish an Institute of international standards in medical education and research, with an aim of building doctors with a strong, comprehensive foundation of medical knowledge for the young citizens and to transform their creative abilities to conquer the world in the field of healthcare with ethics and empathy. The 125 acres smart campus of global standards will create an environment that enhances creativity, innovation and scholarly pursuits. It is located on the outskirts of Bangalore at Harohalli, Ramnagar district.

Dr. Chandramma Dayananda Sagar Institute of Medical Education & Research (CDSIMER) will comprise of a 1350 bed hospital, spread over a floor area of close to a million square feet along with super specialty services, commissioned in phases. The hospital will have state-of-the art equipments, 14 operation theatres, central diagnostic laboratory, Blood Bank with Apheresis facilities, speciality-wise out-patients clinics, Emergency and Trauma care along with other services. The entire hospital will be digitised and will function on paperless concept. The Hospital is primarily aimed at catering to rural population offering free care and will serve the needs of about 1.2 million population in the surrounding area in over 200 villages.

The students at the medical college will be given a challenging academic environment with well-equipped lecture theatres, smart class rooms, laboratories, museums, digital libraries, skill and simulation labs and computer networking facilities. Besides academics, they will also have exceptional sports and hostel facilities, extracurricular and cultural activities in a vibrant campus.

A total of 150 candidates will be selected in the year 2020 through centralised selection process for admission to the MBBS course. The students will be benefitted with futuristic curriculum, engaging preceptorship, vibrant campus life, great career, platform to fuel research and innovation.

Duration :

The duration of MBBS course is 4 ½ years followed by compulsory rotating internship training of one year. The course commences on 01 August 2020 (subject to change as per MCI instructions).

The curriculum is year wise with Pre, Para and Clinical subjects -as follows:

Year	Subjects
I	Anatomy, Physiology and Biochemistry
II	Pathology, Microbiology, Pharmacology and Forensic Medicine
III – Part I	Community Medicine, ENT and Ophthalmology
III – Part II	Paediatrics, General Medicine, General Surgery, Orthopaedics and OBG

The course will follow competency based training as per the curriculum laid down by MCI with periodic assessment and engaging and supportive pedagogy.

During internship the young graduates will get a hands-on training and experience in various aspects of treating the sick and needy.

After the course the qualified graduates will be registered and licensed to practice by the State Medical Council: Karnataka Medical Council.

Eligibility :

Students obtaining 50% of marks in (Physics, Chemistry, Biology & English) and 40% of marks in case of students belonging to reserved category in 10+ 2 / PUC / equivalent examination and over 17 years of age are eligible for Medical studies as per MCI norms .

Students also have to qualify in the NEET UG –2020 examination conducted by Central Board of Secondary Education (CBSE).

Hostel Facility:

The College has separate hostels for men and women, located in the college campus.

HEALTH SCIENCES - PHARMACEUTICAL SCIENCES

Pharmacy as a subject of study and practice leads to an exciting profession within the domain of medicine, opening up opportunities to work with doctors, nurses and patients, drug developers, scientists and researchers.

Pharmacists have found greater acceptance as key knowledge providers to medical practitioners; on a real-time dynamic basis. Doctors, thus, spend time on a regular basis to stay abreast on the drug development scenario while also giving feedback on the various noticeable changes or reactions to specific drugs on

particular patients. This exchange of data, leads to the effective management of diseases thus ensuring better health care services to the society from a Pharmacist.

Pharmacists with strong technical knowledge and also spending considerable time on field, in sales and distribution, gain diverse experience of knowing the markets in the healthcare industry. Backed by this integrated knowledge a Pharmacist could soon rise to occupy key leadership positions in large drug manufacturing companies or in major drug distribution sectors.

Many Pharmacists have become great health care administrators in large hospitals, Government and other private sectors. Academics and research has a huge shortage of Pharma specialists across the world. The opportunities are vast, for future pharmacy professionals

Pharma education is special at DSU with students and faculty working closely with the schools of Medicine, Bio-sciences, Dentistry, Nursing, the Sagar Hospitals and several other Centres of Excellence in the health care domain. The labs in each of the departments are state-of-the-art providing great opportunity for interdependence, opitimising resources and sharing people expertise.

The School offers Doctoral Programmes (PhD) and Doctor of Pharmacy (Pharm D) as also the regular Bachelor and Masters courses in Pharmaceutical Sciences. Well laid-out classrooms, labs, a distinguished group of academicians and industry professionals make up for the faculty.

B.Pharm

Duration: 4 years
Eligibility Pass in PUC / CBSE / ICSE or 10+2 equivalent examination with minimum of 40% marks aggregate for GM candidates (35% for SC / ST, Category 1, 2A, 2B, 3A & 3B candidates) in PCM / PCB or PCMB, PC & Comp. Sc, PC & Electronics.
Or
A Diploma in Pharmacy Examination from an Institution approved by the Pharmacy Council of India.

Lateral Entry (2nd Year B.Pharm)

Duration: 3 years

Eligibility: A Diploma in Pharmacy Examination from an Institution approved by the Pharmacy Council of India.

Pharm.D

Duration: 6 years
Eligibility: Pass in PUC / CBSE / ICSE or 10+2 equivalent examination in PCM / PCB.
Or
A Diploma in Pharmacy Examination from an Institution approved by the Pharmacy Council of India.
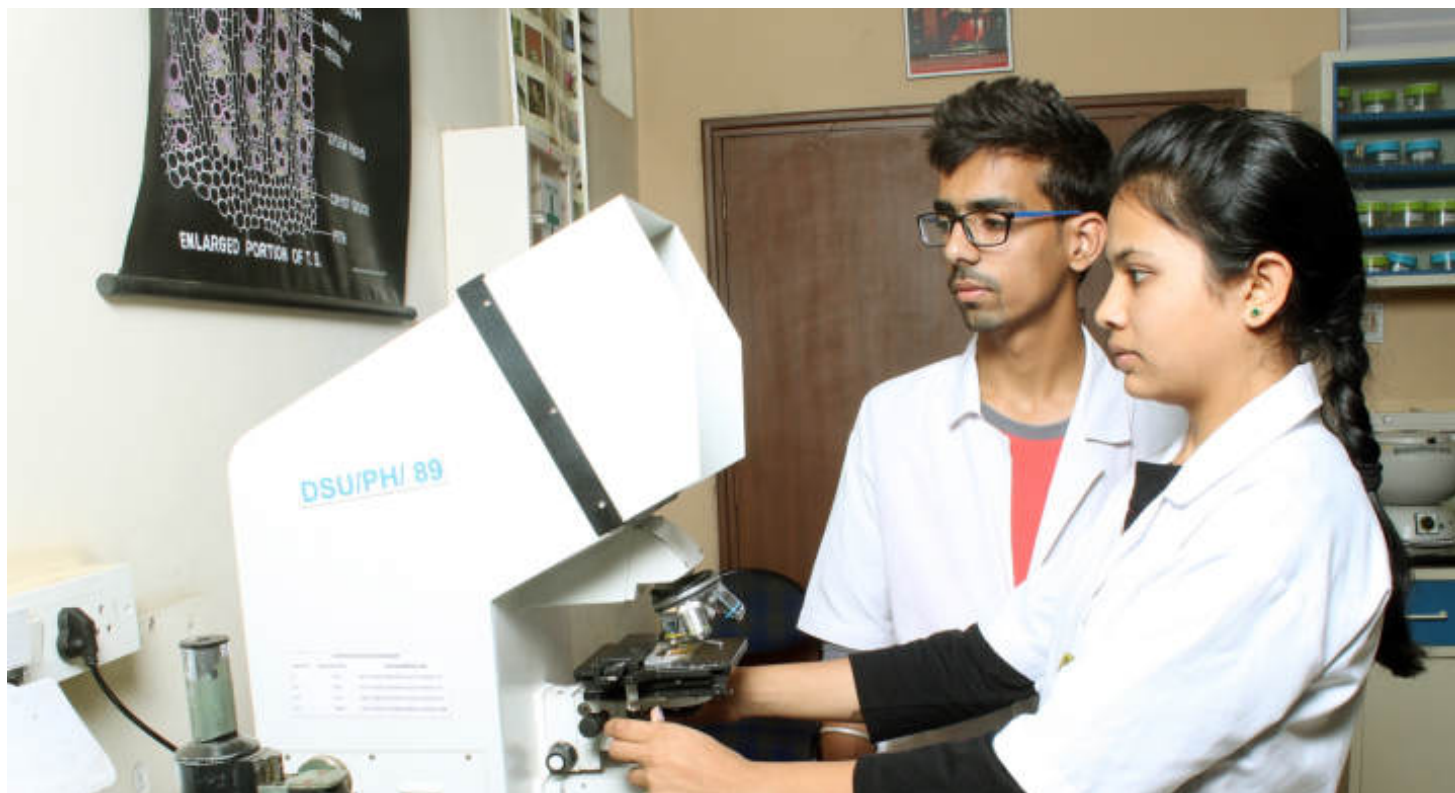
M.Pharm

Duration: 2 years

Specialties :

a. **Pharmaceutics**
b. **Pharmacology**

Eligibility: Pass in Bachelor's in Pharmacy (B.Pharm) with a minimum of 55% in aggregate from a recognized Indian University - as per Pharmacy Council of India regulations.

Admission Process : DSU Entrance Test Scores

Nursing- B.Sc / PB B.Sc / M.Sc

A hospital's success depends as much on the machines and doctors as it is on the quality of nursing care. Not surprisingly a Nurse is employed, forever. Nursing occupies priority in defense as much as in civil hospitals. Good salaries and career movement assures a long time growing demand for the nursing professional.

The newest option for a qualified Nurse is to enter practice. With hospital care on a steep rise, patients realise the need for hospice care from a practitioner. A practicing Nurse has a lucrative career as a consultant; giving considerable flexibility to manage larger number of patients especially with a growing population, greater longevity while also keeping an eye on her/his rising bank balance.

The School of Nursing Sciences is among the very few campuses to have an attached 415 bed super specialty hospital. It is also the only campus that allows students to be trained for professional skills as well as get exposed to the working of a specialty hospital which has doctors trained in the best of medical schools- who work on state-of-the-art technology for effective outcomes on complicated procedures.

The nursing students get to master one foreign language in addition to English and network with exchange students from Finland to Singapore!

The faculty and students regularly interact with visiting faculty from the US, Finnish Nursing schools and other premier institutions within the country and abroad by planning and hosting international conferences in Nursing.

The Nursing grads from DSU, naturally, are sought after by all the major hospitals in the country and outside.

B.Sc NURSING

Duration: 4 Years. (8 Semesters)

Requirement:
- The minimum age for admission should be 17 years on 31st December of the year in which admission is sought
- 10+2 class passed with Science (PCB) & English Core/English Elective with aggregate of 45% marks from recognized board under AISSCE / CBSE / ICSE / SSCE / HSCE or other equivalent Board
- Student should be medically fit
- Students appearing in 10+2 examination in Science conducted by National Institute of Open School with 45% marks

PB B.Sc NURSING

Duration: 2 Years (4 Semesters)

Requirement:
- Passed the Higher Secondary or Senior Secondary or Intermediate or 10+2 or an equivalent examination recognized by the university for this purpose. Those who have done 10+1 in or before 1986, will be eligible for admission
- Obtained a certificate in General Nursing and Midwifery and registered as R.N.R.M. with the State Nurses Registration Council
- Candidates should be medically fit

M.Sc NURSING

Duration: 2 Years (4 Semesters)

Specialties :
- Medical Surgical Nursing

- Community Health Nursing
- Obstetrics & Gynecological Nursing
- Pediatric Nursing
- Psychiatric Nursing

Requirement:

- The candidate should be a Registered Nurse and Registered midwife equivalent with any State Nursing Registration Council
- The minimum education requirements shall be on the

- successful completion of: B.Sc Nursing/B.Sc Hons. Nursing/Post Basic B.Sc Nursing with minimum of 55% aggregate marks
- The candidate should have undergone B.Sc Nursing / B.Sc Hons. Nursing / Post Basic B.Sc Nursing in an institution which is recognized by Indian Nursing Council
- Minimum one year of work experience after Basic B.Sc Nursing
- Minimum one year of work experience prior to or after Post Basic B.Sc Nursing

HEALTH SCIENCES - PHYSIOTHERAPY

Physiotherapy - BPT / MPT

As a profession Allied Health has received less attention than it should have, considering that 6 out of 10 specialists who can minimise pain in a patient are from this domain. The general impression when people have major health issues is that they are to look up to doctors and nurses. But helping an entire health care system very substantively are the experts from the Allied Health field.

The services of a Physiotherapist with specialisation in sports are probably one of the most visible especially when a star sportsman falls or develops cramps or suffers an injury on the field. The sportsman is quickly attended generally by the Physiotherapist and action on the sports ground is resumed. Similar responses are seen in Cardiac treatment emergency rooms and several other areas.

The campus hospitals and the other healthcare programmes along with life sciences and many related fields of study make for a good integrated outcome even in a developing field that is relatively new in the overall health care sector.

Good faculty, labs, great support infrastructure, clinical facilities, modern classrooms and easy access to the facilities and expertise at the campus hospitals make the School of Health Sciences a great choice.

BPT

Duration: 4 Years and 6 months (including six months of compulsory rotating internship).

Requirement : Plus Two with Physics, Chemistry and Biology with a minimum of 40% marks in PCB with English as a subject. Candidates with 40% in PCB in 10+2 examinations conducted by National Institute of Open Schooling are also eligible. SC/ST Candidates with 35% in PCB are also eligible.

MPT

Duration: 2 Years (4 Semesters)
Requirement: BPT degree from a recognized university.
Admission Process: A pass in Bachelor's in Physiotherapy with 50% marks from a recognized university.
Specializations : Orthopedics, Neuro Sciences, Cardiopulmonary Sciences, Community Physiotherapy, Women's Health and Pediatrics

ARTS & HUMANITIES

ARTS & HUMANITIES

Experiencing arts make us greatly perceptive and opens our minds to liberal thinking. Arts are often said to 'sustain and preserve the heart and soul of our civilization'. On the one hand, they enable us to think critically and independently, read perceptively, write lucidly and precisely, and speak articulately. On the other hand, arts can take us into hitherto unimaginable worlds.

The purpose of the School of Arts and Humanities in Dayananda Sagar University is to introduce a discipline that causes engagement with ideas critically and independently, and equips students with the skills necessary to understand - and thus work in creative environments.

JOURNALISM & MASS COMMUNICATION

The College of Journalism and Mass Communication has been established to groom and nurture fresh talent in the field of mass media and digital media in order to take up challenging careers in the communication sector, and also to enable them to pursue higher realms of knowledge and entrepreneurship.

It firmly believes in a blend of theoretical and in-depth practical knowledge required to meet the challenges of information clutter in an over-communicated world.

The mission is therefore to shape the next generation professionals with the required communication skills - analytical, technical and aesthetic - in order to use them with a deep sense of responsibility.

BA (Hons) Journalism

Programme Objectives:

Students:
- Are academically prepared to become skilled and theoretically strong professionals
- Will be on par with national standards
- Will have professional attitudes and skills to perform as productive media professionals
- Will excel in using new media options

The programme covers

- Training to write, record, report, shoot and edit for all media: print, electronic and online
- Communication theory and research
- Advertising and public relations
- Mandatory internship
- Foundational courses in arts, humanities and social sciences

Career Opportunities: Newspaper & Magazine Journalism, Film making, Television News & Programme Production, Radio Programme Production, Advertising & Public Relations, Online Media, Photography, Media Organizational Management, Research & Academics

Course Duration   3 Years (6 semesters)
Eligibility   Plus 2 or its Indian or overseas equivalent
Admission Process: Plus 2 academic score & weightage for sports and other accomplishments

ADMISSIONS

Admissions to the following programs are through DSAT - Dayananda Sagar Admission Test

Engineering: B.Tech - Computer Science & Engineering / Computer Science & Engineering with specializations in (AI & ML / Big Data / Data Science / Cyber Security) Electronics & Communication Engineering / Mechanical Engineering / Computer Science & Technology / Aerospace Engineering

M.Tech - Computer Science & Engineering (Internet of Things / Big Data) / Computer Science & Information Technology (Cloud Computing) / Electronics & Communication Engineering (Embedded Systems)/ Mechanical Engineering (Design Engineering)

Commerce & Management: MBA (Finance / Human Resource / Supply Chain / Marketing / Entrepreneurship / IT)

Pharmacy: B.Pharm / M.Pharm (Pharmaceutics / Pharmacology)

Provisional Admissions now open :

Biological Science : B.Sc - Biotechnology, Biochemistry & Genetics / B.Sc - Biotechnology, Chemistry & Microbiology / B.Sc - Genetics, Biochemistry & Microbiology , M.Sc - Biotechnology / M.Sc - Biochemistry / M.Sc - Microbiology

Physiotherapy : BPT/ MPT

Computer Applications: BCA

B Voc: Tool Engineering / Mechatronics / IT (DATA Analytics)

Commerce & Management: BBA / BBA (BFSI), B.Com (ACCA) / B.Com (CMA) / B.Com (CA Foundation) , Executive MBA / PDCM

Nursing: B.Sc – Nursing / PB B.Sc Nursing / M.Sc Nursing

Journalism & Mass Communication : BA (Honours) Journalism

Pharmacy: Pharm.D

Medicine: MBBS Admission through NEET UG examination conducted by Central Board of Secondary Education (CBSE).

Dayananda Sagar University Bengaluru

Campus 1 - Schools of Commerce & Management/Pharmacy/
Physiotherapy/Nursing/Biological Sciences/Journalism:
Dayananda Sagar University:
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Kumaraswamy Layout, Bengaluru-560078 /
Ph:+91 8884407479 / 8884399669/7348981818 | 080 46461800
www.dsu.edu.in   I admissions@dsu.edu.in

Campus 3 - School of Engineering / Computer Application
Dayananda Sagar University:
Kudlu Gate, Hosur Main Road
Bengaluru-560068
Ph: +91 80 490 92 924
www.dsu.edu.in   I admissions@dsu.edu.in

Campus 4 - School of Medicine
**Dr. Chandramma Dayananda Sagar Institute of Medical
Education and Research (CDSIMER)**
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