

Quantum
UNIVERSITY
ROORKEE, INDIA



The Future is
exciting



VISION

To be a seat of learning where a student gains academic and professional excellence, stays connected with the inner self, imbibes respect for human values, and becomes a world citizen.

MISSION

To be a forward-looking, ever-evolving University of merit that shall continually strive to promote all-round excellence among all its stake holders to create a rich, eternal legacy of trust.

To imbibe values and ethics of global relevance such as gender and race equity, inclusive growth and also sustainable 'protection' and 'care' of the environment.

To ensure a high core competence in students in their respective domains that cater to the changes in technology and dynamics of industry demand. The students should be adaptable to change and be life-long learners.

To provide opportunities to students to nurture their skills in additional areas of knowledge, relevant to their times, through interdisciplinary pedagogy and robust Industry interface.

To ensure wellness and wellbeing of its students through a range of value addition programs and freedom to pursue one's passion in areas of interest, including sports, music, dance, theatre, community service, and many more.

To be a stronghold of liberated students who believe in the rich cultural heritage of their country, but have a truly global orientation.

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New Age Programs

SCHOOL OF TECHNOLOGY

Department of Computer Science & Engineering

MTech Two Years Program

Computer Science & Engineering

BTech Four Years Program

Computer Science & Engineering

- Specialization in Cyber Security in collaboration with Quick Heal

- Specialisation in AI-ML

Department of Civil Engineering

MTech Structural Engineering Two Years Program

BTech Civil Engineering Four Years Program

Department of Mechanical Engineering

MTech Thermal Engineering

BTech Mechanical Engineering

Department of Computer Applications

BCA Three Years Program

MCA Two Years Program

B.VOC Three Years Program

SCHOOL OF GRADUATE STUDIES

Department of Commerce & Finance

B Com Three Years Program

Specializations

Banking & Insurance

Department of Sciences

BSc (Hons) Three Years Program

Specializations

Physics / Chemistry / Maths

Department of Humanities & Social Sciences

BA (Hons) Three Years Program

Specializations

English / Economics / Psychology

SCHOOL OF BUSINESS

Department of Business Administration

MBA Two Years Program

Specialization in

Finance, Marketing, IB, HRM, Supply Chain & Operations Management, e-Commerce

BBA Three Years Program

Specialization in

Finance, Marketing, HR, Import & Export Management, Digital Marketing, Retail, Tourism, Hospital Management

SCHOOL OF AGRICULTURAL STUDIES

Department of Agricultural Studies

B Sc (Hons) - Agriculture Four Years Program

SCHOOL OF MEDIA STUDIES & DESIGN

Department of Media Studies

BA (Hons) - Journalism & Mass Comm Three Years Program

B Sc - Animation & VFX Three Years Program

SCHOOL OF HEALTH SCIENCES

Department of Pharmacy

D Pharma Two Years Program

B Pharma Four Years Program

Department of Applied Sciences

BSc - Nutrition & Dietetics Three Years Program

MSc - Nutrition & Dietetics Two Years Program

Department of Paramedical Sciences

BMRIT Three Years Program

BMLT Three Years Program

SCHOOL OF HOSPITALITY & TOURISM

Department of Hospitality & Tourism

BHM - Bachelor of Hotel Management Four Years Program

SCHOOL OF LAW

Department of Law

BA LLB (Integrated)

BBA LLB (Integrated)

5 Years Integrated Program

***The Inter-disciplinary Learning Experience:
Attain Better Professional Avenues***



Quantum understands that life demands different skills for different roles. It shall be a University that understands your needs, promotes inter-disciplinary study and prepares you for life.

Before you choose your University, ask yourself a couple of 'New Age' questions. Can I study Technology with Music, Agriculture with Cyber Security or Computer Science with Economics? Will my university allow me such inter-disciplinary immersion that will equip me to handle a range of skills and roles in my professional and personal life?

Interdisciplinary Education

Today's needs are inherently inter-disciplinary and require intense multitasking as the graduates will not be entering a career that lasts a lifetime but a lifetime of multiple careers. 'Inter-disciplinary Education' addresses these difficulties quite well. It relies on vibrant modes of instruction. It has proven effective in developing critical skills helpful in problem solving. It helps students to cope with the ever changing facade of pluralistic, and technology driven information society.



**Technology with
Music**



**Computer Science with
Economics**

**Agriculture with
Cyber Security**



**Hospitality with
Entrepreneurship**



***Shape a Great Future.
Go for Outcome Based Learning.***



The best brains from academia and industry collaborate at Quantum to curate highly contemporary, functional and dynamic curricula across all its programs.

Across all its programs, the curriculum at Quantum aims to revolutionize the way higher education is delivered in India ensuring that the students are highly employable in their respective domains.

At Quantum University students earn a Major degree in their chosen subject of professional interest. Alongside, it encourages them to earn a Minor degree from a completely unrelated field and have great advantage of inter-disciplinary education. One can also super-specialize in the same field as the Major on attaining certain number of credits.

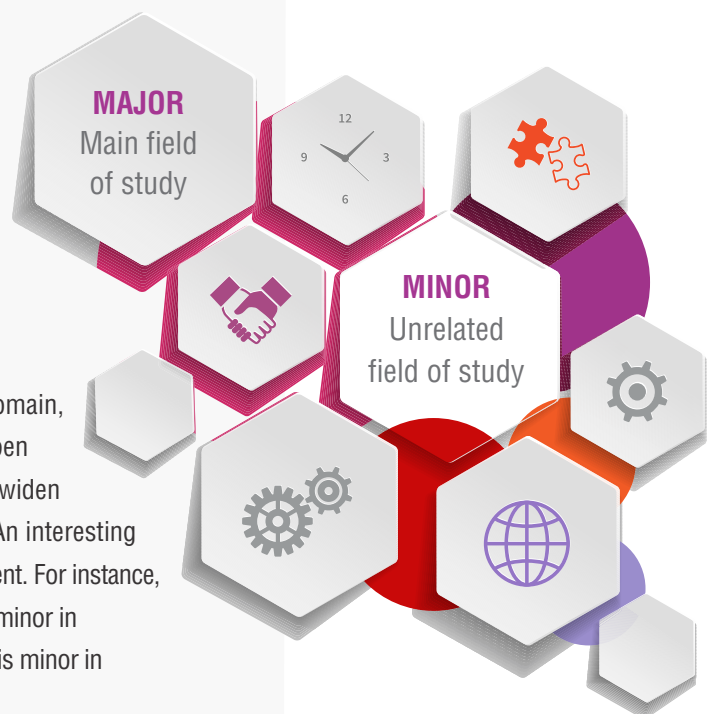
Future Ready Curricula

MAJOR A Major is the main field of study in which students earn a degree on completion of the course credits as stipulated by the University. The Major prepares the student to step into the corporate world or to pursue post-graduate studies.

MINOR Besides choosing a Minor from the related domain, students are also required to choose subjects from open electives which are inter-disciplinary in nature. These widen their knowledge base and hone their lateral thinking. An interesting Minor makes students stand out at the time of placement. For instance, a Computer Science Engineering student can pursue his minor in Entrepreneurship, or an Agriculture student can pursue his minor in Economics.

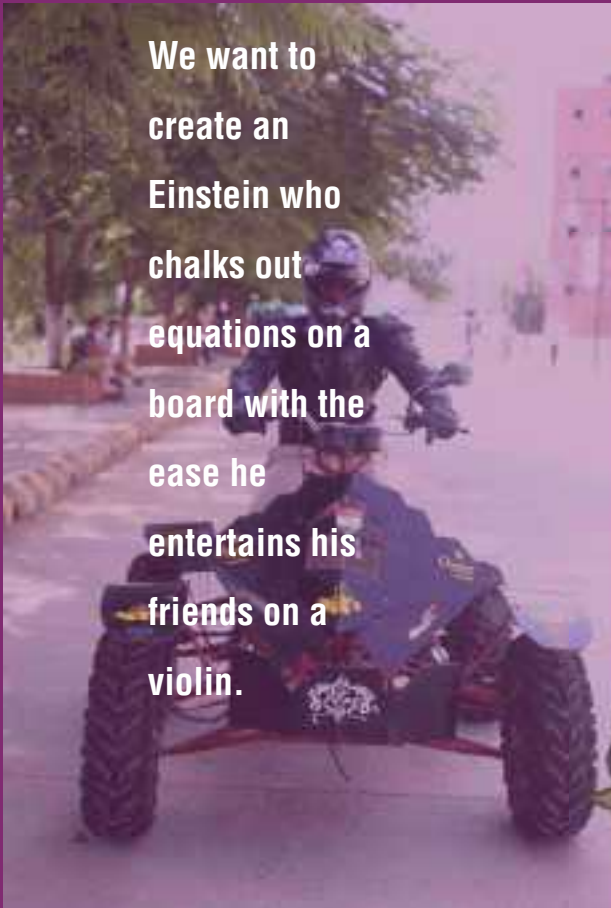
SOME OF THE AVAILABLE OPTIONS

Computer Science Programming, Robotics, Environmental Studies, Digital Marketing, Entrepreneurship, English, Foreign language, Economics, Agri Management, Media and Journalism, Culinary Skills.



***Passion & Profession.
Best of both the Worlds at Quantum.***

We want to
create an
Einstein who
chalks out
equations on a
board with the
ease he
entertains his
friends on a
violin.



Passion Programs (PROPS)



Quantum University shall conscientiously allow students to express and hone their aesthetic sensibilities in sports, theater, dance, music, photography, design, art, community service and more through a host of clubs and committees. We could possibly be the only private University in India which has programs titled 'Passion Programs' (PROPS), often pursued hesitantly, that add a third dimension to an individual. For Quantum, these are not just some bizarre combinations but components of a holistic and fulfilling education.

SOME OF THE AVAILABLE OPTIONS

Arts, Music, Sports, Theater, Photography, Placement Support Group, Community Service, Creative Writing, Debate, Literary Society & Technical Clubs.

*Passion is the axiom of Quantum philosophy.
Passion is no longer a taboo. It's a beacon.*



***Shape a Great Future.
Go for Outcome Based Learning.***



In order to facilitate greater efficiency and elevated placements in the respective domains, a due emphasis on project based learning and training in collaboration with the industry is an integral part of Quantum pedagogy.

Certified Trainings

Quantum University is committed to ensure that all its students have a strong core competence in their respective domains and are industry-ready at the time of passing out. To ensure this, Quantum imparts rigorous technical trainings under an array of industrial tie-ups and MOUs. These trainings are of great relevance to the industry as these are carried out by industry experts and are duly certified. Due emphasis is also laid on soft skills and personality development of the students from the very first year.

TRAININGS

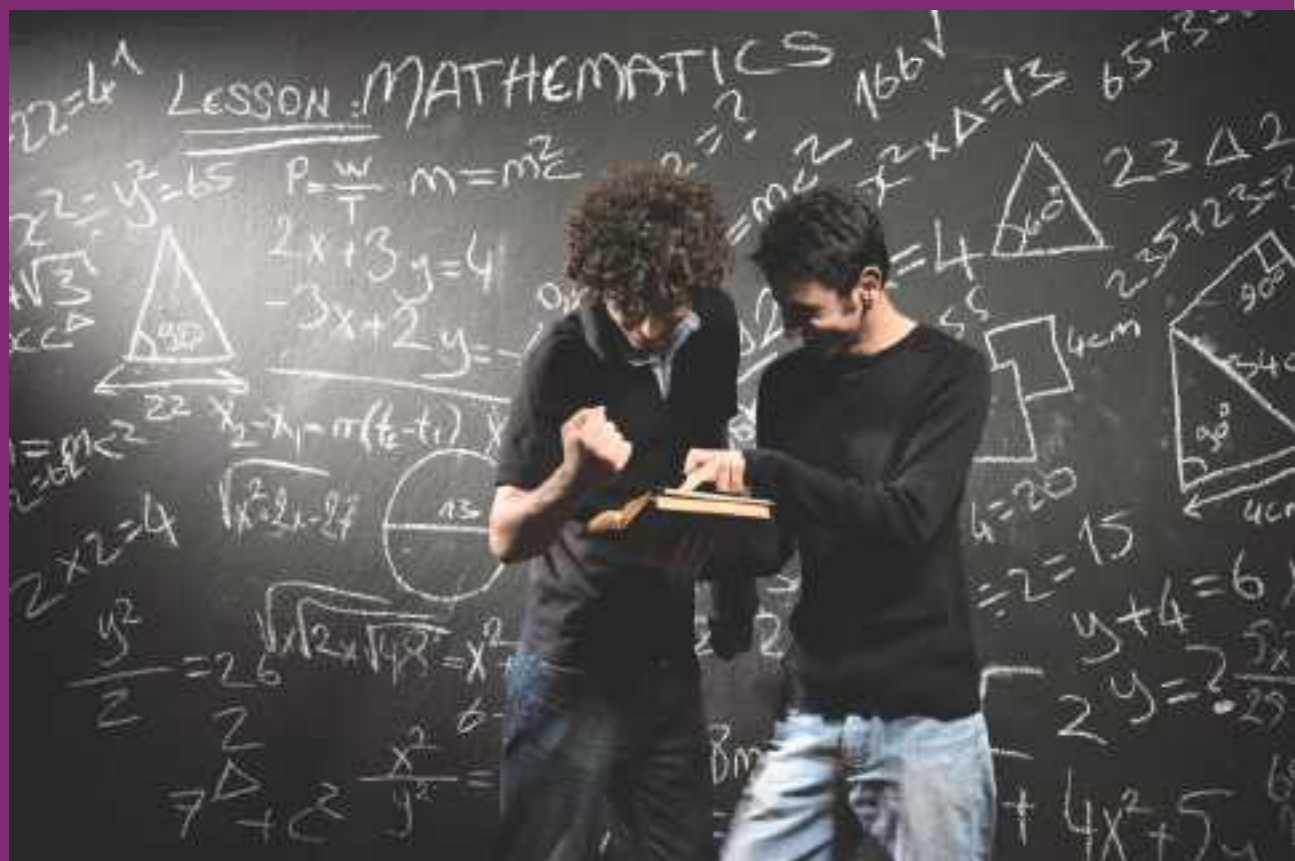
Oracle PL/SQL P SPICE Web Designing
 Pro E ANSYS AutoCAD jQuery CSS3 HTML PHP
 VHDL Embedded system PLC Scada MATLAB Robotics
 Linux Steel Design RCC Design J2EE .Net CCNA
 Panel Design CNC Solid Works Python SAP
 Logistics Retail NCFM Mushroom Cultivation
 Organic Farming Corporate Communication

Likewise, a host of value-added, certified corporate trainings await the MBA students through different specialisations over the semesters. These are often passports to good job markets. The schedule and nature of trainings keep evolving as per the industry requirements. Some of the recent trainings imparted to management students include...

- Certification in Transport & Logistics Management
- Certification in Primary Data Analysis through SPSS
- Certification in Business Analytics
- Certification in Industrial Relations & Labour Laws
- Certification in Retail Management
- Certification in Compensation Management
- Certification in National Stock Exchange Modules

Succeed Like No Other.

Quantum University has by now built an enviable culture of ushering in wonderful placement opportunities for Q-Mates every time. A sharp eye on outcome based learning and a strong industry interface has led to some of the record placements in the state year after year.



Record Placements

A dedicated department, called the Department of External Programs (DEEPRO), carries out its most vital function of placement under a comprehensive, continual program called i-deserve. It comprises of faculty and student body that works exclusively towards the logistics of placements, i.e., constant liaison with the industry, facilitating HR Managers visiting the campus, taking students for pool campuses at other colleges and constantly arranging job fests at Quantum. It has a very strong placement record with over a hundred companies visiting the campus each year offering some of the record packages in the state. Quantum University is committed to reaching new heights in the future.





Welcome to Roorkee

Bestowed with an enviable academic infrastructure and a rich vintage, Roorkee has been a natural choice and a reason enough by itself to pursue higher professional studies here.

Roorkee has the glorious distinction of being the fountainhead of engineering education in India. It was primarily to assist in civil engineering works of the Upper Ganga Canal, that a Civil Engineering School was started in 1845 by Mr Cautley, a British officer in charge of the project. This went on to become the first engineering college of India, established formally in November 1847, and came to be known as the Thomason College of Civil Engineering. Ever since, it continues to be the citadel of engineering education in India. Its genius continued to flower as University of Roorkee, since 1949, and having diversified and developed many times over, it was accorded the status of highly acclaimed IIT Roorkee in 2001.

Advantage Roorkee

Roorkee is easily one of the most strategically located cities in the picturesque state of Uttarakhand. Close to the holy river Ganges and



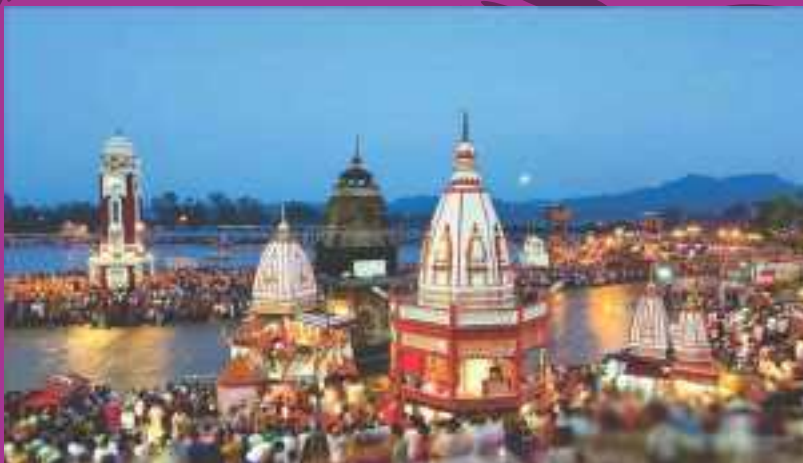


even closer to the world famous Rajaji National Park in the Shiwalik range, Roorkee enjoys close proximity to key states like Delhi, Uttar Pradesh, Haryana, Punjab & Himachal. Perched on the border of Uttarakhand & UP, it's merely a four hour drive from Delhi and enjoys easy access by road and railway. Other prominent cities in close proximity are Dehra Dun, Mussoorie, Haridwar, Rishikesh, Saharanpur, Yamuna Nagar & Meerut.

Roorkee is a quiet, scenic town located along the historic Ganga canal. For those seeking a little excitement, it is well provided with restaurants, coffee shops, street food joints and shopping centers. Roorkee offers a very safe and secure environment to students, as much for girls, in contrast to most metros and their satellite cities.

For budding engineers, managers and entrepreneurs, Roorkee has a very formidable industrial infrastructure around it. The SIDCUL at Haridwar and BIA are highly evolved and diversified industrial clusters with the presence of players like Tata, Bajaj, Jubilant, Wipro, Godrej, Unilever, among others. Presence of industries ranging from automobile & pharmaceutical to food processing, packaging, etc., and that of seasoned professionals such as general managers, plant & production heads, HR managers and marketing heads, makes this region a preferred destination for students from across the country.

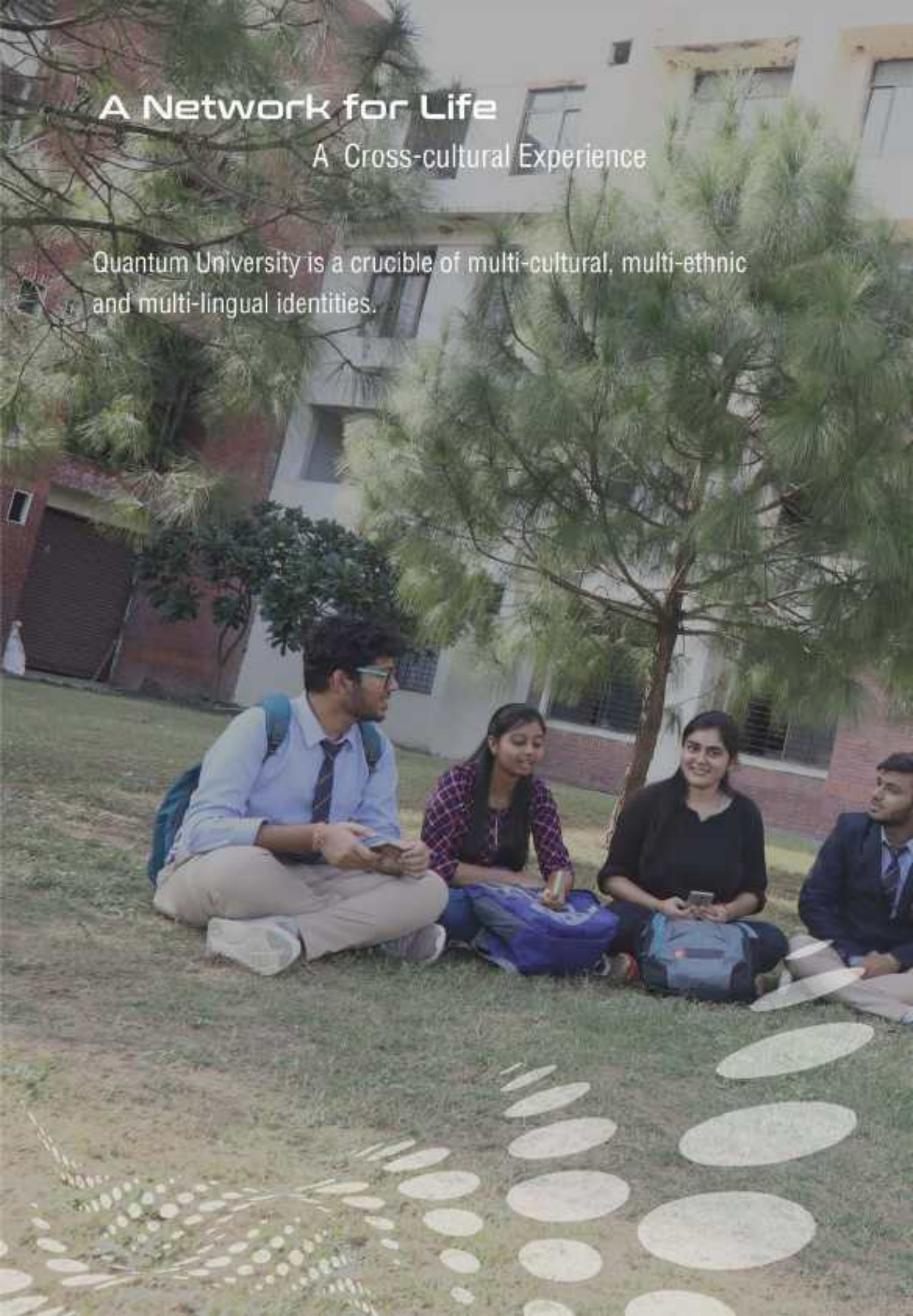
Promoted by an esteemed corporate house, Quantum University is particularly well integrated with the industry and provides constant opportunity for its students to get hands-on learning by way of industry visits, seminars, internships and also bringing corporate experts to the campus.



A Network for Life

A Cross-cultural Experience

Quantum University is a crucible of multi-cultural, multi-ethnic and multi-lingual identities.



As one of the fastest growing institutions of North India, Quantum has extended its appeal to areas far beyond its region. In fact, its goodwill has reached beyond the Indian boundaries and attracts students not only from across India but also from as far as Nepal & Bhutan. Quantum University is now a crucible of multi-cultural, multi-ethnic and multi-lingual identities.

You will get to build a strong network of friends that shall serve you well for life. When you graduate, you can keep in touch with your friends and benefit from your network far and wide. You also learn to appreciate subtle cultural differences and in the process become a truly global citizen.



The Department of External Programs at Quantum University is the most dynamic and energetic division, which plays vital role towards corporate relations, training & placement, overall academic development and many allied aspects. Among others, it is entrusted with the conceptualization and application of the Value Addition Program (VAP) in close coordination with other agencies at Quantum.

The Department handpicks some of the most versatile and energetic members, with the competence to operate in the field, from among the faculty and students. It is headed by the Chief Executive - Operations who comes with a lot of corporate and academic experience. The DEP functions through number of committees and clubs to be able to perform the wide range of activities that it engages in.

Department of External Programs (DEEPRO)

Trainings - Projects - Internships - Placements

Center of Innovation & Entrepreneurship (CIE)

Assimilates innovative ideas generated by students, at Quantum both from engineering and management departments and pursues their active implementation. It also promotes entrepreneurial talent in following ways...

- a. Entrepreneurship Workshops
- b. Entrepreneurship events in partnership with the industry
- c. Venture Funding.

Center of Research & Consulting (C-Rescon)

Quantum actively encourages research & consultancy both among faculty and students. The C-Rescon work closely with various departments and institutions that assign & fund research projects. Its core activity includes...

- a. Consulting Assignments
- b. Live Projects
- c. National Development Planning.

Corporate Resource Center (CRC)

This wing, under DEP at Quantum, works with the corporate for developing industry-academia relationship. From proposing for campus recruitment to corporate guest lectures or organizing management development program to signing of MOAs, all these activities are taken care and handled by the CRC team. Some major activities of CRC include...

- a. Training & Placements

- b. Guest Lectures & Workshops
- c. Management Development Programs
- d. Corporate Events & MOA.

The Training & Placement Cell of the CRC develops & facilitates opportunities for training & placement of students and is committed to host and organize all the activities to accomplish its mission.

Public Relations & Communication (PRC)

Finest resource personnel with excellent communication skills and an eye for high quality practices work relentlessly to promote the brand Quantum. It is upon every individual at Quantum to build up a name that each one of us is going to be proud of. This wing takes care of...

- a. Media Relations
- b. Branding & Communication.

International Relations Committee (IRC)

Constantly explores ways & means to impart international exposure to students at Quantum. It is on the threshold of entering into very strategic alliance with some global partners to promote...

- a. Student Exchange Program
- b. International Research & Scholar Exchange
- c. Curriculum & Content Exchange.



PAHAL - The Social Club

A social initiative by Q-mates that is doing commendable work in the nearby villages by way of creating awareness on issues related to health, sanitation, education etc. The enthusiasm of the students for this weekend activity is boundless and adds a third dimension to their learning.

Clubs & Committees



Q-ENCORE - The Music Club

Music enthusiasts have a great life at the campus - a vibrant music club awaits them! The Quantum Rock Band and individual performers rock the lives of Q-mates semester after semester.

The Sports Club

Quantum offers well developed sporting infrastructure to its students. The Sports Club is responsible for organising various tournaments as well as monitoring regular sporting activity. It also ensures regular participation of Q-mates at Inter-collegiate and Inter-state Sports Meets. Huge playgrounds offer the perfect setting for outdoor games like lawn tennis, badminton, basketball, cricket, football among others whilst the Recreation Centre offers indoor games like table tennis, billiards etc.



Other promising Clubs include...

1. The App Club
2. TechPro - The Software Club
3. SPARK - The ECE Club
4. ANSC - Agriculture & Natural Sciences Club
5. AGNI - Automobile based Club
6. Impulse - The Mechanical Engineering Club
7. CIVILINKS - The Civil Engineering Club



Events & Festivals

An all round development of students is a way of life at Quantum. Opportunities in music, sports, debates, tech-fests and much more await you in abundance at the campus. Not only will you realise your academic potential, you shall also have great fun through a host of festivals & events.



QUANTUM DHROHAR - The Annual Function

A great mix of cultural and academic activities ranging from music & dance to seminars & debates put up by Q-mates with great gusto.



EDGE (Engineers Do A Great Expo) - The Tech Fest

Designed to showcase the engineering genius of our students. It includes an array of projects designed by students from various engineering streams as well as very comprehensive technical seminars.



GLITZ - The Cultural Fest

A vibrant platform for students to showcase their talents in music, dance, dramatics and other performing arts. The cultural fest seeks to harness the creative energies of the youth.

UDAAN

Sports fest
POWER DRIVE GUTS

UDAAN - The Sports Fest

An annual two day inter-college sporting extravaganza displaying the very best in sporting talent and sportsmanship in the region.



OJAS

The Management Fest

OJAS - The Management Fest

An event, comprising of various management games and competitions, organized by the management students. OJAS showcases the ability of budding managers to team, compete & organize.





Shri Manoj Kumar
Gold Medalist (Boxing)
19th Common Wealth Games
New Delhi

Visitors at Quantum

Shri Madan Lal
Hero of 1983 World Cup Winning Indian Team



Shri Vishwanath Anand
confers the 'Best Private Engineering College
in North India for Academics' Award
on Quantum School of Technology in Mumbai

Dr R K Bhandari
at the National Conference
on 'Role of Civil Engineering in Nation Building'



Shri Anand Kumar
Founder of Super 30
Patna



Shri Trivendra Singh Rawat
Chief Minister, Uttarakhand
Chief Guest at the Opening Ceremony
of 'Dharohar 2018'



Shri Trivendra Singh Rawat
Chief Minister Uttarakhand
at the Opening of 'Dharohar 2018'



Shri Harish Rawat
the then Chief Minister, Uttarakhand
presenting the plaque to participants at
the Second Uttarakhand Technical Education Summit



Dr V K Jain
Former Vice Chancellor
Doon University, Uttarakhand



Dr Shiv Prasad Kosta
Former Director
Indian Space Research Organisation (ISRO)



Seminars / Workshops Conferences / Guest Lectures

Heat & Mass Transfer

Dr. Andrey V. Kazmin

Sr. Researcher, Institute of Engineering Thermophysics,
National Academy of Science, Ukraine

Machining to Micromachining: Conditions, Confusions & Concepts

Dr. Apurbra Kumar Sharma

Associate Professor, Department of Mechanical and
Industrial Engineering, IIT Roorkee

RC Aircraft

Mr. Dhanush Shashidar

Aeronautics Engineer, Skyfi Labs, Bangalore

QuadCopter

Mr. Rohit Khosla

Nermax Technologies, Chandigarh

Applying Data Mining Techniques to Social Media Data - A Case Study

Dr. Durga Toshniwal

Associate Professor, Department of Computer Science and
Engineering, IIT Roorkee

Applications of IOT in Health Care

Dr. Amit Agarwal

Senior Associate Professor & Head
Dept. of Virtualization
School of Computer Science & Engineering,
University of Petroleum & Energy Studies (UPES) Dehradun

Earthquake Early Warning System for Northern India

Prof. Ashok Kumar

Professor, Centre of Excellence in Disaster Mitigation &
Management, Department of Earthquake Engineering
IIT Roorkee

Software Vulnerabilities: Threats and Research Opportunities

Prof. Jitender Kumar Chhabra

Professor, Department of Computer Engineering
NIT Kurukshetra

Affordable Housing

Dr. Ashok Kumar

Principal Scientist and Head, Architecture & Planning and
Efficiency of Building, CSIR-CBRI

Emerging Trends in Design of Civil Engineering Structures

Dr. Amit Gupta

Senior Structure Design Consultant, Roorkee

Expectation of Industry from Freshers

Mr. Pramod Kumar Mishra

Head HR, Simplex Infrastructure Limited

Construction Management

Mr. Ahmed

Alumni IIT Kanpur

Motivational Lecture

Mr. Surinder Hall

Former General Manager, BHEL, Haridwar

Improve Employability - Bridge the Gap between Education System and Professional World

Mr. Ameet Sharma

Strategy & Transition Leader, HBT ISC, Honeywell India

Solar Energy and Its Applications

Mr. D. K. Sehgal

Senior Superintending Engineer, CSIR-CBRI, Roorkee



The dynamics of the educational scenario are constantly throwing up new challenges. New technologies, new management trends and new ideas at work are demolishing established notions and practices like never before. Quantum University is conscientious towards this ever evolving canvas and diligently plays its role in generation of new ideas and knowledge and constantly evolving means and mechanisms to transmit updated skills and knowledge to its students. Accordingly, conferences and seminars are a continuum at Quantum University.

Recently held National Conferences...

PRUDENCE National Conference on Demonetization - Issues and Perspectives

25th March, 2017

The conference was designed to strengthen the understanding of Demonetization-Issues and Perspectives towards its core objectives like eliminating fake currency, incapacitating black money, and also turning India into a transparent economy.

ETACT

National Conference on 'Emerging Trends' in Advanced Computing Techniques

23rd September, 2017

In the present era of globalization, the competitive products require key ingredients such as innovative features, rapid developments, continual upgrading and technological and research developments. To achieve this goal, Quantum School of Technology organized a National conference on Emerging Trends in Advanced Computing Techniques (ETACT-2017). The Conference focused on recent trends in computing and allied fields in Computer Science-Engineering Techniques. It helped to bring together leading Academicians, Industrialists and Research Scholars to present their research and developments in these fields.

3DPRINTING

National Conference and Symposium on 3D Printing & Allied Technologies

21st & 22nd April, 2017

3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. It has generated revolutionary trends in manufacturing sector, medicine, aerospace and automotive industry among others. The two-day Symposium helped in understanding the design, functioning and operation of 3D printers and discussed innovations in this revolutionary field.

Industries & Opportunities Around

With some of the most developed industrial hubs of Uttarakhand in the vicinity, Quantum University provides matchless opportunities to integrate with the industry.

Corporate leaders, plant heads, production managers, HR managers constantly share their experiences and expertise with you to leverage your skills and employability quotient. Industrial visits are a norm for both engineering as well as management programs.



The promoters are a very esteemed corporate house of Uttarakhand and understand the nitty-gritties of training, internships, projects & placements. They hold memberships and executive positions in premium industrial bodies like CII, ASSOCHAM, BIS, IAU and are strongly networked in the corporate. They constantly use it to bring advantage to the students at Quantum University.



Amidst all the Action

From large industries like Tata Motors and Mahindra & Mahindra to public sector giants like BHEL & ONGC, and also the highly diversified MSME sector, the Quantum region has it all. Highly developed sectors like automobile, pharmaceuticals, food processing & packaging, cement, glass, furniture, FMCG, electrical, electronics and many more serve as a fertile bed of technological, managerial and entrepreneurial skills.



MoU & Alliances

Strong Academia-Industry Interface

Quantum has signed MoUs with various associations and bodies in India and abroad and is still in the process of developing strategic alliances with industry and other corporate bodies. Quantum University has signed an MoU with Industries Association of Uttarakhand (IAU). Quantum is already a member of CII, AIMA and SIDCUL Manufacturer's Association besides being on the executive body of number of regional level associations.



Associations





Excellence Centers

Center for Advanced Robotic Control in Collaboration with APS GmbH - the European Centre for Mechtronics in Germany

Quantum University has always strived towards excellence. The establishment of the Advanced Robotic Control (ARC) Center at Quantum is a major milestone in this quest. The center is a state-of-the-art laboratory dedicated to learning, advancement and research in Robotics. It is a part of the effort to initiate young engineers into the challenging field of modern Robotics.

The unique feature of the Quantum ARC is that it has been setup in collaboration with the APS GmbH - the European Center for Mechtronics in Germany. The center aims to impart scholars, researchers and students the latest knowhow of Automation and Industrial Robotics. The lab is operated in exclusive supervision of experts from Germany. The ARC benefits from the technological and industrial expertise of the top-end manufacturers in German industry. These include some of the world leaders in the automotive industry such as Mercedes, Volkswagen and BMW.

To foray into Robotics one must first gain a hold over Mechatronics. Mechatronics is a modern branch of engineering where multiple domains of engineering converge - Mechanical, Electrical, Electronics, Computer Science and Information Technology. It must be realized that the Mechatronics systems need inputs "provided" to, whereas the Robotics systems automatically "acquire" inputs. Hence Robotics emerges as a specialized subset of Mechatronics.

The Centre would also run the BTech (Hons) Mechatronics Program at Quantum University. The Quantum ARC is thus an apt complement to the already established Mechatronics program. The ARC would allow students and scholars to visit the APS GmbH labs in Germany. A number of Quantum students and researchers have already benefitted from such visits. This would allow students to gain hands-on-work experience and see theoretical learning in action.



Intellectual Property Rights Cell

Keeping true to its tradition of innovation Quantum University has set up an Intellectual Property Rights' Cell. The inauguration of the Cell was marked by a workshop organized at Quantum campus. The workshop was presided over by Dr Shweta Singh who illuminated the mechanics of Intellectual Property before the audiences. Illustrating the concepts of intellectual property she stated, "Land registration is a proof of ownership of landed property. Similarly, the patent or copyright identifies researchers, inventors, authors or any scholar as the originator of a creative idea."

The workshop successfully highlighted the nuances of patents, copyrights and trademarks. Patents are awarded for technological ideas and are valid for 20 years in a defined geographical region. Copyrights are allotted for books, songs, cinematic works etc, in the domain of art and literature. Trademarks usually indicated with ® or with TM symbol are a corporate tool to safeguard their business interests. Other instruments also exist which protect specific domains of intellectual property rights. These include Design Protection, Trade Secret and Know-

How and Protection of Ideas and Concepts. All the listed provisions aim to incentivize creative work by ensuring ownership and economic security.

The elementary goal of the IPR Cell is to popularize IPR concepts to the students and Faculty of Quantum. The IPR Cell will educate them on plagiarism and how protection against it avoids dispute on or denial of credit. Hence IPR provisions encourage further creative effort.

In the practical domain the IPR Cell will train the current researchers and scholars to use patents and copyrights to tap into the economic potential of their scientific, technical or creative ideas. This will open avenues for startups and entrepreneurial understanding. Moreover they can raise finances for their business ideas, enhance the market value of their business models or use these ideas for profit-making. Further, the economic incentives will add-on to the quality and quantity of research. Examples are Apple, Microsoft, Google and Facebook who have systematically used patents to nurture creative ideas into great products and enterprises.

Center for Cyber Security in Collaboration with Quick Heal Academy

Quantum University has instituted a Center for Cyber Security to train the next generation of cyber security professionals. This state of the art facility has been set up in collaboration with Quick Heal Technologies. The center offers a unique Honors Program in Computer Science enabling the students to add an edge to the regular computer expertise. Consequently it prepares an industry ready workforce to tackle the tasks of a highly demanding field essential to the computer technologies of our age. The experts from Quick Heal along with the Quantum technocrats have molded this new age curriculum.

The program bears the hallmark of Quantum quest for 'Outcome Based Learning.' This new approach to learning encourages students to learn so that they can perform some core tasks as an expression of the newly acquired knowledge. As such Quantum students have designed all-terrain vehicles, constructed steel bridges, produced computer animations and harnessed solar energy to race. Our engineers don't just learn theory – they expand upon it and apply it.



This has been achieved by focusing on hands-on-work expertise and application oriented instruction. The same philosophy guides the center for cyber security. Special care has been taken to merge academic rigor with professional application. This makes it up-to-date and relevant to industry needs. The curriculum has the flexibility to be regularly updated to reflect the needs of changing academic and industry standards. All these elements have been infused into the curriculum owing to the vast expertise and firsthand experience that Quick Heal possesses in computer security.

Quantum Center for Cyber Security will provide students new age labs, sophisticated software, expertise of the industry leaders and guidance from prominent academics. The Center for Cyber Security is a unique chance for the student to capitalize on the growing demand and to gain expertise under the aegis of a leader like Quick Heal Technologies.

The 'Q' Faculty

A Great Mix of Experience & Innovation



At Quantum University, we are proud to have faculty members who are well acclaimed in their respective areas of specialization. With this great mix of experience & innovation, we have ensured that our students receive knowledge from a source that we trust. They have the right blend of enthusiasm and attitude towards imparting good quality education to the generation next and that is what makes Quantum University the true seat of learning.

Our teaching methodology is based on personal attention - as and when the student feels the need, he/she is free to approach their teachers. We understand that students today need not only bookish knowledge but also values that form an integral part of our culture.



The Quantum Library

Quantum understands well that a library & information center of an exceptional quality form the nerve center of any good institute. Connecting both students and faculty with global resources of knowledge, the 'Q' Library continues to adapt to challenging new demands and provides a professional and conducive learning atmosphere for the empowerment of its users. The library is rich in resources in the subjects of engineering, management, administration and allied areas. The library houses industry relevant reports, standards, journals, magazines, newsletters, etc. An automated set-up with user friendly portal providing a single point access to e-resources. Full text e-Journals database subscription is available for the faculty as well as the students.



SPECIAL FEATURES

Highly qualified, efficient librarians ensure the best possible information services. Standard textbooks and books by well-known authors are stocked, and every effort has been made to obtain all titles recommended by the faculty. Multiple copies of popular books are stocked to make them available to as many students as possible.

FIRST RFID LIBRARY

Quantum University is proud to announce that it is the first RFID-enabled library in Uttarakhand, fully automating the process for day-to-day operations, and has an automated book issuing and book collection system in place.

Hostels & Mess

One of the key contributors to an intensive learning experience is living on campus. All efforts are made to ensure that accommodation on campus is a very comfortable and a wholesome experience for the students. They get to live on a green, aesthetically pleasing, wi-fi campus, away from the city noise & pollution and well provided with all the amenities.

Hostels

There are separate hostels for boys & girls with 24x7 security. The excellent residential facilities have been carefully planned according to international standards. The rooms are spacious and well-ventilated. Both boys & girls hostels house a well-equipped gymnasium, a central badminton court and common TV rooms for recreation. Nearly 500 students stay on the campus in a very lively but disciplined environment. The rooms are allocated strictly on a first-come-first-served basis and have often to be denied to latecomers.

Mess & Cafeteria

Food served at Quantum is strictly monitored with a large assortment of dishes on the menu. Our mess is set inside a cool modern interior offering a casual yet stylish dining atmosphere. The mess serves sumptuous meals, snacks and other cuisine in a well maintained and hygienic atmosphere. A dedicated and trained team of chefs, cooks and support staff ensures cleanliness, tasteful variety and timings.

The large, buzzing Q-Café is the nerve-centre of student life at Quantum - a great place to socialise and to unwind. A wholesome array of snacks, beverages & meals, large glass-glazings with a view, projector & large screens for live sports etc make the Q-Café a big draw for students.





Campus Facilities



There is a very vibrant sports environment at Quantum. Students, particularly those staying in the hostels, get regular opportunities to follow their favourite sport. Students keenly take part in activities viz. football, basketball, volleyball, cricket, lawn tennis, table tennis, badminton, athletics and indoor games like carom, chess etc are also available to students.



A very functional **sports club** at Quantum, assisted by a sports officer, is entrusted with holding the annual inter-collegiate sports meet - UDAAN. Independent tournaments of cricket, football, tennis among others are also held each year.

A **well equipped gym** is always open to students and is very popular with hostellers.

Health and fitness of students is a top priority at Quantum. A **doctor visits the campus thrice a week** to attend general health issues. Quantum has a tie-up with a reputed hospital close by and a college ambulance is stationed on campus at all times to handle any emergencies.



Although the campus is well connected by local public transport, Quantum has its own **bus fleet** which provides transport facility from nearby cities to the campus from specific pickup points covering all major routes.

Staff and student safety is top priority at Quantum. Adequate safety measures are followed throughout the campus in the best possible manner. Campus activities are duly monitored by modern CCTV cameras. Treated RO water is available on campus. Sophisticated fire alarm systems are strategically positioned throughout the hostels.

Visitors' Testimonials

Great learning at the Quantum Global Campus. All the best and God bless you with all the success.

Brig D V Setia, VSM, Commandant, BEG & C, Roorkee

Great session ! Very inspiring & very well organized!

Mr Arjun Goel, Director, Saraswati Dynamics Pvt Ltd, Roorkee

Truly impressed by the learning environment in Quantum.

Prof (Dr) S P Gupta, Deputy Director, IIT Roorkee

Let us walk together to contribute towards better/best India.

Dr S P Kosta, Ex-Director, Indian Space Research Organization (ISRO)

Very impressed with the entire campus & hospitality. Nice to see this invitation of a Business School informing School educators to discuss contemporary issues.

Mr M K Srivastava, Regional Head, Regional Office CBSE, Dehradun

Pleasure being here.

Prof Girish Jaswal, LM Thapar School of Management, Thapar University

Good students, good work by Quantum.

Mr Gautam Kapoor, Secretary, Bhagwanpur Industries Association, Bhagwanpur

Excellent effort, particularly discussions on MSME in a B-School.

Prof (Dr) Rajat Agarwal, IIT Roorkee

What I witnessed in Quantum students was the spark of enthusiasm and adoption capacity of new learning. It was my pleasure to interact with the dynamic engineers and future leaders. They were very enterprising.

Dr Vishal Talwar, Faculty, London School of Economics, London

Quantum students have amply demonstrated their leadership qualities as our Academic partners during the recent International Ambassador Meet in Dehradun 2012. I found them very participative and interactive.

Mr Pankaj Gupta, President, Industries Association of Uttarakhand, Dehradun

Wow ! Not seen such facilities in entire Uttarakhand.

Mr Udai Prabhakar, Commercial Head, Ambuja Cements

Really impressed by the vision & mission of the institute.

Prof (Dr) S C Saxena, Ex-Director IIT Roorkee

Good students with great communication skills.

Mr Neville Patel, CEO Liaison, Global Step Service (P) Ltd

Fantastic! Keep it up.

Prof Pradipta Banerji, Director IIT Roorkee

Excellent ambience to nurture the young mind and is a superb place for the young saplings to bloom fully.

Mr V Pandhi, Executive Director, BHEL Haridwar

I enjoyed my visit to Quantum and interaction with students was very good.

Mr Madan Lal, Renowned Cricketer of Indian Cricket Team

I felt great meeting students and staff of this institute.

Mr Manoj Kumar, Commonwealth Boxing Gold Medalist

Very good platform for every child, take your own time and grow up into good citizen. Fantastic campus, lots of creativity, good luck & keep it up. Jai Hind !

Mr Satyavrat, DGP Uttarakhand

"It was an overwhelming experience, I still miss the moments I spent at Quantum. I wanna study once more in Quantum".

GURSIMRAN SINGH
Design Engineer
NICT Chandigarh

"My experience cannot be described in two lines. It will be covered at least in a book. It was so life changing, both personally and professionally."

NIMIT KUMAR
Lieutenant, Indian Army

"Nice experience, awesome learning and well maintained discipline."

Prakash C Joshi
Programmer Analyst
Cognizant Technology Solutions

"Being at Quantum was one of the greatest experiences of my life. I learnt a lot of new things to grow my career."

PARTYUSH GOYAL
Director
Esperto Technologies

"Quantum has not only given me education but also helped me to build my personality which help me to shape my career."

ANKUR KUMAR SHAROWHA
Analyst & Troubleshooter
Casagrande India

"Well, what I learnt at Quantum is hard work & knowledge never go waste, you can achieve your goals easily if you have determination and confidence."

SILKY GOEL
MTech (IIT Bhubaneswar)

**#ALUMNI
TALKS**





Quantum

**School of
Technology**

School of Technology



Department of Computer Science & Engineering

M.Tech

Computer Science & Engineering - 6 Seats

B.Tech

Computer Science & Engineering - 450 Seats

- Specialization in Cyber Security in collaboration with Quick Heal
- Specialisation in AI-ML

Department of Civil Engineering

M.Tech Structural Engineering

- 3 Seats

B.Tech Civil Engineering

- 15 Seats

Department of Mechanical Engineering

M.Tech Thermal Engineering

- 3 Seats

B.Tech Mechanical Engineering

- 15 Seats

Department of Computer Applications

BCA

- 240 Seats

MCA

- 90 Seats

Quantum School of Technology is a world-class center of excellence that provides an intellectually stimulating environment to hone one's engineering skills besides growing culturally and spiritually.



Highly seasoned faculty, well-researched curriculums across streams, a range of MoUs for collaborative programs with the industry, and a robust culture of training to foster skill development inculcate a love for learning and improve employability quotient.

The education vision adopted by quantum school of technology is quite unique. It actively promotes interdisciplinary learning where one can study Computer Science with Economics or Mechatronics with Cyber Security. A student can do a specialization in one's own domain or earn a minor degree in an unrelated field. The guidance of a mentor is always at hand.

Quantum School of Technology has a strong and consistent placement record with nearly a hundred blue-chip companies visiting the campus every year offering record packages in the state. Constantly recognized for its excellence, some of the coveted awards conferred on Quantum School of Technology include 'Best Private College in North India' (Brands Academy), 'Best Engineering College in North India promoting Innovation' and 'Best institute for Industry Academia interface in North India' (ASSOCHAM).

** BTech (Hons) program shall be qualitatively different from a regular BTech program in terms of its eligibility criteria, curriculum and academic rigor, industry collaborations, projects and number of credits to be earned, and fee structure. Students opting for BTech (Hons) program are advised to take the help of faculty mentor of the concerned department before opting for the program. The University reserves the right to deny or cancel admission to an honors program if the student does not match the performance criteria.*



Department of Computer Science & Engineering

M.Tech Computer Science & Engineering	Two Years Program	6 Seats
B.Tech Computer Science & Engineering	Four Years Program	450 Seats

Vision

To be a front runner in Computer Science and Engineering education, research, and innovation, empowering students to become globally competent leaders in technology-driven solutions and to become lifelong learners to be able to harness the dynamics of continuously changing technology.

Mission

- M1. Foster academic and research excellence to meet evolving industry demands and technological advancements.**
- M2. Cultivate a strong foundation in computer science and engineering principles through rigorous education and practical exposure.**
- M3. Encourage innovation, creativity, entrepreneurship and human ethics among students to address real-world challenges.**
- M4. Collaborate with industry and academia to provide interdisciplinary opportunities and foster a culture of continuous learning and growth.**

Engineering College Dehradun, Quantum University, has emerged as the beacon of innovative Engineering Education among the top Private engineering Colleges in dehradun which is the capital city of North Indian state of Uttarakhand. The university is acquiring a nation-wide popularity by attracting students from diverse states and remote regions. Quantum has consistently been Ranked as “NO.1 Engineering College Dehradun for Academics” for its maximum number of btech placements in various national and international firms. The learning is facilitated by modern infrastructure which sprawls over a huge area. From airy and fully-lit classrooms to state-of-the art library and Engineering laboratory, Quantum University has taken the lead in terms of architecture and infrastructure as well. It has featured among the top 10 engineering colleges in uttarakhand.



Over the past few years, Quantum University has won the title of best placement college in dehradun, due to its latest and innovative teaching-learning methodology. Several reputed companies visit the campus every year for recruiting Q-mates. Quantum offers its students a rich and rewarding life. Quantum has given a tough competition to the engineering college in Mussoorie, Dehradun & Roorkee. Therefore, it has become a breeding ground for young and aspiring minds.



MTech Two Years Program Computer Science and Engineering 6 Seats

The Master's program in Computer Science and Engineering aims to equip graduates with the knowhow that would enable them to execute research work or take up research oriented and advanced jobs in industry and academia.

The program inculcates conceptual understanding and technical ability to empower research activity in Computer Science and Engineering. The course is structured around select core courses. The student is allowed to choose electives suitable to interests and personal goals.

The curriculum is aimed to foster research outlook in real life problems. To this end ample exposure is provided via case studies, industry visit and interaction with industry experts.

ELIGIBILITY

BTech in relevant discipline or MSc (Physics / Maths / CS) or MCA for relevant branch. GATE Qualified shall be given preference.

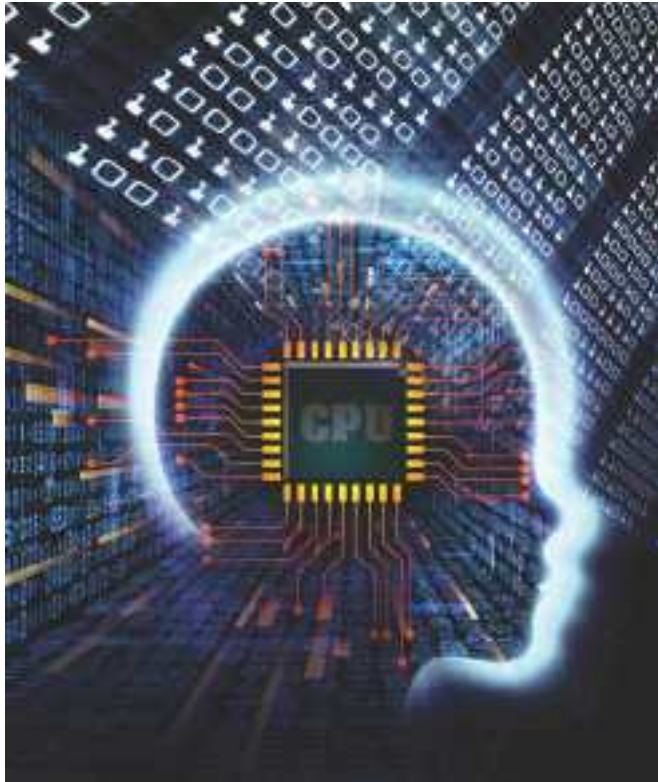


SCOPE AND HIGHLIGHTS

Some of the core subjects encountered are Mathematical Foundations, Algorithms, Data Structures, Advanced Computer Architecture, Software Engineering, Compiler Design, Advanced Operating System, and Modeling and Simulation.

Electives include Theory of Computation, Embedded Systems, Digital Imaging, Mobile Computing, Distributed Computing, Multimedia Systems, Data Mining, Software Project Management, XML and Web services, Wireless Sensors, Networks Pattern recognition and Grid Computing.





BTech Four Years Program
Computer Science & Engineering 450 Seats

One can hardly over-emphasise the importance of Computer Science & Engineering in a technology driven society. Its applications are global in nature and are all pervasive in Industry, Governance, Banking, Logistics, Trade & e-Commerce, Research, Space Program, Education and beyond.

The CSE program at Quantum School of Technology is designed to develop thorough computing, analytical & research skills in a student. Graduates shall apply their domain knowledge with leadership & professional ethics.

ELIGIBILITY

10+2 or equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry/ Biotechnology/ Biology/ Computer Science (IT). At least 50% marks in the above three subjects taken together & 55% for B.Tech. (H) the Candidate must have passed English as a subject in 10 + 2 Examination. Merit in University Entrance Exam(Q-CARE), IITJEE (Mains) & State Level Entrance Exams shall be given preference with 55%.



SCOPE AND HIGHLIGHTS

The flowering of computing genius has found manifestation in myriad fields. Exciting opportunities lie in emerging fields of Artificial Intelligence, Internet of Things & Robotics, which are poised to pervade every conceivable field and transform beyond recognition the way we live, associate or work. Quantum University has recognized these trends early and carved out the most updated curriculum in futuristic specializations of CSE. The department ensures that our graduates are equipped with the new technologies, are globally employable, and are ready to ride the change.

To ensure a sustained career for our engineering graduates, Quantum offers a unique inter-disciplinary learning environment. For example, a Computer Science engineer has the option to choose from a range of electives such as Entrepreneurship, Environment, Economics, Foreign Language, and much more; and even earn a minor degree on completion of certain number of credits.



CAREER OPPORTUNITIES

Computer Science is a very dynamic field developing in new directions. New fields are emerging with essential dependence on computer technologies. In such a scenario, Computer Science graduates are always in high demand. The private sector is the prime source of employment in this field.

Computer Science graduates can work in a number of profiles such as Software Engineer, Programmer, Software Developer, System Designer, Web & Product Designer, Data Analyst, System Administrator, etc.

Graduates from this field can also gain entry to various coveted positions in public and private sector such as Indian Armed Forces, Banking, Corporate & Administrative assignments, and Research & Teaching, among others.





Specialization in Cyber Security in collaboration with Quick Heal



Internet technologies have seen an unprecedented growth in recent years. The focus on e-commerce, e-governance, e-learning and e-banking offers ease of access but also gives an open hand to hackers and unscrupulous elements to target computer networks, jeopardizing information and privacy.

Cyber Security is an ensemble of practices, techniques and technological protocols aimed at the protection of computer systems and networks from unauthorized access.

Cyber security involves controlling access to the physical hardware, protection against harmful code injection via network access and data sharing. The security effort also involves dealing with threats such as virus, trojan and malware infection.



SCOPE AND HIGHLIGHTS

This program has been developed in collaboration with Quick Heal Technologies - a dominant player in computer security.

Quick Heal enriches the course with its vast experience and first hand expertise in computer security. The course features unique modules of study prepared by Quick Heal experts. The course is an exceptional mix of academic rigor and professional dynamism making it up-to-date and relevant to industry needs. The curriculum will be regularly updated to imbibe the changing needs of academia and industry.

The program is meant to augment an edge to the regular computer expertise, to prepare an industry ready workforce to tackle the tasks of a highly demanding field.



CAREER OPPORTUNITIES

A Computer Science professional equipped with a certification in Cyber Security opens a world of opportunity in high profile corporate and government departments. Amongst popular job profiles in this field are Network Security Administrator, Network Security Engineer, Web Security Auditor, Application Security Tester, Web Security Administrator, Ethical Hacker, Security Analyst and Software Developer.

Some advanced job profiles are Chief Information Security Officer, Cyber Intelligence Analyst, Cyber Policy Analyst, Cyber Investigator, Network Security Manager, Information Security Manager and Data Security Specialist.

A Cyber Specialist can launch an entrepreneurial venture or become a consultant to businesses and other organizations.





Specialization in AIML

Artificial Intelligence Course Description : Artificial Intelligence and Machine Learning, which were dreams once, are realities today. Keeping in mind the fast-changing tech world, Quantum introduces this unique and innovative professional course to help students kick start a career in A.I and Machine Learning. As Quantum becomes a leading artificial intelligence college in Dehradun, students from all over the country seek to enroll in this course.

This course, which is an agglomeration of the best artificial intelligence syllabus, introduces students to the basic concepts and algorithms of A.I and Machine Learning, and their effective implementation in both theory and practice. Student's learn via through an array of creative methods and techniques. The artificial intelligence course syllabus has been newly updated to keep the latest knowledge at the disposal of students. The course makes the artificial intelligence learning more interesting and fruitful.



SCOPE AND HIGHLIGHTS

Statistics reveal that the IoT growth will be driven by consumer sector applications. To meet this demand the manufacturing sector must show great growth. IoT applications in Environmental Science include Weather Science, Soil Analysis, Crop Management, Agriculture Markets and Resource Management.

The field of Medicine will be revolutionized with IoT. It promises wearable implant devices and automated health services. It gives patients the power to track their symptoms and vital signs in real time. Such technologies could save millions through a reduced need for appointments, onsite tests and unnecessary treatment. IoT is a vast topic but there are majorly two categories: Consumer IoT (consumer electronics, home entertainment, etc) and Industrial IoT (actuators, sensors etc). The IoT needs inputs from a lot of knowledge disciplines. Hence the learners study a wide range of subjects.



CAREER OPPORTUNITIES

IoT is a field of research and exploration, as such it has unending potential in research and development. Learners can opt for academic careers and can contribute to the development of IoT solutions.

IoT is a great opportunity for budding entrepreneurs who can setup successful businesses to provide solutions to the consumers. A number of profiles that students can work in are IoT System Administrator, Machine Learning Engineer, IoT App Developer, IoT Solution Architect and IoT Scientist.





Department of Civil Engineering

M.Tech Structural Engineering	Two Years Program	3 Seats
B.Tech Civil Engineering	Four Years Program	15 Seats

Vision

To be a pioneering hub of civil engineering education and research, nurturing competent professionals with a deep sense of responsibility towards sustainable infrastructure development, societal well-being, and environmental stewardship.

Mission

- M1. Provide a comprehensive education that equips students with latest theoretical knowledge and practical skills in civil engineering.**
- M2. Foster a culture of innovation, research and adaptability to address the evolving challenges of infrastructure development and environmental sustainability at local as well as global levels.**
- M3. Promote ethical practices, social responsibility, and inclusive growth in all aspects of civil engineering projects.**
- M4. Collaborate with industry, government, and communities to contribute to the advancement and well-being of society through sustainable infrastructure solutions.**

Civil Engineering helps us design, construct and maintain infrastructural elements that range from roads to dams. A civil engineer works to improve living conditions by continuously working for the safety and comfort of the society by upgrade of the public facilities be it roads, tunnels, bridges, water systems or buildings.

Civil Engineering aspirants must have a keen sense of analytical ability, social responsibility and creative thinking. A taste for team work with architects, contractors, and construction workers is necessary since interaction is essential for the knowledge sharing, feedback and success of projects.



The civil engineer is expected to have a thorough knowledge of varied branches of learning. Physics and Mathematics are the foremost of these disciplines. Moreover Geography, Hydrology, Geology, Structural Analysis, Materials Science, Soil Structure, Environmental Science and many other fields constitute the subject of Civil Engineering.



M.Tech Two Years Program Structural Engineering

3 Seats

Structural Engineering is a sub-discipline of Civil Engineering in which structural engineers are trained to understand, predict, and calculate the stability, strength and rigidity of built structures for buildings and non-building structures, to develop designs and integrate their design with that of other designers, and to supervise construction of projects on site. They can also be involved in the design of machinery, medical equipment, and vehicles where structural integrity affects functioning and safety.

Structural engineering theory is based upon applied physical laws and empirical knowledge of the structural performance of different materials and geometries. Structural engineering design utilizes a number of relatively simple structural elements to build complex structural systems. Structural engineers are responsible for making creative and efficient use of funds, structural elements and materials to achieve these goals.

ELIGIBILITY

BTech in relevant discipline or MSc (Physics / Maths / CS) or MCA for relevant branch. GATE Qualified shall be given preference.



SCOPE AND HIGHLIGHTS

The MTech program blends strong theoretical foundations with practical learning through extensive analytical and computational methodology. The course develops industry relevant skills along core competence for academic and research tasks. The course imparts students a firm grounding in cutting edge design and execution strategies for a spectrum of infrastructure needs.

The field of study includes subjects viz Structural Dynamics, Theory of Elasticity & Plasticity, Concrete Structures, Soil Structure Interaction, Steel Structures, Disaster Resistant Structures, Seismic Design, Industrial Structures, Maintenance & Rehabilitation, Structural Analysis, Computer Aided Design, Finite Element Analysis and Matrix Computer Methods.





BTech Four Years Program
Civil Engineering

15 Seats

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, buildings, airports, sewerage systems, pipelines and railways.

To ensure a highly skilled Civil Engineer, the curriculum at Quantum School of Technology ensures that one has a thorough knowledge of Physics, Mathematics, Hydrology, Geology, Material Science, Soil Structure, Environmental Science and many other fields. New age Civil Engineering software such as Revit & AutoCAD; and survey based projects are an integral part of the program.

Due emphasis is also laid on ensuring high analytical ability, a taste of teamwork with contractors and workers, respect for dignity of labor and a sense of social responsibility.

ELIGIBILITY

10+2 or equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry/ Biotechnology/ Biology/ Computer Science (IT). At least 50% marks in the above three subjects taken together & 55% for B.Tech. (H) the Candidate must have passed English as a subject in 10 + 2 Examination. Merit in University Entrance Exam(Q-CARE), IITJEE (Mains), State Level Entrance Exams shall be given preference with 55%.



SCOPE AND HIGHLIGHTS

Civil Engineering combines creativity with technical competence. The work entails dynamic fieldwork to monitor projects sites and tackle practical issues.

India is a nation in the making. Huge infrastructure investments and rapid urbanization over the last couple of years have opened the floodgates of opportunities for Civil Engineers in every conceivable area like building of airports, ports, roads, railways, dams, bridges, flyovers, commercial and residential complexes, to name a few. Given a whopping gap as compared to developed economies and countries like China, the trend is likely to continue for decades.

Quantum School of Technology being in the vicinity of Mecca of Civil Engineering in India - IIT Roorkee, gets a rich pool of very seasoned faculty to mentor students in classrooms, projects, fieldwork, research and consultancy.



CAREER OPPORTUNITIES

Employment for Civil Engineers abounds in the private and public sectors. In the private domain the Infrastructure sector is the perennial playground of the civil engineer. With the ever-widening network of roads and rails, there is no dearth of jobs for Civil engineers.

Civil Engineering has many specializations available to be followed by the bachelor's degree. Hence a student can augment his degree with a Masters' course in subjects such as Structural Engineering, Architectural Engineering, Mining Engineering, Fire Protection Engineering, Environmental Engineering, Material Engineering, Transport Engineering etc.

Civil Engineers, as they gain in experience, are often seen providing consultancy in Survey, Foundation, Soil Testing, Hydrology, Structures, etc, both as a part of larger organizations as well as individuals.





Department of Mechanical Engineering

M.Tech	Thermal Engineering	Two Years Program	3 Seats
B.Tech	Mechanical Engineering	Four Years Program	15 Seats

Vision

To be a premier centre of excellence in mechanical engineering education and research, empowering students to become visionary engineers, innovators, and problem solvers in diverse industrial sectors with a strong commitment to sustainability and global impact.

Mission

- M1. Provide a transformative educational experience that instills fundamental knowledge, critical thinking, and practical skills in mechanical engineering.**
- M2. Foster a culture of innovation, research, lifelong learning and ethical values to address complex challenges and drive technological advancements.**
- M3. Promote sustainable practices, energy efficiency, and environmental consciousness in mechanical engineering design and manufacturing processes.**
- M4. Collaborate with industry and academia to create interdisciplinary, experiential and participative learning opportunities.**

Mechanical Engineering is a discipline which uses the principles of mechanics for the designing and manufacture of machines and tools for varied purposes. Its knowledge is the soul of the industrial revolution. Mechanical Engineering fashioned our grandest ships, greatest factories, mightiest engines and fastest cars.

Mechanical engineers design, test, develop, research, manufacture and maintain mechanical systems and devices. Thus it is a very broad field which spans varied areas. Mechanical engineers work with and develop better generators, internal combustion engines, turbines, refrigeration, air-conditioning, agriculture equipment, machine tools, industrial systems, production systems and robots.



A student with a strong physical intuition, mathematical skills and problem-solving skill is best suited to this field. The other qualities needed are analytical ability, scientific aptitude, creativity, multidisciplinary thinking, fascination for machines and a desire to push the boundaries.



MTech Two Years Program
Thermal Engineering

3 Seats

Thermal Engineering explores advanced applications of the science of Thermodynamics. It studies Heating and Cooling Processes, Heat Transfer in Linear, Non-linear, Steady State and Transient Modes, Fluid Flow, Porous Media, Multi-phase Flows, Open Channel Flow, Fluid Structure Interactions, etc.

Thermal Engineers concern themselves with design and maintenance of equipment like gas turbines, steam turbines, heat exchangers, pumps, propellers, compressors, rotor stator interactions, inlet manifolds, flow separators, turbochargers, volutes and related accessories.

ELIGIBILITY

BTech in relevant discipline or MSc (Physics / Maths / CS) or MCA for relevant branch. GATE Qualified shall be given preference.



SCOPE AND HIGHLIGHTS

The field studies subjects such as Thermodynamics, Heat Transfer, Thermal Power, Energy Systems Design, Refrigeration, Air Conditioning, IC Engines and Hydro-thermal Turbo machines.

The program aims to provide the engineer with cutting edge skills in Numerical Simulation, Flow Visualization, Particle Characterization, Combustion Diagnostics and Thermal Research. The course focuses on experimental and simulation techniques and their applications in the context of Thermal Engineering.





BTech 4 Years

Mechanical Engineering

15 Seats

Mechanical Engineering is a glorious discipline that has fashioned our grandest ships, greatest factories, mightiest engines and fastest cars.

Mechanical engineers design, develop, manufacture and maintain machines & tools spanning across varied sectors. They develop better generators, internal combustion engines, turbines, refrigeration, air-conditioning, agriculture equipment, machine tools, industrial systems, production systems and robots. Students with a strong liking for the real world, fascination for machines, scientific aptitude, creativity and multi-disciplinary thinking are best suited for this field.

With highly experienced faculty, well-equipped workshops & labs, the ME department at Quantum has produced outstanding mechanical engineers over the years.

ELIGIBILITY

10+2 or equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry/ Biotechnology/ Biology/ Computer Science (IT). At least 50% marks in the above three subjects taken together & 55% for B.Tech. (H) the Candidate must have passed English as a subject in 10 + 2 Examination. Merit in University Entrance Exam(Q-CARE), IITJEE (Mains), State Level Entrance Exams shall be given preference with 55%.



SCOPE AND HIGHLIGHTS

Mechanical Engineering is one of the oldest and the broadest of the engineering disciplines. It is a fascinating world of machines, CNCs, lathes, foundries, tools and equipment. Its scope is growing with each day given the constant induction of new technologies and software.

The demand of mechanical engineers in India is phenomenal as the 'Make in India' program announced by the government seeks to rival China as the world's manufacturing facility. Only a talented pool of mechanical engineers can help our nation realize this dream. The ME department at Quantum, with a keen eye on the latest advances in the field, and a rich pool of men & material is all set to meet the challenge.



CAREER OPPORTUNITIES

There is a huge demand for Mechanical Engineers in both private & public sector. Automobile, Shipping, Aviation, Manufacturing, Power and Environmental sectors are huge and generate constant employment for mechanical engineers. Students from Quantum have constantly been absorbed by auto majors like Tata and Mahindra. They are also successfully placed in sectors ranging from Pharmaceuticals and Refrigeration to Food Processing and have even been hired by large consultancy companies as Technical Analysts. One can even opt for Civil, Defense or Engineering services.

Besides the job sector, Quantum students also pursue post-graduate programs such as MTech or MBA both within and outside the country. Mechanical engineering also offers a huge scope for entrepreneurship and self-employment.





Department of Computer Applications

MCA Two Years Program	90 Seats
BCA Three Years Program	240 Seats

Vision

To be a centre of excellence in computer applications education, research, and innovation, empowering students to become proficient professionals in leveraging technology for diverse domains and societal transformation.

Mission

- M1. Provide comprehensive education in computer applications with a strong foundation in programming, software development, and emerging technologies.**
- M2. Foster innovation, interdisciplinary awareness, critical thinking, and problem-solving skills to develop industry-relevant applications and solutions.**
- M3. Collaborate with industry and academia to bridge the gap between theory and practice, preparing students for successful careers.**
- M4. Promote ethical practices, data security, and responsible use of technology while embracing emerging trends and global standards.**

BCA, an acronym for Bachelors in Computer Applications, comprises of a three year undergraduate curricula. The thrust of BCA is on an application of Computer languages. The course works as a good launch pad for an advanced career in Information Technology. The course is quite popular as its eligibility criterion is very open. A student from any stream, with English, is considered suitable.



The basic focus of the BCA curriculum is on computer architecture, operating systems, database management systems, software engineering, web technology and computer languages such as C, C++, HTML, Java etc.



MCA Two Years Program 90 Seats

The thrust of MCA is on application of Computer languages. The course works as a good launch pad for an advanced career in Information Technology. The course is quite popular as its eligibility criterion is very open. A student from any stream, with English, is considered suitable.

The basic focus of the MCA curriculum is on Computer Architecture, Operating Systems, Database Management Systems, Software Engineering, Web Technology and Computer Languages such as C, C++, HTML, Java etc.

ELIGIBILITY

BCA / B.Sc(IT/CS) with Minimum 50% total Or Passed B.Sc. / B.Com./B.A with Mathematics at 10+2 Level or Graduation Level (with additional bridge course as per the norms of Quantum University, Roorkee) with 50% total



SCOPE AND HIGHLIGHTS

BCA opens a world of opportunity. After a BCA, the student can strengthen the basics learnt by pursuing an MCA. The course provides ample training to diverge and specialize in a number of allied fields. An MBA in IT Management is one such option. Another route is a Master's degree in IT. Another viable direction is a Diploma certification in networking via CCNP/CCNA, Microsoft Certified Solutions Associate or MCSA and Red Hat.

It goes without saying that a BCA degree opens lucrative job opportunities in IT organizations like Wipro, Infosys, Oracle, and IBM. One can improve skills by teaching computer science in school, universities and colleges. BCA graduates are also competing for the relevant jobs in IT department of Government and public sector organizations.



CAREER OPPORTUNITIES

Due to the proliferation of computer technologies in today's society the job prospects for a BCA are endless. Companies like Infosys, Wipro, HP, Microsoft and Google offer excellent openings in different competitive profiles. These jobs involve basic responsibility to more complex work.

A basic profile, that a BCA may start his career with, is that of a System Administrator, Desktop Technician or Help desk Assistant. These are employed in organizations such as banks, schools or colleges. The profile entails the setting up and maintenance of the server and system network. Another entry level profile is junior programmer and software tester who install, test and maintain software. This involves coding skills in computer language such as Assembly, COBOL, C, C++, C#, Java, Lisp, Python, etc. This may later diverge into a career in Web Development in various web designs in companies and digital marketing.





BCA Three Years Program

240 Seats

The thrust of BCA is on application of Computer languages. The course works as a good launch pad for an advanced career in Information Technology. The course is quite popular as its eligibility criterion is very open. A student from any stream, with English, is considered suitable.

The basic focus of the BCA curriculum is on Computer Architecture, Operating Systems, Database Management Systems, Software Engineering, Web Technology and Computer Languages such as C, C++, HTML, Java etc.

ELIGIBILITY

10+2 or equivalent from any Stream with minimum 45% marks in total with Maths / Computer Application will be given preference.



SCOPE AND HIGHLIGHTS

BCA opens a world of opportunity. After a BCA, the student can strengthen the basics learnt by pursuing an MCA. The course provides ample training to diverge and specialize in a number of allied fields. An MBA in IT Management is one such option. Another route is a Master's degree in IT. Another viable direction is a Diploma certification in networking via CCNP/CCNA, Microsoft Certified Solutions Associate or MCSA and Red Hat.

It goes without saying that a BCA degree opens lucrative job opportunities in IT organizations like Wipro, Infosys, Oracle, and IBM. One can improve skills by teaching computer science in school, universities and colleges. BCA graduates are also competing for the relevant jobs in IT department of Government and public sector organizations.

CAREER OPPORTUNITIES

Due to the proliferation of computer technologies in today's society the job prospects for a BCA are endless. Companies like Infosys, Wipro, HP, Microsoft and Google offer excellent openings in different competitive profiles. These jobs involve basic responsibility to more complex work.

A basic profile, that a BCA may start his career with, is that of a System Administrator, Desktop Technician or Help desk Assistant. These are employed in organizations such as banks, schools or colleges. The profile entails the setting up and maintenance of the server and system network. Another entry level profile is junior programmer and software tester who install, test and maintain software. This involves coding skills in computer language such as Assembly, COBOL, C, C++, C#, Java, Lisp, Python, etc. This may later diverge into a career in Web Development in various web designs in companies and digital marketing.





Quantum
School of
Graduate
Studies

School of Graduate Studies



Department of Commerce & Finance

B Com 60 Seats

Specializations

Banking & Insurance

Department of Sciences

BSc (Hons) 15 Seats

Specializations

Physics / Chemistry / Maths

Department of Humanities & Social Sciences

BA (Hons) 30 Seats

Specializations

English / Economics / Psychology

An intense graduation program is a pre-requisite to a sound professional career.

Quantum School of Graduate Studies has been envisaged keeping this guiding principle in mind. It seeks to introduce a spectrum of undergraduate programs that shall serve the contemporary requirements of students and shall always ensure a very high standard of teaching-learning process.

Professionals in sectors like finance, pure sciences and humanities are in huge demand and are carving very rewarding careers. To begin with, Quantum School of Graduate Studies covers these significant sectors through its various undergraduate programs and invites students to make the most of it.





Department of Commerce & Finance

B.Com Three Years Program 60 Seats

Specialisation

Banking & Finance

Vision

To be a comprehensive center of commerce and finance education, empowering students with knowledge, analytical skills, and ethical values to excel in the national & international business environment, drive sustainable economic growth, and make informed financial decisions.

Mission

- M1. Provide comprehensive education in commerce and finance in an interdisciplinary mode, blending theoretical knowledge with practical applications.**
- M2. Foster critical thinking, analytical skills, adaptability and financial acumen to prepare students for diverse roles in the corporate and financial sectors.**
- M3. Promote ethical practices, corporate governance, and responsible financial management for sustainable business growth.**
- M4. Collaborate with industry partners and professional organizations to offer experiential learning, internships, and industry-driven projects for industry readiness and adaptability towards diverse business challenges.**

The Bachelor of Commerce with Honours (BCOMH) is a degree program which provides an extensive overview of the field of commerce with a specific thrust on a core constituent subject. The program usually involves intense study which culminates with a dissertation.



The program is designed to inculcate knowledge with skill to develop a firsthand grasp of business studies. This degree aims to provide a strong conceptual foundation of core Commerce curricula. It is furthered with a specific specialization in a select core area of the curriculum. The BCOMH unlike the ordinary graduate program in Commerce has a focus on an in-depth study. Therefore it is best suited to students who plan to conduct research oriented studies in the future or are inclined towards entrepreneurial goals. It is expected that the student has strong analytical ability, varied communication skills and creative thinking to negotiate the demands of this program.



BCom Bachelor of Commerce

Three Years Program

Commerce refers to the 'act of buying or selling' usually in an extensive setting. In essence it involves transaction of commodities. It encompasses the economic, social, legal, political, cultural and technological setup that makes such activity possible. Commerce is usually conducted at an international level. The program is suited to people who have entrepreneurial dreams or work closely with the business world. These include future economists, tax experts, lawyers, chartered accountants and MBA aspirants.

The student who aspires to enter the program should have good communication skills, ability to network, affinity for hard work, business vision, appreciation for different perspectives and a mind for calculation. The best part is that the program is open to students of all the streams - Science or Arts. A good understanding of the English language is quite conducive to the degree program.

ELIGIBILITY

10+2 or equivalent in any stream & minimum 45% marks in total.

SCOPE AND HIGHLIGHTS

Quantum University has molded the traditional BCom degree into a modern curriculum ready for the world of business. It empowers students with the core understanding of Commerce and its applications. The course content consists of subjects like Accounts, Economics, Entrepreneurship, Business Skills and Management. The curriculum studies advanced topics with subjects such as Business Economics, Income tax, Cost Accounting, Financial Accounting, Auditing, Marketing, Company Law, and Business Administration.

The curriculum, prepared by experts from top Universities, also covers the requirements of Mathematics, Statistics and Information Technology that includes training on business and accounting software. Business Communications and English is also an integral part of the curriculum which has been designed to ensure that graduates imbibe employability skills.

The Bachelor of Commerce degree acts as a foundation for Master's degrees like MCom and MBA, further opening elevated careers in Accountancy, Finance, Taxation, Planning and Banking, Marketing, HR, etc.

CAREER OPPORTUNITIES

Great effort has been made to make the BCom program at Quantum University in tune with the needs of contemporary business. Commerce graduates are an integral part of the trade, commerce, industry, banking, insurance and all other derivatives of finance. These are all pervasive areas with a huge demand for competent commerce graduates. The most basic profile for a graduate is that of an Accountant with different levels of organizations depending on one's experience.

As markets and economy expand with the advent of foreign investment and multinationals, a number of new fields have opened up for the BCom graduate. Some of these fields are Business Analysis, Financial Planning and Sales Strategy. As per their specializations, students can pursue careers in Financial Services, Marketing or Project Management.

In the modern economy, Commerce graduates are sought in Business Consultancies, Industrial Houses, Investment Banking, Policy Planning, Foreign Trade, Budget Planning, Merchant Banking, and Marketing.

The BCom degree also acts as the foundation for higher degrees and profiles such as Chartered Accountants, Company Secretaries, Chartered Financial Analyst, ICWAI Cost Accountants, Certified Management Accountant, Actuaries, Certified Financial Planner and Business Development officers.

In the current market economies, the job and entrepreneurship opportunities for a commerce graduates are endless and promise a great career .





Specialization

Banking & Insurance

Banks are institutions dealing in the debit and credit of various financial instruments to maintain a smooth capital flow. Its most salient activity is to accept deposits from the general public to create credit. Moreover it indulges in different aspects of monetary activity such as lending, buying, investment, liquidity, inflation and fiscal policy. It is evident that banks channelize the bulk of business activity and hence determine the health of the economy. Insurance sector is an allied activity of the banking sector. Insurance is an agreement which signifies a financial cover in case of unexpected scenario in human life as fire, accident, theft, natural calamity, etc. The legal statement of the agreement is termed the policy. In the modern globalized and liberalized economy insurance facilities are spreading to cover a number of start-ups and entrepreneurial ventures hence giving the sector a great boost.

A student seeking to specialize in Banking and Insurance must have a good command of the basics of Commerce, Economics, Law, Business Policy, Accounting and Finance. This field requires patience, flexibility, keen sense of customer satisfaction and communication skills.

SCOPE AND HIGHLIGHTS

This is a specialized version of BCom (Hons) Program with a strong focus on the huge Banking & Insurance sectors. These sectors are highly employment oriented and demand special knowledge base and skill set. The program is designed around the fundamentals of Economics, Commerce and Financial Accounting along with systematic study of specialized subjects related to banking and insurance. Other focus areas are tools and techniques of Accounting Management, Customer Relationship Management and importance of Information Technology in Commerce and Business. After passing the course, students have the options of study in various fields. They also gain readiness to write the Bank Probationary Officers' (PO) exam.

This curriculum focuses on the structure, policies and functioning of diverse financial institutions and intermediaries. Students get equipped in General Business Skills, Finance, Economy, Management, Management And Financial Accounting, Financial Statement Analysis, Securities, Stock Market, Portfolio Management, Insurance And Risk Management, Insolvency, Mergers And Acquisitions.

The students gain understanding of the end to end functioning of banks and also knowledge of the Insurance sector to be able to write and sell insurance policies in a professional fashion.

CAREER OPPORTUNITIES

The current pace of globalization in the Indian market promises spectacular opportunities in the financial markets for finance graduates. One core example is the rise in banking industry jobs because of increasing role of FDI and FII. Quantum University recognized this trend early and incorporated this in the curriculum to prepare professionals who can negotiate the challenges of this competitive and demanding sector.

Likewise, very lucrative job options in fast growing Investment Banking, e-Commerce, Retail Banking are being offered to such commerce graduates. The Government's focus on manufacturing and infrastructure also suggests a higher demand of professionals to coordinate financial markets and execute proper insurance policies.

A number of high end sectors for jobs, generally after masters' degree, or after appropriate work experience include Investment Banking, Chartered Accountancy, Financial Consultancy, Portfolio Management, For-ex Trade, Mergers and Acquisitions, Risk Management and Insolvency Management.

BCom (Hons) graduates are employed in popular jobs like Loan Officer, Probationary Officer, Stock Broker, Financial Analyst, Investment Analyst, Insurance Agents, Composite Agent, Insurance Surveyors, Company Secretary and Costing and Work Accountant.





Department of Sciences

B.Sc (Hons) Three Years Program 15 Seats

Specializations

Physics / Chemistry / Maths

Vision

To be a leading centre of scientific education and research, fostering a spirit of inquiry, innovation, and discovery, while nurturing students to become critical thinkers, problem solvers, by applying methods and principles of science for explanation of usual phenomena, and contributors to scientific advancements and societal well-being.

Mission

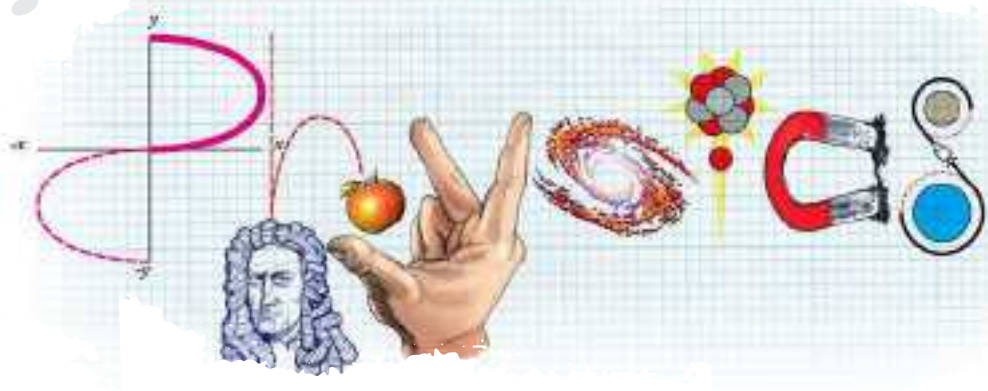
- M1. Provide a comprehensive scientific education that encompasses fundamental principles, interdisciplinary learning, and research methodology.**
- M2. Cultivate a culture of curiosity, experimentation, and scientific inquiry to develop analytical and problem-solving skills.**
- M3. Promote collaborative research, innovation, and application of scientific knowledge to address global challenges and improve quality of life.**
- M4. Collaborate with scientific institutions, industry, and communities to facilitate hands-on learning, experiential opportunities, and interdisciplinary immersion.**

Physics is a fundamental science. Physics is a branch of science which studies motion, matter, heat and light. Physics makes extensive use of Mathematics to develop mathematical model to study physical reality. Physics has not only expanded the horizons of tradition of learning but also affected a technological revolution. Consequently physics has had an unimaginable impact on human society.

The science of chemistry is in essence a study of matter. Chemistry focuses on the physical and chemical structure of the matter. As such Chemistry is a fundamental field of modern science. The science goes further to understand the atomic structure and molecular interaction of matter. Ultimately this knowledge enables many interesting applications.



Mathematics not only the language of science but is indispensably linked to our day-to-day life. From the homely budget to the launching of space shuttles mathematics provides the tools for structure of and ground shaping our worldview. It is ubiquitously present in other branches of learning- helpful in generating 3D graphics, predicting stock markets, modeling physical theories, design, architecture and numerous other applications. Mathematics comes in varying flavors of Pure Mathematics, Applied Mathematics, Mathematical Physics, Statistics and Mathematical Finance.



Specialization

Physics

Physics is a fundamental science. Physics is a branch of science which studies motion, matter, heat and light. Physics makes extensive use of Mathematics to develop mathematical model to study physical reality. Physics has not only expanded the horizons of tradition of learning but also affected a technological revolution. Consequently Physics has had an unimaginable impact on human society.

The BSc Honors in Physics is slightly different with a focus on developing research skills in its approach as it emphasizes abstract theoretical concepts giving a taste of the academic career. Students inquisitive towards fundamentals of Physics and Mathematics will find this course most useful. Advanced analytical ability would serve to succeed well in this course. It inculcates a number of transferable skills highly sought by employers.

SCOPE AND HIGHLIGHTS

Physics is a fundamental science which studies motion, matter, heat, sound, electricity and light. It makes extensive use of Mathematics to develop mathematical models in order to study physical reality. Physics is a field which requires skills in lateral and critical thinking - the essential prerequisites of scientific education. It offers huge scope to individuals to indulge in research and academic environment.

The BSc (Hons) degree is a demanding program suitable for those with a strong base in the PCM group. The curriculum exposes students to a number of topics from Newtonian Mechanics and Electromagnetism to Solid State Physics and Nuclear Physics. The curriculum also includes study of Chemistry and Mathematics at desired levels.

The program includes constant lab work, industry and field work, internships, projects and initial research assignments. Experimental work emphasizes the practical aspects and applications of the theoretical concepts. The modern labs at Quantum University provide students a very conducive environment for skill based learning. Besides a very strong job sector, the BSc (Hons) Physics graduates can also take lateral entry in the 2nd year of a BTech program and pursue engineering in any stream of their choice. Alternatively, they can do an MSc program with specialization in any area of Physics. As graduates, they shall be free to do other post graduate programs like MBA, MCA, etc. or appear for exams like Civil Services.

Career oriented graduates have direct opportunities in industry, education, research, finance, teaching and business.

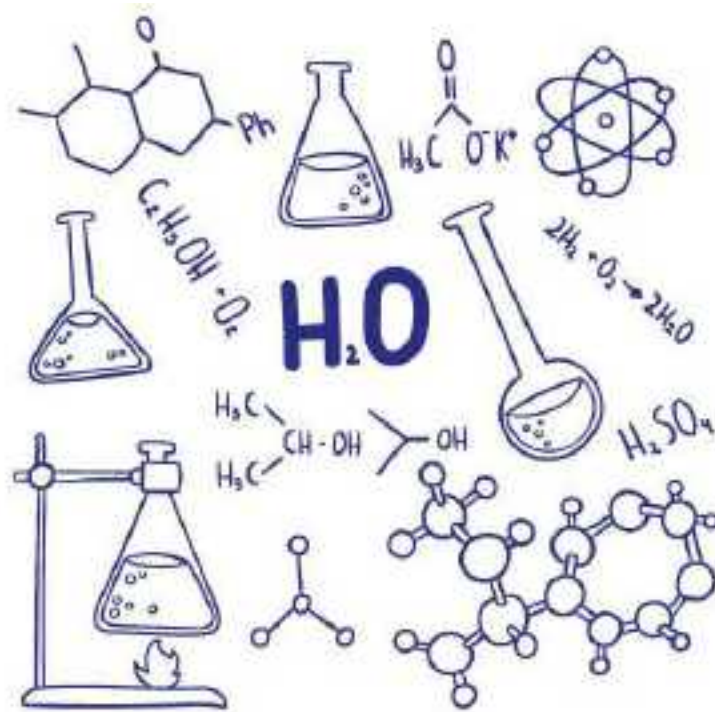
CAREER OPPORTUNITIES

BSc (Hons) in Physics at Quantum University enables students to integrate their knowledge with Computer Science, Electronics, Chemistry and Mathematics so as to excel in educational and industrial areas. They have teaching options at the school level where the shortage of Physics teachers yields good returns. They can also find employment in areas such as Meteorology, Aerospace, Engineering, Oil and Gas, Telecommunication, Applied Electronics, Geo Physics, Nuclear Physics, etc.

To pursue a career in academics, particularly higher education, a post graduate degree is recommended. If it could be complemented with a PhD, there is an assured option as a faculty in degree colleges as well as engineering colleges. A number of other job profiles are open to BSc Physics students. The entry level jobs include Lab Technician, Maintenance Supervisor, Analytical Chemist, Production Supervisor and Technical Writer. With some useful work experience, Physics graduate can get higher roles with very good returns as Demographer, Statistician, Programmer, Data Analyst, Systems Analyst, Design Engineer and Research analyst.

Those with an entrepreneurial streak go on to successfully establish businesses dealing in lab products and equipment or become consultants for industry and educational institutions. Some have even established private labs to help the industry with research and compliance with bodies such as BIS (formerly ISI).





Specialization Chemistry

The science of Chemistry is in essence a study of matter. Chemistry focuses on the physical and chemical structure of the matter. As such Chemistry is a fundamental field of modern science. The science goes further to understand the atomic structure and molecular interaction of matter. Ultimately this knowledge enables many interesting applications.

Chemistry has emerged as the cornerstone of industrial processes. Consequently it is the basis of economy and wealth. It is owing to the science of Chemistry that we are reaping the fruits of the industrial revolution. As such chemistry advances fields like health, medicine, environment, energy, food, agriculture, and materials technology.

Chemistry is essentially an experiment-based science. People, who like to test theories, work in the lab and design practical solutions will find Chemistry especially fascinating.

SCOPE AND HIGHLIGHTS

Quantum University lays great focus on interdisciplinary Education and its reliance on disparate ideas. Along with Chemistry, one can choose an unrelated subject of one's choice such as Environment, Entrepreneurship, Computer Applications, etc. and greatly improve the probability of employment. Chemistry echoes this since it not only provides a rigorous study of the science itself but endows the student with valuable transferable skills.

Chemistry is quite exciting as it is a lab oriented subject relying on practical hands-on work experience. Students can avail this experience at state-of-the-art labs at Quantum University. Such an exposure is particularly valuable in the job market. A BSc degree introduces the students to concepts like Chemical Thermodynamics, Chemical Kinetics, Reaction Mechanism, Functional Groups, Molecular Spectroscopy, Physical Chemistry, and Organic Chemistry. An undergraduate degree in Chemistry is the foundation of varied profiles in sectors like Pharma, Chemical, Glass, Rubber, Cement, Environment, Paper, Plywood, Food Processing, Fertilizer and many similar industries.

After completing the program, there is a huge scope for entry level employment across a range of industries. Those keen on research or teaching often pursue masters' programs followed by PhD.

Some of the specializations of Chemistry that can be pursued are Materials Chemistry, Environmental Chemistry, Organometallic Chemistry, Bio-Chemistry and Industrial Chemistry.

CAREER OPPORTUNITIES

The BSc (Hons) Chemistry program at Quantum University, besides giving students a sound domain knowledge, also imparts several numerical, analytical and soft skills that assist graduates to build careers in diverse sectors in different capacities.

After completing the program a number of bright opportunities may open up. The spurt in the manufacturing sector has given a great impetus to chemicals industry and pharmaceuticals. A graduate in Chemistry is readily employed in these sectors. Another sector where these graduates are in good demand is the food processing industry. It is a sunrise industry with a sound growth trajectory that shall offer huge employment to such graduates over the years.

Traditionally, graduates in Chemistry have been employed in the oil and natural gas, fertilizer, glass, paper and plywood industry. Most of these are in robust shape and continue to offer rich employment to these graduates. The profile of a Chemist in Analytical and Bio-medical techniques is the most natural setting for a Chemistry graduate to perform and grow. With a diversification of the industrial sector they are being prominently hired in the roles of Production Associate, Industrial Researcher, Materials Technologist, Quality Controller, Production Officer and R&D Manager.





Specialization **Mathematics**

Mathematics is not only the language of Science but is indispensably linked to our day-to-day life. From the homely budget to the launching of space shuttles, Mathematics provides the tools which go on to shape our world view. It is ubiquitously present in other branches of learning - helpful in generating 3D graphics, predicting stock markets, modeling physical theories, design, architecture and numerous other applications. Mathematics comes in varying flavors of Pure Mathematics, Applied Mathematics, Mathematical Physics, Statistics and Mathematical Finance.

The BSc (Hons) Mathematics course is designed to develop an understanding in fundamental Mathematics. This degree also develops applied approach where the mathematical theory is used in real world scenario. Students fascinated by numbers, patterns, and data interpretation are suitable candidates for the BSc Mathematics program.

SCOPE AND HIGHLIGHTS

Mathematics is a truly interdisciplinary subject which opens access to almost any advanced course in the world. A BSc in Mathematics can provide students a successful career in academics with Masters and PhD degrees. These fields range from pure or applied Mathematics to Science & Engineering. More choices are available in allied fields like Computers, Business, Banking, Economics, Information Technology and Actuarial Science.

This course at Quantum University endows the student with conceptual, theoretical, analytical, and computational skills related to Mathematics. The degree course deals with an array of mathematical topics. These include Geometry, Algebra, Calculus, Statistics, and Probability. Advanced topics include Multi-variable Calculus, Differential Equations, Complex Analysis and Numerical Analysis. More abstract concerns include Functional Analysis, Group Theory, Real Analysis and Linear Algebra.

A number of applied topics are also dealt with to impart a practical flavor to the course. Such topics are Applied Probability, Modeling, Mechanics and Mathematical Physics. On completion of the program the student shall be ready for the job as well as for higher education both within and outside the domain.

CAREER OPPORTUNITIES

Mathematics builds analytical and logical thinking and is hence highly valued in a variety of domains. Apparently, all areas of Science and Technology make extensive use of Mathematics and hence this degree can pave way for many challenging careers. A BSc Mathematics degree is most beneficial to support a research career in pure and applied Science.

The field of applied Mathematics is bubbling with opportunity where real life problems are solved via mathematical modeling. These fields are numerous such as Stock Market, Military Strategy, Computers, Banking and Technology.

Some modern fields which make extensive use of advanced Mathematics are Artificial Intelligence, Actuarial Science, Data Analytics, Cryptology, Algorithm and Internet of Things. The modern theoretical Physics relies heavily on Mathematics, one such example being the String Theory.

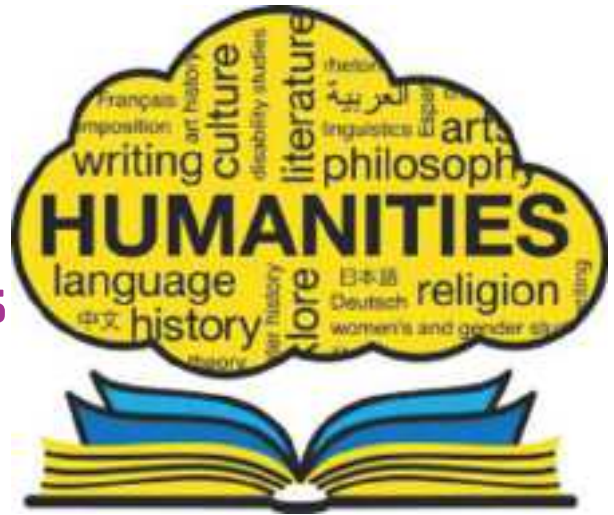
A Mathematics degree empowers students to crack competitive exams providing entry to numerous job profiles available in the public sector. UPSC and the PCS cadre recruitments is a popular option.

There are a number of jobs which directly relate to BSc Mathematics degree such as Teacher, Software Tester, Programmer, Investment Analyst, Statistician, Systems Developer, Financier and Surveyor.





Department of Humanities & Social Sciences



B.A (H) Three Years Program 30 Seats

Specializations

English / Economics / Psychology

Vision

To be a transformative center of humanities and social sciences education, fostering critical thinking, cultural understanding, social awareness and universal tolerance, empowering students to become compassionate leaders and catalysts for positive societal change.

Mission

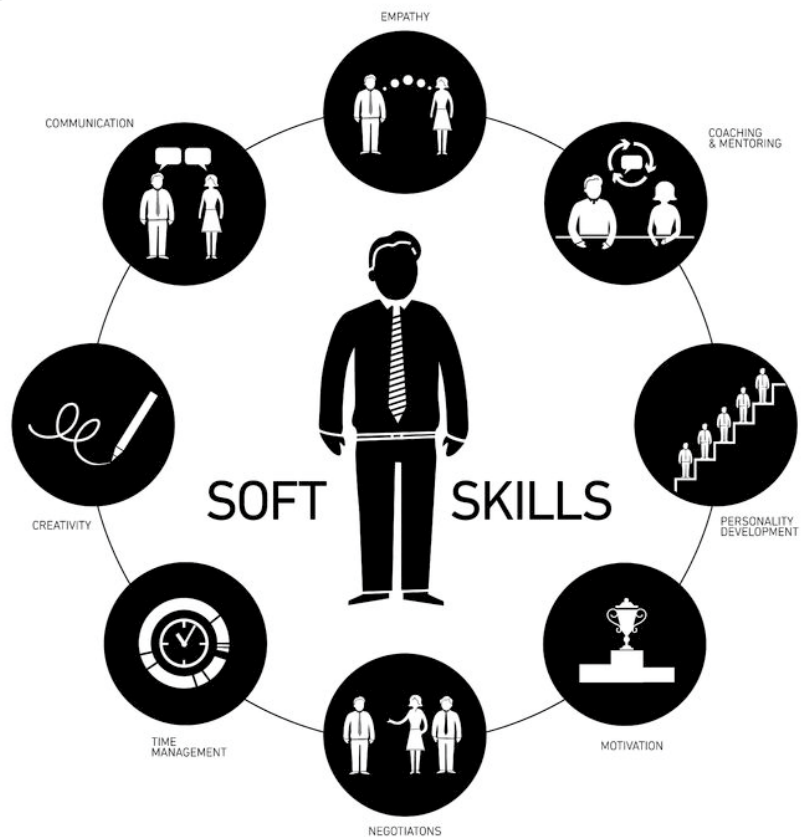
- M1. Provide a comprehensive education in humanities and social sciences, encompassing diverse disciplines and interdisciplinary perspectives.**
- M2. Cultivate critical thinking, cultural sensitivity, and empathy to address social, cultural, local and global challenges.**
- M3. Promote ethical values, social justice, and inclusive practices to foster a more just and compassionate society.**
- M4. Collaborate with communities, organizations, and policymakers to engage in advocacy, participative learning, and initiatives for positive societal and sustainable development.**

The predominance of the English language in today's world facilitates an entry into a number of fields. It is the preferred language of science, engineering, business and many fields of human activity. It helps us explore intricate ideas to expand our minds and grow.



Economics is a science which studies the production, consumption and distribution of goods as well as services. A BA Economics merely focuses on theory while an honours course deals with some specialized topics to prepare for higher study.

B.A Psychology is an undergraduate course which introduces the students to the study of psychology. Psychology can be defined as a study of behavior, mind, and mental conditions of human beings. To this end Psychology involves study of mental processes, motives, reactions, feelings, conflict resolution, crisis management, group think, motivation, and nature of mind.



Specialization English

The predominance of English language in today's world facilitates an entry into a number of fields. It is the preferred language of Science, Engineering, Business and many fields of human activity. It helps us explore intricate ideas to expand our minds and grow.

The Bachelor of Arts - BA (Hons) in English is a three year graduate program. The BA course aims to open the doors of imagination and creativity. The program would best suit students with a passion for literature.

SCOPE AND HIGHLIGHTS

An honors degree in English is a very coveted program as it is a passport to a very rewarding career. It is an all-pervasive competence that brings innumerable opportunities in myriad fields.

The program entails the study of English Literature and language in a very functional manner at Quantum University. The curriculum curated by some of the best exponents in the domain is an interesting synergy of the classical and the contemporary. The purpose is to prepare thoroughbred professionals who will love the language, apply it in all its variants and carve a niche career for themselves in the process.

The program includes, in desired measure, different genres in Literature such as Fiction, Drama, Poetry and Language. Literature will tackle masterpieces from Greek tragedies to American Literature. Also, Indian English Literature will be studied intensively as different topics including Indian Vernacular Literature, Indian Literature in Translation and Post-colonial Literature.

Due emphasis on the finer nuances of the language syntax, phonetics, creative writing and also the current formats of applied writing are an integral part of the program structure.

CAREER OPPORTUNITIES

The foremost focus of the BA (Hons) program in English at Quantum University is to ensure the proficiency of a student in all formats of the language. A skilled English graduate is very well received across different domains, some of which include writing, advertising, aviation, education, marketing, public relation, corporate communication, proof reading, journalism and mass communication and training.

Professionals, both in job as well as freelancers, have done exceedingly well as Digital Copywriters, Editorial Assistants, Magazine & Newspaper Journalists, Web Content Managers, School & College Teachers, Corporate Public Relation Officers, Front Office Executives in hotels and airlines. Some of them have gone on to become very successful soft skills trainers in corporate as well as academia. The relatively newly established outsourcing industry is in perennial need of graduates with a good command of English language and has generated mass employment for young graduates.

Graduates can apply for jobs in the Government sector via competitive exams like the Civil Services. In fact, English is a very preferred subject for the coveted Civil Services and the curriculum at Quantum ensures a fair amount of preparation for the same. Likewise, the Banking and Insurance Sector also absorbs English graduates in large numbers. People good at translation skills can be employed in publishing houses. The fields of Teaching and Research are always open for them. The strengthening of the electronic media has also opened a number job profiles for English language graduates such as Reporter, News Writer, Scriptwriter, News Reader, TV Announcer and Anchor. In short, the opportunities before such graduates are huge and a rewarding career awaits them.





Specialization **Economics**

Economics is a science which studies the production, consumption and distribution of goods as well as services. A BA Economics merely focuses on theory while an honours course deals with some specialized topics to prepare for higher study.

This is a three-year program designed to match the expectations of corporate world. It focuses on problem solving via the quantitative and analytical approach. It is specifically designed keeping in perspective the business and management needs of the economy.

The overall aim of the BA (Hons) Economics program is to train students in the theoretical and practical aspects of the economy. The faculty of critical analysis will be developed and encourage applied research upon economic issues. This will ultimately provide deeper understanding of a modern economy.

SCOPE AND HIGHLIGHTS

An Honours undergraduate degree in Economics at Quantum University is a very valuable program that opens an exciting new world of opportunities for graduates both nationally and internationally. The program has been specially designed along the latest in the field to inculcate industry readiness in the graduates. It delves into subjects like Econometrics, Economic Modeling, Micro-Macroeconomics, Indian Economy, Environmental Economics, Corporate Strategy, Tax Strategy, Money Markets, Accounting, Industrial Organization & Comparative Economic Development.

After completing the program, students will expertly deal with economic systems dealing with money and banking. They will confidently use the quantitative-analytical methods for studying comparative economics and application to industry. This exercise will also enhance communication skills, lifelong learning, and personal development.

There is a promising scope for the BA Economics students to foray into the job market with agricultural companies, economic research institutions, stock exchanges, banks, international trade companies and many other sectors. Alternatively, a student can pursue an MA program in Economics for specialization in related fields. PhD in Economics is also a desirable option leading to appointments with the government and the private sector.

The program can be studied with various combinations of subjects under the interdisciplinary method. Subjects such as Entrepreneurship, Digital Marketing, Computer Science, Cyber Security, etc. may be taken up over different semesters along with Economics to broad-base one's options.

CAREER OPPORTUNITIES

The world has already recognized the importance of economic success in the modern world of business. With globalization and competing world economies, economists are urgently needed as much in preparing government policies as in business for Policy Analysis, Forecasting and Survey.

An unprecedented number of job opportunities are now available for graduate in Economics. The BA Economics (Hons) program at Quantum University provides high professional competence for employment in different sectors including government through the Indian Economic Services, Banking, Insurance, Stocks, Retail Management, Investment, Finance, Import-Export and Manufacturing sector. Students can also pursue a masters' in Economics and even look at global assignments with organizations like the United Nations.

The degree provides ample chance for careers with government via Civil Services. There are a number of opportunities to work with elite organizations like Reserve Bank of India, Planning Commission, Customs Department and the Ministry of Economic Affairs. The burgeoning banking sector is a major source of rewarding employment.

The degree in Economics can enable graduates inclined towards journalism to seek successful careers in newspapers or news channels as experts on business and economic affairs. People oriented towards self-employment can work as entrepreneurs, analysts, consultants and researchers.



Specialization Psychology



BSc Psychology is an undergraduate course which introduces the students to the study of Psychology. Psychology can be defined as a study of behavior, mind, and mental conditions of human beings. To this end Psychology involves study of mental processes, motives, reactions, feelings, conflict resolution, crisis management, group think, motivation, and nature of mind.

The world is constantly changing in its social-economic, political and cultural landscape thereby rendering human life more complex. These events continually impact human behavior producing depression and anxiety.

Aspiring students should possess the 3 P's of Psychology - Patience, Perseverance and Passion. These are the essentials to understand the patients. Moreover they should have scientific aptitude and analytical thinking to help in diagnosis and devise solutions for their maladies. Good communication skills are also an asset.

SCOPE AND HIGHLIGHTS

The changing socio-economic environment resulting in urbanization, breakdown of joint family and many similar factors have led to the growing need of professional psychologists. More and more students are aspiring to study Psychology which not only helps them understand human behavior better, but also offers them opportunities for very rewarding careers. Main subjects of this course are Clinical Psychology, Abnormal Psychology, Aging & Adulthood and Social Development Psychology. The focus of study is on knowledge of Personality Theories, Human Behavior, Psychological Methods, Biological and Cognitive Psychology, Evolution, Learning, Memory and Perception, Intelligence and Psychometrics, Psycho-pathology and Neuropsychology.

Students actively learn to investigate dynamic interrelations of man and environment. The entire learning experience comprises of theoretical knowledge tested in laboratory and applied in field trips. The curriculum at Quantum also includes training in techniques of Diagnostics, Psychotherapy, and Rehabilitative Services. Learners would appreciate the mechanisms of the mind and its behavior. Students would identify relationships linking Psychology to other natural and social sciences. Graduate students can pursue studies at the master's level to focus on a specific subject of interest like Child Psychology, Social Psychology, Clinical Psychology, Health Psychology, Developmental Psychology and Organizational Behavior. This can be extended to research work via MPhil and PhD degrees. The doctoral programs are a good entry to research career and the teaching profession. Students aiming for a professional career as psychologists must complete their PhD degrees and earn a state license for practice among patients.

CAREER OPPORTUNITIES

A psychologist has immense scope for independent work. In this capacity they can chart out their own work schedules, association with organizations and research plans. However independent work as a psychologist needs a license which requires a doctoral degree, extensive internships and work experience.

The graduate Psychology students can work in Drug Trials, Market Research, Schools, Hospitals, Clinics, Social Research, Advertising or Pure Psychometric Testing. The field of Disaster management is a budding field of opportunity for such graduates.

An increasing number of organizations in the world are hiring psychologists to help their workers maintain a healthy work routine. Almost all elite organizations have a dedicated psychologist to evaluate the mental well being of the worker. Psychology clinics are also a good source of employment. The work ranges from diagnostics to counseling routines. These professionals help the workers to develop a healthy balance between work and personal life. This maximizes worker potential and output.







Quantum
School of
Business



School of Business

Department of Business Administration

MBA

60 Seats

Specialization in

**Finance, Marketing, IB, HRM, Supply Chain &
Operations Management, e-Commerce**

BBA

150 Seats

Specialization in

**Finance, Marketing, HR, Import & Export
Management, Digital Marketing, Retail,
Tourism, Hospital Management**

Get ready for some real business experience. Welcome to Quantum School of Business, a very vibrant and fantastic setting for you to immerse yourself in both academic as well as practical side of the business world.



Quantum School of Business has consistently been ranked the No 1 MBA College in Dehra Dun and Uttarakhand. Moreover, our unique Inter-disciplinary pedagogy allows you to follow your passion in Photography, Music, Dance, Theater and much more along with your MBA leadership program.

Being one of the most preferred B-Schools in North India (IMRB International, The Week, Careers 360) and

Dehra Dun, we are known for a fresh and innovative approach to business studies, and also for a strong industry interface. Quantum is considered as the top B-School of India and Dehra Dun. Your employability being our top priority, the MBA program at Quantum School of Business ensures a substantial simulation of the real business environment and project based learning. You shall emerge as a very confident, highly skilled professional to join the corporate world or to become an entrepreneur and follow your dreams.



Department of Business Administration

MBA Two Years Program 60 Seats

BBA Three Years Program 150 Seats

Vision

To be a resourceful center for business education, nurturing ethical and visionary leaders with a global mindset, equipped with comprehensive knowledge, skills, and innovation to face challenges, drive sustainable growth and create a positive impact in the business world.

Mission

- M1. Provide a holistic, interdisciplinary business education that emphasizes core principles, critical thinking, and practical application.**
- M2. Foster an entrepreneurial and innovative mindset, enabling students to adapt to dynamic business environments.**
- M3. Cultivate ethical and socially responsible business practices, emphasizing sustainability and stakeholder engagement.**
- M4. Collaborate with industry and academia to offer experiential learning, internships, and networking opportunities for industry readiness and professional growth.**

Gain a thorough understanding of the global economic, environmental and social challenges that are redefining business and the role of the professional manager

Learn how emerging and innovative businesses, new economic models and new enabling technologies impact on business strategies, and how professional managers can exploit them to drive innovation and profitable growth.



Enjoy an outstanding business and management education in a dedicated, highly supportive facility, surrounded by a beautiful natural environment

Acquire practical professional skills that will help you grow and build businesses, anything from start-ups to long-established organisations

Transform your future. Explore new directions, learn and develop your own potential, and become the leader and the person that you truly want to be.



MBA

Two Years Program

Specialization in
Finance, Marketing, IB, HRM, Supply Chain
& Operations Management, E-Commerce

An MBA program is not about just a college degree. It must hone your skills to understand the highly competitive and complex business landscape of the world. Its about leadership based on competencies that lead to better profitability, optimization of resources, increased productivity and the ability to translate strategy into results. It is about acquiring the ability to lead in turbulent times.

A Quantum MBA strongly equips you to gain a critical understanding of functional areas of business, enhance your spirit of enquiry and to take a leadership role in developing solutions in an ever-changing business environment across the international stage.

ELIGIBILITY

Graduation in any Stream with minimum 50% in Graduation with valid CAT/MAT/XAT Score and GD/PI/Cleared University examination.



THE QUANTUM MBA WILL ENABLE YOU TO...

- Gain a thorough understanding of the global economic, environmental and social challenges that are redefining business and the role of the professional manager.
- Learn how emerging and innovative businesses, new economic models and new enabling technologies impact on business strategies, and how professional managers can exploit them to drive innovation and profitable growth.
- Enjoy an outstanding business and management education in a dedicated, highly supportive facility, surrounded by a beautiful natural environment.
- Acquire practical professional skills that will help you grow and build businesses, anything from start-ups to long-established organisations.
- Transform your future. Explore new directions, learn and develop your own potential, and become the leader and the person that you truly want to be.



VALUE-ADDED, CERTIFIED CORPORATE TRAININGS

One of the most defining features of MBA at Quantum is a host of value-added, certified corporate trainings for different specializations delivered over the semesters. These are often passports to good job markets. The schedule and nature of these trainings keep evolving as per industry requirements. Some of the recent trainings include...

- Transport & Logistics Management
- Primary Data Analysis through SPSS
- Business Analytics
- Industrial Relations & Labour Laws
- Retail Operations Management
- Compensation Management
- MS Excel
- Accounting Information System through Tally
- NCFM: Financial Market/Mutual Fund Module.

OPTIONALS





MBA - More than Meets the Eye

STUDENT EXCHANGE PROGRAM

Quantum facilitates a student exchange program with colleges across India for experiential learning - a wonderful opportunity for you to exchange ideas and knowledge beyond the campus.

CONFERENCES & SEMINARS

New technologies, new management trends and new ideas at work are demolishing established notions and practices like never before. Quantum diligently plays its role in generation of new ideas & knowledge and in constantly transmitting updated skills and knowledge to you through conferences and seminars.

OUTBOUND LEADERSHIP PROGRAMS

The program creatively uses nature as a backdrop for confidence and team building. You are made to go through various outdoor activities like white-water rafting, repelling, trekking, camping etc where you are required to face challenging situations as individuals and as teams. This helps you hone your skills in communications, leadership, teamwork, planning and delegation.

BUSINESS SIMULATION WORKSHOPS

Corporate professionals conduct highly interactive business plan workshops for you. They simulate real business plans, challenge your thought and in the process mentor you through experiential learning. The workshops greatly enhance your employability skills and entrepreneurial spirit.

LIFE-SKILLS WORKSHOPS

The MBA program at Quantum encourages an interdisciplinary approach to real-life learning. You shall have opportunities to participate, along with engineering students, in life-skills workshops to equip yourself for a self-reliant future.

INDUSTRIAL VISITS

Industrial visits are an integral part of the MBA curriculum. The purpose is to integrate you with the actual working methodology at shop floor level, decision making, strategic maneuvering, etc. Quantum has MoUs with a range of industries that provide practical industrial skills to you. This includes absorbing the students for summer training, projects and final placements.



INDUSTRIES & OPPORTUNITIES AROUND

For budding managers and entrepreneurs, Roorkee has a very formidable industrial infrastructure around it. The SIDCUL at Haridwar and BIA are highly evolved and diversified industrial clusters with the presence of players like Tata, Bajaj, Mahindra, Jubilant, Wipro, Godrej, Unilever, among others. Presence of industries ranging from automobile & pharmaceutical to food processing, packaging, etc, and that of seasoned professionals such as general managers, plant & production heads, HR managers and marketing heads, makes this region a preferred destination for students from across the country.



REGULARLY RECORD PLACEMENTS IN UTTARAKHAND

Quantum School of Business, promoted by a very esteemed corporate house of Uttarakhand, has a keen eye on placements. A dedicated department, called the Department of External Program (DEEPRO), is working overtime to network with the corporate world and facilitate placements under a comprehensive, continual program called i-deserve. Every year, over 35 companies, in different domains, have visited the campus and offered the most lucrative jobs to our MBA students.

YOUR MBA PROJECTS : Consulting with the Real World

SUMMER PROJECT

During the summer break after the second semester, you will follow a six-week compulsory Summer Project with an industry of your choice and submit a project report for evaluation. Quantum School of Business actively facilitates some of the most valuable summer internships with the industry.

MEGA PROJECT

Your real business experience starts with the very first semester itself. You shall be required to undertake a Mega Project that shall run through the first three semesters. This work-based project is in constant interface with the industry, closely mentored and assessed by specialised faculty.

FINAL YEAR RESEARCH PROJECT

The final semester of the MBA program includes a compulsory, major research-based project designed to give you an extensive field exposure in your area of specialization. The project is of huge significance from the placement as well as entrepreneurship point of view.

i-deserve
THE CAMPUS RECRUITMENT PROGRAMME





The Quantum MBA

SPECIAL IN MANY WAYS

Semester I

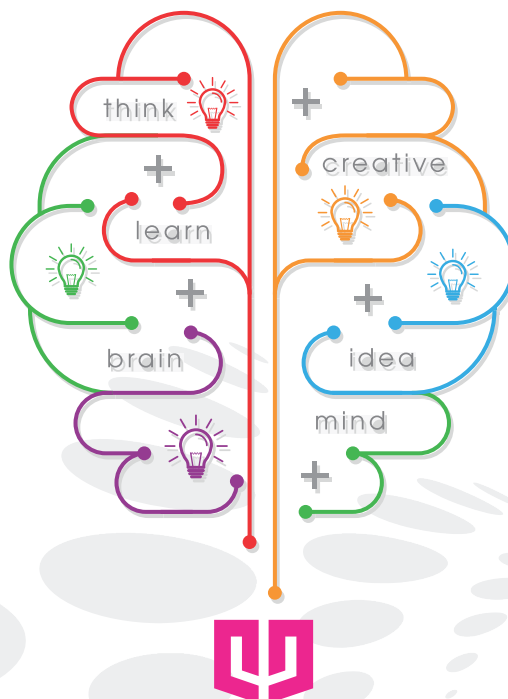
THE FOUNDATION

Principles and Practices of Management
 Financial Accounting
 Statistics for Management
 Managerial Economics
 Organizational Behavior
 Marketing Management
 Professional Communication I
 Basics of Information Technology
 Human Resource Management

Semester IV

THE IMPACT

- a. Two compulsory papers to ensure maximum impact irrespective of the specialization are...
 - i. Project Management
 - ii. Strategic Management
- b. Four elective papers shall further enhance your skills in your area of specialization.



Semester II

THE INTEGRATION

Legal Aspects of Business
 Cost & Management Accounting
 Operations Research
 Business Environment
 Financial Management
 Research Methodology
 Production & Operations Management
 Supply Chain Management
 Professional Communication II

Semester III

THE SPECIALISATION

- a. Two compulsory papers to cover the inter-related elements across various specializations are...
 - i. International Business
 - ii. Entrepreneurship Development
- b. Four elective papers in the respective domains shall ensure specialization in your chosen area.



Value-added, Certified Professional Trainings

Passport to the Corporate World

One of the most defining features of MBA at Quantum is a host of value-added, certified corporate trainings for different specializations delivered over the semesters. These are often passports to good job markets. The schedule and nature of these trainings keep evolving as per industry requirements. Some of the recent trainings include...

- Transport & Logistics Management
- Primary Data Analysis through SPSS
- Business Analytics
- Industrial Relations & Labour Laws
- Retail Operations Management
- Compensation Management
- MS Excel
- Accounting Information System through Tally
- NCFM: Financial Market Module
- NCFM: Mutual Fund Module

Far Beyond the Classroom

The Quantum MBA goes far beyond the confines of a classroom. It diligently engages students in generation of new ideas of knowledge and real life learning through a range of measures that lead to updated skills, elevated professional grooming and building leadership qualities. Some of these measures include...

OUTBOUND LEADERSHIP PROGRAMS

BUSINESS SIMULATION WORKSHOPS

LIFE-SKILLS WORKSHOPS

STUDENT EXCHANGE PROGRAMS

CONFERENCES & SEMINARS

INDUSTRIAL VISITS





Specialization in
Finance, Marketing, HR, Import & Export
Management, Digital Marketing, Retail,
Tourism, Hospital Management

The BBA program at Quantum School of Business aims at providing leadership skills in budding business managers and entrepreneurs. This highly industry oriented program includes assignments, discussions, business plan simulations, presentations, e-learning, live case studies, industrial visits among others. A team of dedicated and experienced faculty with a rich blend of corporate and academic experience monitors the program.

The BBA curriculum offers a comprehensive knowledge of Accounting, Marketing, Global Business, Finance, Human Resources, Information Systems, Organizational Behavior, Logistics and Insurance. Moreover, our unique interdisciplinary study method allows students to follow their passion in Photography, Music, Dance, Theater and much more along with the BBA leadership program.

ELIGIBILITY

10+2 or equivalent in any stream & minimum 45% marks in total.

BBA
Three Years Program



SCOPE AND HIGHLIGHTS

BBA degree introduces a candidate to the first operational fundamentals of business. To this end the BBA curriculum at Quantum University offers a comprehensive knowledge of Accounting, Marketing, Global Business, Finance, Human Resources, Information Systems, Organizational Behavior, Logistics and Insurance.

The highly industry oriented program includes an exciting mix of Case Studies, Business Simulations, Certified Training, Industrial Tours, Field Assignments, International Collaborations and Internships. Quantum University provides ample chance to avail a number of inter-disciplinary combinations to add an extra edge to the BBA course. For instance, they could study a Foreign Language, Tally, Computer Application, Cyber Security or similar options of their choice along with the BBA curriculum. Moreover, the students shall also specialize in one of the fields such as finance, marketing, HR, etc. towards the latter half of their program. This could open immense job possibilities for the young minds. The program not only prepares skilled professionals for the industry but also for further study in business or other areas.



CAREER OPPORTUNITIES

Fresh BBA graduates get the opportunity to work as managers, assistants or executive in fields such as Finance, Human Resource, Information Systems, Public Relations, Administration, Operations and Marketing, where they bring fresh ideas and energy to the work place. With added experience, they move up the business hierarchy to middle management roles that involve strategic decision making and bring good emoluments.

Many popular options and opportunities are available to bright BBA graduates in sectors like FMCG and Consumer Durable Industry (P&G, Nestle HUL, Marico), Banking, Consultancy, Marketing & Advertising Agencies (Lintas, JWT, O&M), Finance (HSBC, Citibank), Import-Export and Information Technology Companies (Wipro, Infosys, Microsoft). The business graduates from Quantum School of Business have been keenly sought in Business Consultancy, FMCGs, Export Houses, Hospitality industry, Business Research and Company Administration among others.

A substantial number of BBA students opt for the MBA program to improve their hierarchy in the corporate world.







Quantum

**School of
Agricultural
Studies**



School of Agricultural Studies

Department of Agricultural Studies

BSc (Hons) - Agriculture Four Years Program 45 Seats

Agriculture is the most dominant sector of Indian economy contributing around 30% of the national income and, directly or indirectly, employing nearly 65% of our population. Its importance by way of food supply, for a populous country like India, can hardly be over emphasized. Moreover, the agriculture sector contributes around 50% of our total exports. Agro products such as tea, coffee, jute, sugar, spices, tobacco, and of late even fruits and vegetables constitute the main items of exports from India. The sector offers huge potential for jobs as well as for entrepreneurship. No wonder, agriculture has always been a very preferred area of study with the students.

The modernization of agriculture, and the growing use of scientific methods of cultivation have created a huge demand for educated and skilled manpower in this perennial sector. Quantum School of Agricultural Studies has been established to cater to this growing need. Through its undergraduate and post graduate programs in agriculture, horticulture and food processing, etc, it prepares very qualified professionals for a range of agro-based careers, ranging from food production to agri business management. Under Quantum University's unique inter-disciplinary program, students even have the option to study subjects such as Entrepreneurship, Economics, Computer Applications, etc, along with agriculture and greatly improve their opportunities for employment.





Department of Agricultural Studies

B.Sc (Hons) Agricultural Studies Four Years Program 45 Seats

Vision

To be a leading centre of agricultural education and research, empowering students with innovative knowledge, sustainable practices, and entrepreneurial skills to address global food security, environmental stewardship, and rural development.

Mission

- M1. Provide comprehensive agricultural education, blending theoretical knowledge with practical skills and hands-on experiences.**
- M2. Foster research, innovation, and technological advancements in agriculture to enhance productivity, sustainability, and resilience.**
- M3. Promote sustainable agricultural practices, conservation of natural resources, and rural livelihood enhancement.**
- M4. Collaborate with farmers, industry, and government agencies to offer community engagement, extension services, and capacity-building initiatives for holistic agricultural development and wellbeing of farmers and other stakeholders of the rural community.**

With Food processing industry becoming a focal point for India, this sector is bound to grow exponentially in the coming years. The course aims at providing expertise to conduct relevant food Research and food manufacturing. This includes inventing ways for of food production. It also includes development of ways to improve food freshness and safety. One important aspect is to maintain quality control of food.



Students can choose to emphasize laboratory-based subjects such as food microbiology and food analysis or areas such as quality assurance or food production and development including sensory analysis. The course develops the students knowledge of food manufacturing and processing, analysis and testing packaging, storage, distribution, legal aspects, sustainability and food security.

Students will ultimately become independent researchers or potential managers, with the ability to critically evaluate food science and apply it to new situations, following either an academic or an industrial related career path.



BSc (Hons) - Agriculture

Four Years Program

India has had a rich agrarian culture. The importance of agriculture is a pre-eminent theme in Indian life. It makes important contribution to our GDP. Agriculture also is a major provider of employment. It goes without saying that agriculture constitutes a paramount factor in ensuring the economic development of the country.

In modern times great advances have been made in the field of science. They have impacted agriculture in a radical way. The modern study of agriculture involves how to employ the methods of science to the activity of traditional agriculture. The aim of BSc Agriculture is to educate and train students in scientific methods to affect agricultural productivity in a sustainable way. The program imparts students the necessary skills to solve practical issues. The curriculum inculcates research activity to sustain development.

Students who have a love for nature and enthusiasm for physical activity are best fitted for this course. The course offers a great opportunity to see scientific theories being applied for the general good and in a way that directly affects the national economy.

ELIGIBILITY

10+2 or equivalent examination with Physics and Chemistry as compulsory subjects along with one of the Mathematics / Biotechnology / Biology and have obtained at least 45% marks in total.

SCOPE AND HIGHLIGHTS

The BSc Agriculture degree is a flagship program at Quantum University which will train professionals of the next generation for a sector which is bursting with opportunity. Graduates desirous of specializing may opt for a master's program. A master's degree later can be supplemented with a MPhil or PhD which would entitle a career in research and teaching.

The master's degree offers a number of specializations in allied fields. These include, Viticulture, Organic Agriculture Systems, Greenhouse Management, Agricultural Education, Fruit and Vegetable Management, Field Crop Management, Agriculture and Food Security, Data Analytics, and Animal Sciences.

The program consists of few core subjects such as Biochemistry, Biotechnology, Agronomy, Soil Science, Plant Genetics, Plant Pathology, Land Surveying, Entomology, Horticulture, Physiology, Food Science, Water Resource Management, and Animal Products Management.

A number of subjects such as Economics, Meteorology, Technology, Business, and Production Management are studied in close reference to the subject.

The hands-on work aspect of agriculture heavily reflects in the unique design of this program emphasized via field trips, study tours and projects.

A BSc graduate is expected to master concepts like Macro-micro Crop Planning, Agri-financing and Agricultural Statistics and use them extensively.

CAREER OPPORTUNITIES

Indian Agricultural sector employs the largest workforce. However, the sector is still underdeveloped and is in need of a professional workforce. The scope of growth in the agriculture and allied sectors, particularly by way of modernization and mechanization, is almost endless.

Agriculture graduates have ample scope for self-employment as new-age farmers in this perennial sector. Moreover, they can also become entrepreneurs as service providers or as product vendors and the sector has seen a number of innovative startups recently.

If one is looking at the job sector, both private as well as public sector offer a vast array of options. The State Agriculture Departments recruit graduates for posts at different levels. A major activity of Government banks involves agricultural loans. Jobs in such profiles are most suitable for Agriculture graduates. Likewise, in the private sector a large number of jobs are available in Rubber Plantations, Tea Gardens, Vegetable Farms, Orchards, Fertilizer Manufacturing Firms, Agriculture Machinery, Food Processing, Agricultural Products and Marketing Firms. People with extensive work experience may work as independent consultants.

An MBA expands the profile considerably so that the field of activity involves Rural Management, Packaging, Finance, Warehousing, Insurance, Transportation, Storage, Grading, Merchandising, Distribution and Sales. This also involves work in the field of wholesale and retail marketing of agricultural products as well as managing private and/or cooperative businesses that sell or consume products of farmers.







Quantum

School of
Media Studies
& Design



School of Media Studies & Design

Department of Media Studies

BA (Hons) - Journalism & Mass Comm 15 Seats

B.Sc - Animation & VFX 15 Seats



The Quantum School of Media Studies and Design is an effort to empower students to engage with their creative energies in the design space. Media studies are a challenging field which greatly dictates the thinking and perception of society. They are not just responsible for the dissemination of information but also impact public opinion, political agendas, societal reforms and economic scenario. A democratic society can only stand on the shoulders of a healthy media.

In the present information age all data and information has to be verifiable and presentable. In other words it has to be designed well. The design may involve different formats but aesthetics is the supreme element. The field of design deals with presenting content in a lucid and intuitive manner. The entire effort must be in sync with the evolving media industry on a global front.

Students are exposed to Media Theory, Media

Technology and Media Business. The course curricula provides a vibrant mix of technical tools and pedagogy to practice the techniques of Public Interaction, Creative Art, Media Analytics, AV Multimedia Design, Digital Media, Interaction Processes, 3D, Virtual Reality, Animation, Virtual Studio and Multimedia Creation. Our programs prepare students to advance in almost any career direction in Media & Design. Ultimately the creative sensibility of the students is enhanced to a level where they can pursue independent work and research based studies.

The pedagogy involves a mix of lectures, self-study, workshops and project work. Quantum School of Media Studies and Design inculcates many novel features in its pedagogy and curricula. The courses will be offered in tune with interdisciplinary learning to foster a multifaceted learning strategy. Students achieve greater flexibility in learning via the Major and Minor programs.



Department of Media Studies

BA Journalism & Mass Comm Three Years Program 15 Seats

BSc Animation & VFX Three Years Program 15 Seats

Vision

To be a pioneering centre of media education that provides unique learning experience; fosters creativity, innovation, critical thinking, and cultural understanding free of biases to raise responsible professionals in a rapidly evolving media landscape.

Mission

- M1. Provide comprehensive media education encompassing theory, practical skills, and hands-on experience across various media platforms.**
- M2. Foster creativity, critical analysis, and ethical practices to prepare students for diverse careers in media and communication industries.**
- M3. Promote cultural sensitivity, media literacy, and social responsibility in media content creation and dissemination.**
- M4. Collaborate with industry professionals, media organizations, and communities to bridge academia and industry gap, preparing students for real-world challenges and opportunities.**

The modern society is nothing without the far-reaching effects of Journalism and Mass Communication. The undergraduate mass communication course is meant to introduce students to the highly active and lively area of media and communication. Mass Communication today is a much broader domain encompassing radio, television, films, magazines, newspapers, advertising, branding, and internet. This is one of the most interesting and challenging fields to work in. Students with sound communication, critical thinking, creativity, and analytical thinking can opt for this career from top mass communication colleges but choosing the right Mass Communication College in Dehradun, Uttarakhand



Animation is the basic technique to create the illusion of motion out of simple images. VFX is an abbreviation for visual effects is a much wider term. VFX involves execute live realistic Imagery or environments which would be impractical or impossible to achieve with film.

Artistically inclined and creative Students are most suited for the course. A vivid imagination, drawing skills and modeling capability would prove helpful in getting the most out of the course. An Eye for detail, observational skills, Patience and Concentration and team work are other helpful qualities.



BA (Hons) Three Years Program **Journalism & Mass Comm** 15 Seats

The BA (Hons) Journalism & Mass Communication is a course offered at the undergraduate level meant to introduce the student to the allied-intersecting fields of Journalism and Mass Communication. It must be realized that Journalism concerns the process of mining meaningful information usually conveyed via printed or electronic media. Mass communication is a broader domain encompassing radio, television, films, magazines, newspapers, advertising, branding, corporate and internet to convey information.

This is a challenging field suitable for individuals possessing critical thinking, linguistic creativity, investigative capability and a sense of social responsibility. Good presentation and communication skills are an added advantage. A good command of languages adds edge to the learning process.

ELIGIBILITY

10+2 or equivalent examination in any Stream & minimum 50% marks in total.



SCOPE AND HIGHLIGHTS

The BJMC curriculum imparts a core knowhow of Print Media, Television, Digital Media, Culture, Politics, Economics, Reporting and Historical Context. The curriculum at Quantum University has been tailored to impart technical skills in interpreting and conveying in a most effective manner. Quantum University has developed a course work which is an eclectic mix of lectures, interactive seminars, computer based pedagogy, guest lectures project work and industrial training.

Students will learn to print newspapers and develop and execute content for television, radio, print media and web. The student is also acquainted with production of films and documentary. There will be a focus on the use of software prevalent in industry. A BJMC degree allows a person to pursue a master's degree from amongst Management Studies, Advertising, Marketing, Media Studies, Public Relations, Broadcast Journalism and Convergent Journalism.

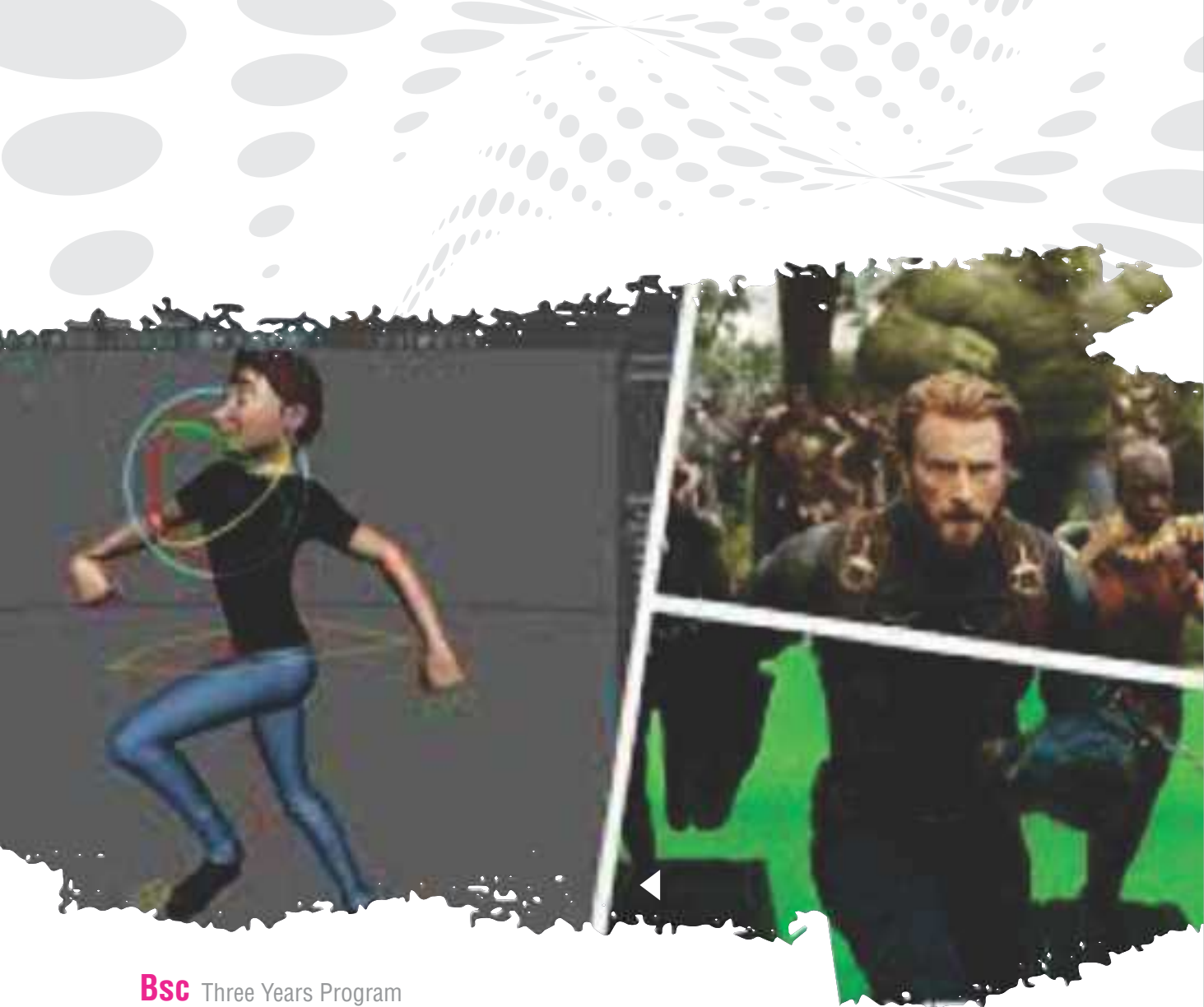


CAREER OPPORTUNITIES

The growing dominance of IT has provided an unprecedented push to Journalism and Mass Communication with fantastic careers waiting for BJMC graduates. This is evident in the massive growth in radio stations, television channels, internet users and much more. The field promises a dynamic career full of challenges and possibilities.

A BJMC degree opens opportunity in Journalism, Newspapers, Publishing, Advertising, Broadcasting, and Public Relations. Other fields of interest include Publishing of Journals and Books, Advertising, Direction and Editing, Central Information Services, News Agencies, Newspapers and Radio Telecasting Companies. People desirous of an independent career can write, produce or direct content for different media. They can launch their own media houses or advertising firms. A number of other profiles include TV Reporter, Special Correspondent, Screenwriter, Art Director, Sound Engineer, Editor, and Photojournalist.





Bsc Three Years Program
Animation & VFX 15 Seats

Animation is the basic technique to create an illusion of motion out of simple images. VFX, an abbreviation for Visual Effects, is a much wider term. VFX involves execute live realistic imagery or environments which would be impractical or impossible to achieve with film.

Artistically inclined and creative students are most suited for the course. A vivid imagination, drawing skills and modeling capability would prove helpful in getting the most out of the course. An eye for detail, observational skills, patience and concentration and team work are other helpful qualities.

ELIGIBILITY

10+2 or equivalent examination in any Stream & minimum 50% marks in total. Merit in NID DAT (Prelims) will be given preference.



SCOPE AND HIGHLIGHTS

The BSc program in Animation & VFX is in huge demand among students looking at a flourishing career in the ever expanding multi-media industry. The spectacular special effects of movies like Jurassic Park, Avatar or our own Bahubali owe their unprecedented success to Animation & VFX professionals. It offers an in-depth understanding of Illustration, Modeling, Photography, Cinematography, Motion Graphics, 3D Art, Rotoscopy and Stereoscopy. The pedagogical structure of the course at Quantum University is built around theory, practical work, seminars, field work, and live projects straight from the media industry.

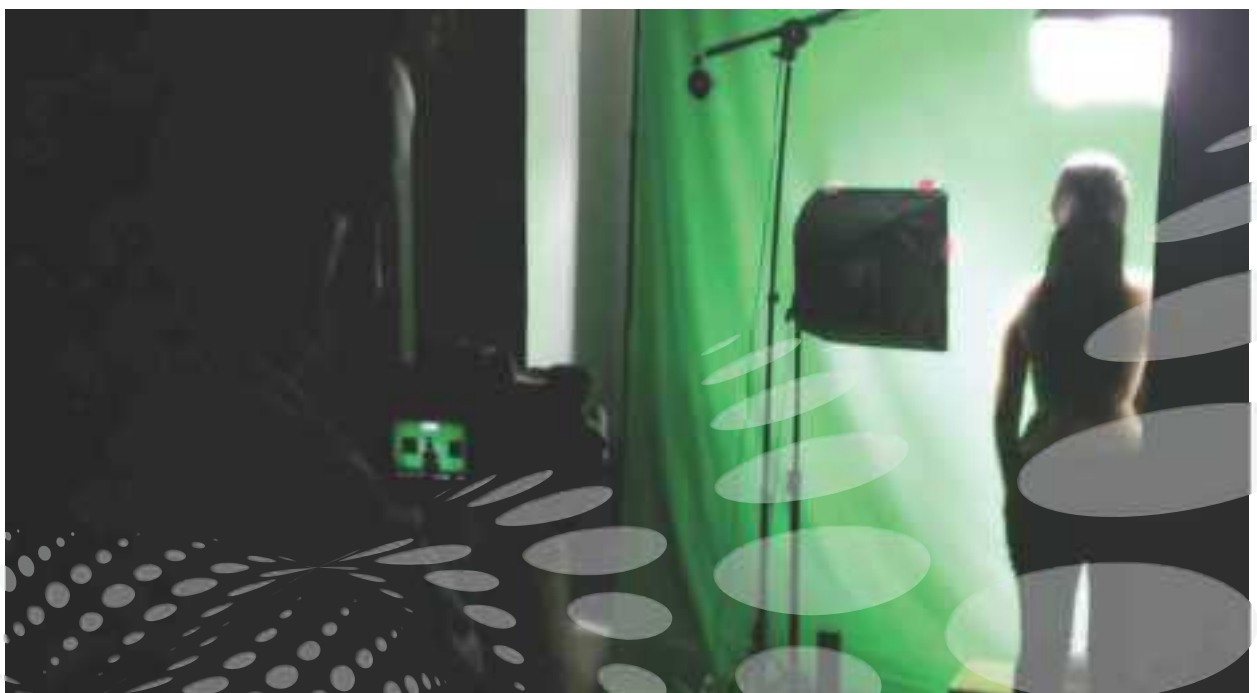
The curriculum is a delightful combination of Applied Science, Design and Art. The student will learn the fine points of story boarding, lighting, modeling and texturing. The curriculum enables students to use cutting edge software such as Sound Forge, Adobe Premiere, Autodesk, Flash, Maya and Final Cut Pro to become highly industry-ready. The learner also learns the basics of script writing and post-production.

CAREER OPPORTUNITIES

Animation & VFX is the staple of modern day entertainment and media experience ubiquitous in films, television, video games and internet. Reports indicate that the animation market is valued at approximately US \$247 million in India with an estimated yearly growth of 15-20%. The scope of the craft is almost endless and is growing at a phenomenal pace with each day.

Animation & VFX graduates are employed in Film and Television Companies, Animation Studios, Advertising and Media Houses. Learners who have reached a high level of expertise have ample opportunity for setting up entrepreneurial ventures or work as freelancers.

Some popular profiles include Director, Script Writer, Editor, Production Designer, Sound Designer and Interface Designer. Entry level work includes Illustrator, Animator, Story board Artist and Digital Painter.





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Welcome
Delegates
and Guests to



Quantum
School of
Health
Sciences

School of Health Sciences

Department of Pharmacy

D.Pharma 60 Seats

B.Pharma 60 Seats

Department of Applied Sciences

B.Sc - Nutrition & Dietetics 20 Seats

M.Sc - Nutrition & Dietetic 12 Seats

Department of Paramedical Sciences

Bachelor in Medical Radio & Imaging Technology 30 Seats

Bachelor in Medical Laboratory Technology 30 Seats



The School of Health Sciences has been set up with the vision to expand educational vista in the domain of medicine, paramedical, nursing and allied fields. The School wants to develop competency-based curricula in different divisions of Health Sciences to disseminate relevant health related knowledge in the public. Ultimately this would foster a culture of research to further alleviate the general disease related afflictions. The school will deliver the professionals of the next generation who can tackle the challenges of this growing sector on a national, international and local stage.

The curricula have been designed with innovative vision supported by a vibrant pedagogy and state-of-the-art infrastructure. Students will gain hands-on practical skills so that they can effectively perform the necessary clinical practices. The cutting edge laboratories train learners into the use of the most advanced tools in diagnostic and testing and specialized treatment equipment. The highlight of the programs is that the curricula aims to develop a holistic vision of healthcare. Hence students will be taught to care for the physical, mental and spiritual health of the individual.

Our graduates can seek employment in hospitals, health centers, rehabilitation centers, polyclinics, industry, training institutes in India and overseas. The individual can pursue independent work via entrepreneurial setups or consultancy. Research studies and academic work is also possible with suitable training.

School of Health Sciences at Quantum University will deliver education on the methodology of inter-disciplinary education. Inter-disciplinary learning is a revolutionary idea which tries to infuse different perspectives of learning in one single learning goal. This style of learning betters the critical and problem solving ability. The system accommodates multiple specializations via Major and Minor degrees.





Department Pharmacy



BPharma Four Years Program

60 Seats

DPharma Two Years Program

60 Seats

Vision

To be a premier centre of pharmacy education and research, fostering competent pharmacists with a strong scientific foundation, ethical values, and a commitment to patient care, advancing healthcare and pharmaceutical sciences.

Mission

- M1. Provide a comprehensive pharmacy education that combines theoretical knowledge, practical skills, and patient-centered care.**
- M2. Foster research, innovation, and collaboration to advance pharmaceutical sciences and contribute to healthcare advancements.**
- M3. Promote ethical practices, medication safety, and public health awareness to improve patient outcomes and community well-being.**
- M4. Collaborate with healthcare institutions, pharmaceutical industries, and regulatory bodies to offer experiential learning, industry exposure, and professional development opportunities for students.**

If you get intrigued by the immense use and variety of medicines, this is the course for you. We at Quantum offer a highly informative curriculum which provides theoretical and practical knowledge of drugs, medicines and other chemicals.

Besides MBBS, Bachelor of Pharmacy is becoming increasingly popular among science students. Students opting for this course are expected to show a keen interest in Chemistry and Biology.



Pharmacy is a study of different techniques of preparing medicines and drugs. The science provides an understanding of drug use so as to optimize the wellbeing of the patients. Hence Pharmacy links chemistry with health science. The experts in this domain are called Pharmacists.

A Pharmacist is integral to any hospital, health clinic or any institute related to health. Drug companies are growing at a fast pace in India. Allied sectors of medical transcription and pharmacovigilance are on the boom. Such avenues in the health sector offer great growth opportunity for pharmacists.



BPharma

Four Years Program

If you get intrigued by the immense use and variety of medicines, this is the course for you. We at Quantum offer a highly informative curriculum which provides theoretical and practical knowledge of drugs, medicines and other chemicals.

Besides MBBS, Bachelor of Pharmacy is becoming increasingly popular among science students. Students opting for this course are expected to show a keen interest in Chemistry and Biology.

ELIGIBILITY

10+2 or equivalent having Physics + Chemistry as compulsory subjects along with one of the Mathematics / Biotechnology / Biology AND have obtained at least 45% marks in total.

SCOPE AND HIGHLIGHTS

Today B. Pharmacy has created a niche for itself as more and more students are thronging towards it. This course allows a convenient entry into the medical field for it is financially reasonable compared to courses like MBBS etc. Quantum's school of Medical Science has successfully established its name by emerging out among the top medical schools of the country.

Our advance and high-tech labs equipped with modern instruments facilitate safe experiments which enhance the learning of subjects like Pharmacology, Anatomy & Physiology, Pharmaceutical Chemistry, Pharmacognosy, Pharmaceutics.

CAREER OPPORTUNITIES

Bachelor of Pharmacy opens up numerous options for its students. One can represent any pharmaceutical company, assist doctors, and become a drug inspector and pharmacist.

The doors of higher studies like M Pharmacy, MS, MBA and research work are forever open. B. Pharmacy undoubtedly guarantees a safe and secure future.





DPharma

Two Years Program

Pharmacy is a study of different techniques of preparing medicines and drugs. The science provides an understanding of drug use so as to optimize the well being of the patients. Hence Pharmacy links Chemistry with health science. Experts in this domain are called Pharmacists.

A Pharmacist is integral to any hospital, health clinic or any institute related to health. Drug companies are growing at a fast pace in India. Allied sectors of medical transcription and pharma-vigilance are on the boom. Such avenues in the health sector offer great growth opportunity for Pharmacists.

Students with a passion for Biology and Chemistry are best suited to be Pharmacists. They must have solid memory and analytical skills. Good command of English language and communications skills will prove greatly useful in the study of Pharmacy.

ELIGIBILITY

10+2 or equivalent having Physics + Chemistry as compulsory subjects along with one of the Mathematics / Biotechnology / Biology AND ' at least 45% marks in total.

SCOPE AND HIGHLIGHTS

Students are exposed to a number of subjects that deal with chemical methods of medicinal preparation. The core subjects in the curriculum, prepared by experts from the industry and academia, include Pharmaceutical Analysis, Pharmacognosy and Pharmaco Kinetics. Some important subjects are Pharmaceutical Chemistry, Medicinal Chemistry, Biochemistry and Pharmaceutical Microbiology.

The DPharm program develops the student knowledge about understanding of Pharmaco Kinetics in drug development. Hence the learner can formulate various drug dosage sand differentiate and discuss various Pharmacopoeias.

The candidate will acquire an understanding of the international drug standards and nomenclature so as to appreciate modern research in pharmaceutical and allied sciences.

Quantum University has designed this program to imbibe industry readiness along ethical and legal principles related to environment, society and culture in the perspective of Pharmacology.

A Diploma in Pharmacy entitles student to further study in the relevant fields with degree options such as Bachelor of Pharmacy MPharm, MSc, PhD, etc.

A PG Diploma and Master's courses help specialization in allied subjects like Community Pharmacy, Clinical Pharmacy, Pharmaceutical Chemistry, Pharmacognosy, Toxicology and Nuclear Pharmacy.

CAREER OPPORTUNITIES

The Indian economy is opening up to multinational pharma companies resulting in a booming pharma sector offering lucrative careers. Students with a Diploma in Pharmacy can find employment in a number of government departments and private pharma companies.

Diploma holders in Pharmacy can work as Industrial pharmacist who work in Manufacturing, Quality Control and Packaging of drugs. Another profile belongs to the Community Pharmacist who dispenses Medicines at hospital or counsels patients. Sales and Distribution is another area where such students help doctors and facilitate bulk distribution of drugs. As an Academic Pharmacist, there is opportunity to train pharmacy students. The Diploma offers a number of entry level job profiles also with Government hospitals, institutes and research bodies.

Independent work with a pharmacy background begins after at least a master's degree with specialization. This would help in acquiring a license to practice as an independent pharmacist. After acquiring the requisite qualifications and licenses independent entrepreneurial ventures in drug manufacture can be started.

The prominent job profiles that are readily available with this degree are Drug Coordinator, Pathology Technician, R&D Officer and Drug Inspector.





Department of Applied Medical Sciences

B.Sc Nutrition & Dietetics Three Years Program 20 Seats

M.Sc Nutrition & Dietetics Two Years Program 12 Seats

Vision

To be a distinguished centre of excellence in applied medical sciences education and research, nurturing skilled healthcare professionals with compassion, scientific acumen, and a commitment to improving global health outcomes through interdisciplinary collaboration and evidence-based practice.

Mission

- M1.** Provide comprehensive education in applied medical sciences, particularly regarding public nutrition, integrating theoretical knowledge, practical skills, and clinical exposure.
- M2.** Foster critical thinking, evidence-based practice, and interdisciplinary collaboration to address complex healthcare challenges.
- M3.** Promote ethical values, patient-centered care, and continuous professional development to enhance healthcare delivery through better nutritional outcomes.
- M4.** Collaborate with healthcare institutions, research organizations, and communities to offer innovative solutions to promote public health and provide wholesome and safe food to low income families.

A balanced and healthy diet is the basis of good health. Food becomes more important when allied with needs of children, old and the sick. Nutrition is the field that studies the interplay of food components and the health indicators such as metabolism and immunity. Nutrition has emerged as an essential aspect of the modern health sciences. As such it encompasses a spectrum of activity. This includes dietary modifications and supervision in hospitals and schools. Moreover it involves working closely with doctors and healthcare professionals to monitor, assess and improve patient nutrition.



Due to globalization and rapid urbanization there has been a massive shift in the eating habits of people. Moreover lifestyle diseases like diabetes and obesity are on the rise. Consequently there has been a growing orientation in society towards nutritional awareness. Therefore nutrition is a field that will grow owing to the needs of a rising health conscious society.

The prospective student should have an analytical mind. An aptitude for science helps understanding various aspects of the health-biological issues.

SCOPE AND HIGHLIGHTS

Public awareness on health is growing, bringing in focus Nutrition & Dietetics as the preemptive factor in healthcare. The subject aims to maximize health benefits by correcting food habits.

The main focus of the curriculum at Quantum School of Health Sciences is on Human Physiology, Food Processing, Food Microbiology, Food Chemistry, Nutritional Biochemistry, Food Quality, Food Analysis and Biotechnology. The program aims to inculcate in students an understanding of varied aspects of nutrition and prepare them for the field as well as for research on food and health. Besides becoming thorough professionals, students also develop interpersonal skills with improved communication, understanding of needs of the clients varying in aspects like age, health condition and nutritional requirements. They are also able to deliver effective counseling on nutrition and health.

While pursuing their BSc in Nutrition and Dietetics at Quantum University, students shall also have a great advantage of studying in an inter-disciplinary environment. They can choose from programs like Entrepreneurship, Foreign Language, Digital Media Marketing, etc along with their main program and greatly improve their skill sets and options of employability. Moreover, they shall have the option to pursue their passion in Music, Theater, Photography, Sports, etc. Higher studies in a number of allied fields is possible with MSc or MPhil programs. These include specialization in Therapeutic and Clinical Nutrition, Public Health, Pediatrics, Gerontology and Renal Science, etc for higher job profiles or research purposes.

CAREER OPPORTUNITIES

Diverse opportunities are available for BSc graduates in Nutrition & Dietetics in a number of fields. They can work for Healthcare sector and organizations related to food and healthcare. With the growth in general education, media and information technology, there has been an increase in health awareness. As such this modern curriculum by Quantum University is a major effort to meet the immense demands of trained nutritionists and dieticians. The degree would open careers in Food Processing Industry, Hospitals, Health Centers, Education Sector and Sports. New avenues of employment have arisen due to huge growth of hotels, catering businesses and restaurants. The BSc graduate can work in a number of profiles such as a nutritionist, dietician, food scientist or food quality manager in both public and private sectors.

In the public sector, work can be found with Government Community Health Programs, Hospitals, Health Department, Factories, Colleges, Schools and Departmental Cafeterias.

The private sector offers a vast scope for employment. Work can be found with Food Processing Industry, Hospitals, Nursing Care, Gyms, Sports Hostels, Sports Camps, Slimming Centers, Health Clubs and Cafeterias.



MSc Nutrition & Dietetics

Two Years Program



Nutrition studies nutrients or valuable food elements which are the essential for sustenance, maintenance and growth the human body. Since the food elements are the primary source of the nutrients, human diet acquires central importance in human health. The absence of proper nutrition in diet is termed malnutrition. Malnutrition is known to seriously impair health and development of mental and physical attributes. Hence Nutrition also explores the link of diseases and health issues, food allergies and intolerance with Nutrients. Nutritionists usually work in a research setting involving scientific aspects of food science or biochemistry.

Dietetics is scientific study of the human diet in perspective of Nutrition. In modern healthcare, diet has become important for the individual and community in equal measure. The changing food pattern and erratic food habits have enhanced the role of nutritionists and dieticians. They plan healthy diets and corrective diet therapy considering the health age and food habits of individuals. They are also entrusted with the responsibility to educate the general public about the right diet for appropriate nutrition.

ELIGIBILITY

Graduation in Science Stream & minimum 50% marks in total.

SCOPE AND HIGHLIGHTS

The increased access to information has brought a level of awareness among the general population, raising health consciousness. In recent times there has been a focus on food habits to achieve health and wellness. This offers an exceptional opportunity for healthcare professionals specializing in Dietetics and Nutrition to carve niche careers in managing health of the aging and the young.

The PG Diploma holder can further specialize in fields like Clinical Nutrition, Pediatric Nutrition, Public Health Nutrition, Sports Nutrition/Dietetics, Food Science/Technology, Renal Nutrition and Gerontic Nutrition. They can also pursue MPhil and PhD studies to seek openings in research and academia.

The curriculum at Quantum University focuses on a number of core subjects such as Clinical Biochemistry Human Physiology, Medical Nutrition Therapy, Personnel Management, Hospital Organization, Food Services Administration Clinical Nutrition, Dietetic Techniques, Pediatric and Geriatric Nutrition, and Patient Counseling.

The PG Diploma offered at Quantum School of Health Sciences is highly employment oriented. The learner can execute a number of tasks after the successful completion of the course which includes Planning and supervising food-nutrition programs, coordinating with healthcare professionals, counseling patients on diets, assessing illness and develop prognosis from nutritional viewpoint and advice on legal decisions.

CAREER OPPORTUNITIES

This M.Sc in Nutrition & Dietetics is a special program from Quantum University which empowers young graduates to avail vast opportunities in the fast-growing Health and Wellness sector.

In the public sector work can be found with government community health programs, hospitals, health department, factories, colleges, schools and departmental cafeterias.

The private sector offers a vast scope for employment. Work can be found with Food Processing Industry, Hospitals, Nursing Care, Gyms, Sports Hostels, Sports Camps, Slimming Centers, Health Clubs and Cafeterias.

A number of opportunities exist in Teaching and Research in Research Institutes, Universities, Medical Colleges, Hospitals and FMCG Companies. This Diploma would also encourage entrepreneurial ventures to fully exploit the boom in the health sector as dietitians and nutritionists. A number of job profiles are available such as Private Consultants, Clinical Dietitians and Nutritionists.

Healthy Food Collection





Department of Paramedical Sciences

Bachelor in Medical Radio & Imaging Technology

Three Years Program 30 Seats

Bachelor in Medical Laboratory Technology

Two Years Program 30 Seats

Vision

To be a leading centre of excellence in paramedical sciences education, empowering compassionate and skilled paramedical professionals with advanced knowledge, technical expertise, and a commitment to delivering quality healthcare services and improving patient outcomes.

Mission

- M1.** Provide comprehensive education in paramedical sciences and expertise in medical laboratory and interpretation by encompassing theoretical knowledge, practical skills, and clinical training.
- M2.** Foster critical thinking, respect for job safety principles, evidence-based practice, and interdisciplinary collaboration to meet the needs of healthcare.
- M3.** Promote ethical values, empathy, and patient-centered care to enhance the well-being and quality of life of patients.
- M4.** Collaborate with healthcare institutions, interdisciplinary teams, and community organizations to offer high-quality paramedical services, research opportunities, and community health initiatives.

Medical Technologists are one of the most important assets of the health profession. Though the Medical Technologists spend less time with patients than doctors and nurses, they play a significant role in collecting the information needed to give the best care to the patient. In fact, the practice of modern medicine would be impossible without the tests performed in the laboratories.



Bachelor in Medical Radio & Imaging Technology or BMRIT is a modern course that trains students to tackle the challenges of cutting edge medical technology. Medical Imaging, also known as Radiology is the study and application of various imaging techniques to produce images of the internal structures of the human body. These pictures are termed radiographs and have emerged as integral to modern medical sciences. Their most common application is in the diagnosis of ailments ranging from simple bone fractures to dreaded tumours. More advanced uses arise in the studies of human anatomy and physiology. Medical Radio & Imaging Technology encompasses varied techniques in X-Ray study and Ultrasound to MRI and Nuclear Medicine.



Bachelor in Medical Radio & Imaging Technology

Three Years Program

Students with a solid background in Biology and Physiology generally opt for this new-age program. One must also have strong technical and analytical skills and an excellent vision as one has to work on computers. With the growth in modern diagnostic methods, the field of Radiology is expanding vastly in the area of medicine.

A Radiologic Technologist, also known as Medical Radiation Technologist or a Radiographer, performs imaging of the human body for diagnosis or treating medical problems. Some of the techniques used include mammography, x-ray, MRI, CT Scan, Fluoroscopy, etc.

ELIGIBILITY

10+2 or equivalent examination with Physics and Chemistry as compulsory subjects along with one of the Mathematics / Biotechnology / Biology and have obtained at least 45% marks in total.

SCOPE AND HIGHLIGHTS

BSc course in Radiology starts by initiating students in subjects like Anatomy, Biochemistry, Physiology, Microbiology, Pathology, Surgery, Medicine and Diagnostic Techniques. The course then develops advanced topics like Radiation Physics, Radio Biology, Radio Diagnosis, Radiotherapy, Interventional Radiography, Computed Tomography, Bone Densitometry, Fluoroscopy, Angiography, Cardiovascular Radiography, Nuclear Medicine, Clinical Trials, Palliative Care and Chemotherapy. The BSc course also deals with Therapeutic Radiography involving radiation therapy of cancers and tumors.

Quantum University with its state-of-the-art labs offers students a unique opportunity to get the most out of this hands-on intensive course. As such, the students learn to perform a number of tasks essential to this field. These include Plain Film Radiology and Trauma Imaging, Ultrasound Investigation, Therapeutic Assistance, Computed Tomography Examination, MRI Functional Studies, Urography, Vascular Investigation and Gastro-intestinal procedures. The students are trained exclusively in the core importance of Equipment Protocols, Radiation Safety and Radiation Protection. After successful completion of the program, the Quantum student will be capable of holding assignments in hospitals and healthcare institutions, research laboratories and diagnostic centers.

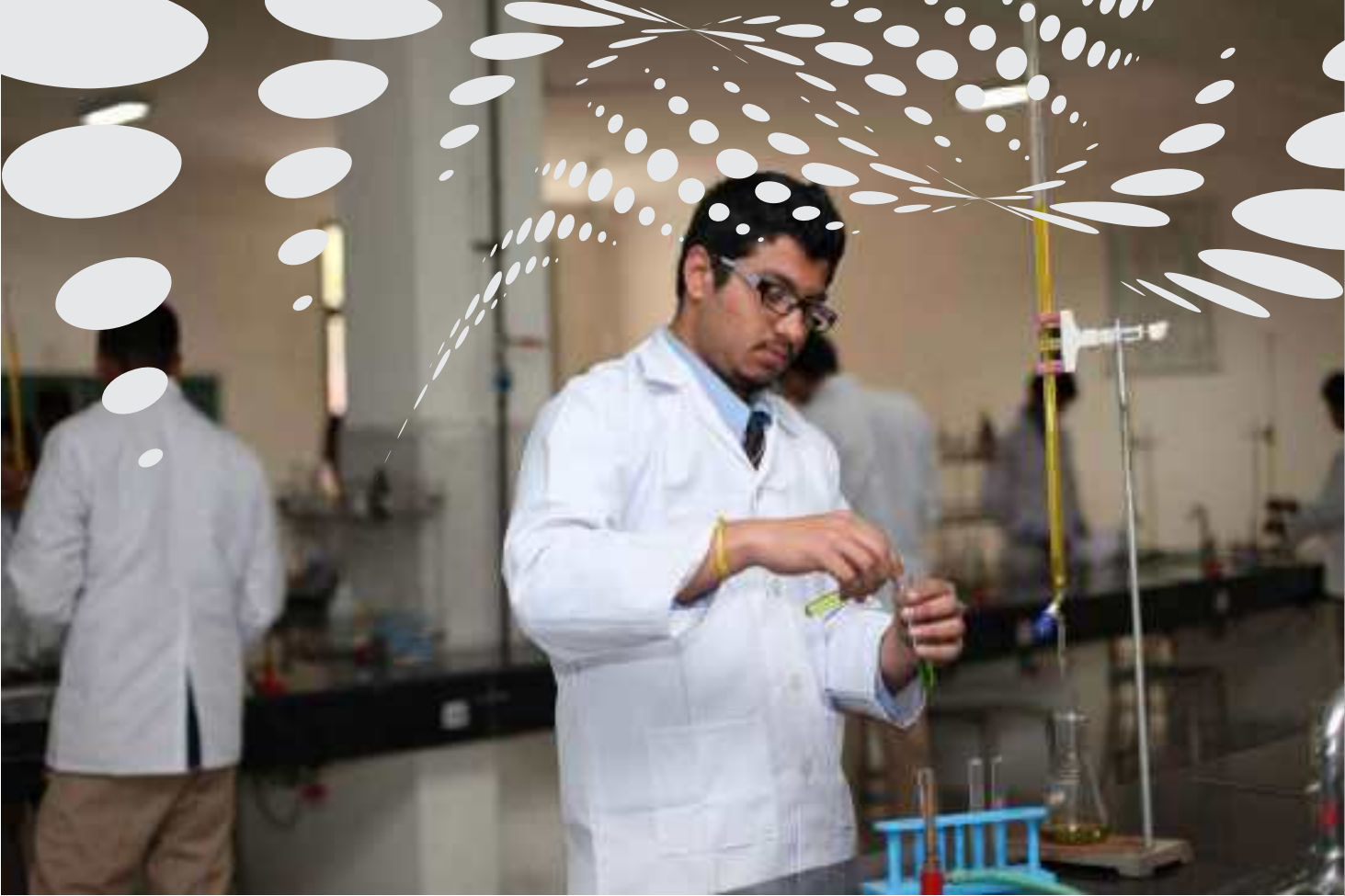
CAREER OPPORTUNITIES

The proliferation of medical facilities and the Government's increasing thrust on health care promises a very bright future for professionals in this field. Quantum University sees this as an opportunity to provide highly trained professionals for this demanding field of healthcare. The most direct employment can be found in Clinics, Nursing Homes, Public Health Centers, Hospitals, Diagnostic Centers and Research Sector. In such roles graduates can start by working as an apprentice to senior radiologists.

The field of medicine is rapidly changing affording vast opportunities for researchers and scientists. Radiology receives the advantages from numerous advances in Computer Science and Imaging Technology.

BSc Radiology graduates can work in a number of job profiles such as Radiology Assistant, Radiographer, Radiology Technician, Radiologist, Radiology Technologist, Ultrasound Technician, Sonographer, MRI Technician and CAT Technologist.





Bachelor in Medical Laboratory Technology

Three Years Program

The Bachelor of Medical Laboratory Technology (BMLT) also known as Clinical Laboratory Science is a three-year degree course offered by Quantum School of Health Sciences. The course primarily deals with the diagnosis, treatment and prevention of diseases through the use of clinical laboratory tests. The program teaches students the ways to use technological instrumentation in an advanced laboratory setting to diagnose, treat and stop diseases. After the successful completion of the degree program, students become well-equipped with the knowledge and skills required to handle advanced lab equipments and perform accurate laboratory tests.

ELIGIBILITY

10+2 or equivalent examination in Physics, Chemistry and Biology & minimum 45% marks in total

SCOPE AND HIGHLIGHTS

Medical Technologists are one of the most important assets of the health profession. Though the Medical Technologists spend less time with patients than doctors and nurses, they play a significant role in collecting the information needed to give the best care to the patient. In fact, the practice of modern medicine would be impossible without the tests performed in the laboratories.

The career prospects in the field rely upon the educational and technical skills of the technologist. Initially, he/she can join any laboratory as an authorized medical laboratory technician. Later, after gaining experience, one can switch to numerous blood banks, nursing homes, personal hospitals, pathology laboratories, etc. The demand for laboratory technicians is growing with the expansion of healthcare center.

At Quantum University, due emphasis is laid upon making students competent to carry out all the modern sophisticated diagnostic procedures in the laboratory. Here, the academic knowledge is supplemented with regular clinical visits, guest lectures, internships and a lot more. Hands-on-trainings are an integral part of the curriculum for which students are posted in various labs and are engaged in day to day work with senior technicians and learn under the supervision of pathologists.

CAREER OPPORTUNITIES

A BMLT degree holder can get a job in Hospital, Nursing Home, Clinic, Public Health Facility, and Commercial Laboratory. With adequate data and skill, BMLT degree holders can advance to management or superior positions in hospitals and laboratories. Additionally, Medical Laboratory Technologists work as Laboratory Supervisor, Health Care Administrator, Laboratory System Analyst, Instructional arranger, etc. Furthermore, multiple opportunities are out there in molecular biotechnology corporations, molecular medicine and also in vitro fertilization laboratories.

Additionally, those who complete a PhD may find technician jobs at foreign universities or the Research and Development (R&D) wings of prestigious pharmaceutical companies. Research opportunities in urban disease control, analytical development, clinical research, formulation research and new drug development are exploding too, with major companies investing huge money in R&D. ographer, MRI Technician and CAT Technologist.







Quantum

**School of
Hospitality &
Tourism**



School of Hospitality & Tourism

Department of Hospitality & Tourism

BHM Four Years Program

15 Seats



The tourism sector has been the natural strength of the Indian economy. Tourism is a global force for economic and regional development. It has also boosted the hospitality sector. These sectors have experienced immense diversification owing to globalization. Consequently it offers enormous scope for the students.

Quantum School of Hospitality and Tourism has a unique focus on innovative pedagogy to orient the students towards a career of service. This focus stems from the fact that this industry is exclusively based in practical work and customer satisfaction. As such students learn through up-to-date industry oriented curriculum. There is a focus on hands-on training which emphasizes hands on learning. Frequent Workshops, Seminars, Guest Lectures and Interactive Sessions with the industry expose the student to the current elements of study in the field. There is an ample chance of lab work, projects and internships to let the student practice what has been learned. Therefore the

course functions through a fine balance between theoretical rigor and its practical aspects. The entire learning experience is aimed at developing communication and interpersonal skills which is at the core of this industry, supported by world class and efficient infrastructure.

It is expected that these well trained professionals will be easily absorbed in the fast growth sector for leisure and tourism. Quality professionals in Hospitality and Tourism are in constant demand in restaurants, resorts, hotels, catering firms, cruises, airlines, shipping, railways, educational institutions, armed forces and corporate houses.

Quantum School of Hospitality and Tourism offers its student to indulge in inter-disciplinary learning and emerge with skills at par with the best in the world. Such learning allows assimilation of various perspectives and endowing critical skills. Students can become better professionals by opting for Major and Minor degrees on offer at Quantum.



Department of Hospitality & Tourism

BHM Four Years Program 15 Seats



Vision

To be a renowned center of excellence in hospitality and tourism education, nurturing competent professionals with global perspectives, exemplary service skills, and a commitment to sustainable practices, shaping the future of the industry.

Mission

- M1. Provide a comprehensive education in hospitality and tourism, integrating theoretical knowledge with practical skills and industry exposure.**
- M2. Foster a customer-centric approach, effective interpersonal skills, cultural sensitivity, and ethical practices to deliver exceptional guest experiences.**
- M3. Promote innovation, entrepreneurship, and responsible tourism practices for sustainable industry growth and community development.**
- M4. Collaborate with industry partners, hospitality organizations, and tourism boards to offer industry-relevant curriculum, internships, and research opportunities for student skill-building and industry readiness.**

The hotel industry is a burgeoning sector which promises lucrative career opportunities. It is a part of the wider hospitality or service sector. A bachelor in Hotel Management has been usefully crafted keeping this in mind. At Quantum, we are all geared up to provide the best industry experience to our students. Our newly updated curriculum combined with latest industry knowledge make us the best hotel management college in Dehradun and Uttarakhand.



Quantum University offers one-year certificate program in hotel management to inculcate quick employability in students. This would attract students oriented towards skill based learning carried out mostly in the labs or through internships and live projects. The focus is on food and beverage, operations, housekeeping and maintenance. The program is in huge demand across the hotel industry, event management companies, restaurants, industry, educational institutions and similar other service sectors.



BHM 4 Years 15 Seats
Bachelor of Hotel Management

The Bachelor of Hotel Management is a graduate course which introduces students to the hotel industry. The hotel industry is a part of the wider hospitality or service sector. Hence the course puts hotel industry in the wider perspective of the hospitality sector. As such students learn core aspects of hotel work which includes Front Office Operation, Hospitality, Sales and Marketing. The hotel industry is a global phenomenon; hence employment avenue is not limited to one country. Students can work at international level with MNCs and global service providers.

The candidate must possess good communication and interpersonal skills so as to understand and cater to the need of the customer. The learners should have patience and goodwill to handle criticism. The student is expected to exhibit calmness and composure even in critical situations.

ELIGIBILITY

10+2 or equivalent examination in any stream & minimum 45% marks in total.



SCOPE AND HIGHLIGHTS

The Hospitality and Tourism industry is a global phenomenon and employment opportunity is not limited to one country. The program aims to inculcate pan-cultural practices in the graduating students starting with the fundamentals of Hotel Management.

BHM students at Quantum University are trained in Business Communication, Personality Development, Front Office Operations, House Keeping, Food Science, Culinary Skills, Food and Beverage, Nutrition, Hygiene and Event Management. The curriculum lays additional focus on modern trends in Cruise Ship Hospitality, Accounting, Sales and Marketing, particularly with regards to digital media.

The Program at Quantum University has an exclusive thrust on hands-on work experience, extensive lab work, live projects and real internships with star hotels, travel and event management companies. At the end of the program the student emerges as a confident, well trained professional.



CAREER OPPORTUNITIES

The ongoing globalization has turned India into a global tourist hotspot. Hence the hotel industry has grown tremendously. Different kinds of tourism have developed over the years such as Adventure Tourism, Health Tourism, Railway Tourism and Heritage Tourism. As a result the hospitality industry has become one of the largest source of jobs.

Professionals completing their BHM program at Quantum are qualified and trained to work in various capacities of managing, catering and logistical support to Restaurants, Resorts, Bars & Pubs, Banquet, Events, Hotels, Cruise Ships, Hospitals, Airlines, Casinos and others. They can also enter Aviation, Railways, Armed Forces and Shipping. The curriculum also equips a person to start one's own entrepreneurial and business model. Apart from this, independent work includes working as Chefs, Consultants, Lifestyle Managers, Trainers, Lecturers and Writers. Some of the popular job profiles include Hospitality Executive, Catering Officer, Hotel Manager, Concierge, Travel agent, Event Planner and Facilities Manager.





Quantum

**School of
Law**



School of Law

Department of Law

BA LLB (Integrated) 30 Seats

BBA LLB (Integrated) 30 Seats

5 Yrs Integrated Program

ELIGIBILITY

10+2 or equivalent examination in any Stream & minimum 50% marks in total, CLAT merit exam will be preferred.

Get ready for some real law experience. Welcome to Quantum School of Law, a very vibrant and fantastic setting for you to immerse yourself in both academic as well as practical side of the Judicial world.



Those who dream of pursuing a top-notch career in the field of law, Bachelor of Business Administration combined with the Bachelor of Legislative Law is one of the finest recipes for them. Gone are the days when a student had to opt for either of these. Quantum University, one of the best law college in Dehradun offers an integrated BBA LLB course to equip students with both business administration and legislative skills. Quantum School of Law, Dehradun has creatively designed this BBA Law Course to meet all the professional requirements. The new-age course is

designed in such a way that it meets the demands of the current industrial and corporate trends.

The unique pedagogy and rigour in the curriculum have brought laurels to the department. With the prime objective of creating world-class academic in the field of law, this course has very well responded to the needs of industry and administration. This gets vouched as Alumni of the Department are well placed in academics, business and administration all across the globe.



Department of LAW

BA LLB (Integrated) 30 Seats

BBA LLB (Integrated) 30 Seats
Five Year Integrated Program

Vision

To be a distinguished centre of legal education, nurturing highly skilled and ethical legal professionals equipped with comprehensive knowledge, critical thinking, and advocacy skills to uphold justice, promote human rights, and contribute to legal reforms in a global context.

Mission

- M1.** Provide a rigorous legal education that encompasses theoretical knowledge, practical skills, and professional ethics.
- M2.** Foster critical thinking, research proficiency, and effective communication to produce proficient legal practitioners and scholars.
- M3.** Promote social justice, human rights, and legal reforms through community engagement, updated legal awareness and advocacy.
- M4.** Collaborate with legal professionals, judiciary, and governmental bodies to provide experiential learning, internships, and practical exposure to ensure holistic legal professional excellence.

Those who dream of pursuing a top-notch career in the field of law, Bachelor of Business Administration combined with the Bachelor of Legislative Law is one of the finest recipes for them. Gone are the days when a student had to opt for either of these. Quantum University, one of the best law college in Dehradun offers an integrated BBA LLB course to equip students with both business administration and legislative skills. Quantum School of Law, Dehradun has creatively designed this BBA Law Course to meet all the professional requirements. The new-age course is designed in such a way that it meets the demands of the current industrial and corporate trends.



A sharp knowledge of law blended with a sophisticated understanding of arts and humanities is what it takes to excel in the field of law. To make sure this happens at all cost, Quantum School of Law has thoughtfully carved out BA LLB (Hons.) programs. The course intends to furnish students with all required skill sets needed to become a successful lawyer. The extensive course is designed to impart invaluable knowledge to the students of diverse areas of law and arts including Sociology, History and Political Science etc. alongside specialized fields of law like Corporate Law, Criminal Law, Administrative Law, Patent Law, International Law, Tax Law, and Labour Law. Being the best law college in Uttarakhand, Quantum School of Law pays huge emphasis on training sessions, research projects and moot court practices to hone the argumentative skills, lateral thinking, public speaking and critical analytical skills of the students. Quantum School of Law is determined to churn out well-trained and best lawyers for the country.



BA LLB 30 Seats (5 Yrs Integrated Program)

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ELIGIBILITY

10+2 or equivalent examination in any Stream & minimum 50% marks in total, CLAT merit exam will be preferred.



THE QUANTUM MBA WILL ENABLE YOU TO...

- Gain a thorough understanding of the global economic, environmental and social challenges that are redefining business and the role of the professional manager.
- Learn how emerging and innovative businesses, new economic models and new enabling technologies impact on business strategies, and how professional managers can exploit them to drive innovation and profitable growth.
- Enjoy an outstanding business and management education in a dedicated, highly supportive facility, surrounded by a beautiful natural environment.
- Acquire practical professional skills that will help you grow and build businesses, anything from start-ups to long-established organisations.
- Transform your future. Explore new directions, learn and develop your own potential, and become the leader and the person that you truly want to be.

VALUE-ADDED, CERTIFIED CORPORATE TRAININGS

One of the most defining features of MBA at Quantum is a host of value-added, certified corporate trainings for different specializations delivered over the semesters. These are often passports to good job markets. The schedule and nature of these trainings keep evolving as per industry requirements. Some of the recent trainings include...

- Transport & Logistics Management
- Primary Data Analysis through SPSS
- Business Analytics
- Industrial Relations & Labour Laws
- Retail Operations Management
- Compensation Management
- MS Excel
- Accounting Information System through Tally
- NCFM: Financial Market/Mutual Fund Module.

OPTIONALS





BBA LLB 30 Seats
(5 Yrs Integrated Program)

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ELIGIBILITY

10th Standard equivalent examination with minimum 50% marks in total, CLAT merit list preferred.



Those who dream of pursuing a top-notch career in the field of law, Bachelor of Business Administration combined with the Bachelor of Legislative Law is one of the finest recipes for them. Gone are the days when a student had to opt for either of these. Quantum University, one of the best law college in Dehradun offers an integrated BBA LLB course to equip students with both business administration and legislative skills. Quantum School of Law, Dehradun has creatively designed this BBA Law Course to meet all the professional requirements. The new-age course is designed in such a way that it meets the demands of the current industrial and corporate trends.

The unique pedagogy and rigour in the curriculum have brought laurels to the department. With the prime objective of creating world-class academic in the field of law, this course has very well responded to the needs of industry and administration. This gets vouched as Alumni of the Department are well placed in academics, business and administration all across the globe.

Best Law College in Dehradun, Quantum School of Law has several formidable qualities which distinguish it from other law schools in India. The foremost quality is that it pays a huge emphasis on carefully ingrained interdisciplinary education which allows students to major in law and pursue minor in a completely different discipline. Students can choose from an array of minor courses varying from Entrepreneurship, Foreign languages, Digital Marketing, Computer Science, Robotics, Agripreneurship, Environmental Studies, Marketing, Economics, Journalism and Culinary skills. The other highlight of Quantum School of Law is thoughtfully structured Passion Program that enables students to manifest their talent in art, music, sports and other passions. Additionally, a well researched, future-ready curriculum is here implemented in close collaboration with the industry.







The Visionaries



Quantum has been promoted by a very well established corporate house. The group is into manufacturing, export and large scale trading of plywood, paper, ACPs and allied products. It caters to pan-India market through its well established network of distributors and sales executives, whilst the export division looks after the international market. The promoters are members of influential corporate bodies at the state and national level and have an excellent PR network in the corporate world. The group understands the nitty-gritties of placements



Shri Shyam Sunder Goyal
Founder President

Our most imported asset is our students. We would like to see them not just as well groomed competent industry ready graduates, but also good human beings.



Shri Shyam Lal Garg
Co-founder President

We have perceived here an opportunity to pay back to the society that nurtured us. Quantum University is the product of this philanthropic desire.



Shri Ajay Goyal
Chancellor

The making of Quantum University has been a decade long journey full of excellence, excitement and experience. As we enter into the new phase in 2018, we carry with us fresh energy, renewed commitment and a great sense of responsibility. We shall spare no effort to ensure that students are developed to their full potential, both as professionals as well as human beings.

The Quantum University shall constantly embrace change and confer highly valued degrees upon its students. My team and I are committed to make a small but meaningful contribution towards our nation building. May God bless us all in this endeavour.



Shri Praveen Garg
Pro Chancellor

Quantum University shall be a great seat of learning. It shall be our constant endeavor to adopt the finest academic practices and serve our state and country with sincerity. The interest of our students shall always be foremost in our minds and we shall mobilize every resource to create opportunities for Q-mates by way of project work, training, internship and placement. We shall adopt a human approach towards education and encourage students towards not just academic excellence, but also to express their passion in sports, theater, dance, music, photography, design, etc, through well structured passion programs.



Dr Vivek Kumar
Vice Chancellor

I invite young and innovative students to Quantum University, Roorkee. We are equipped to be a New-Age university having an inter-disciplinary pedagogy, flexible choice based credit system and a humane learning environment that allows a student to remain connected with oneself through our unique and experiential Passion Programs (PROPS).



Prof Rohit Kushwaha
Director, Quantum School of Business

Quantum School of Business shares the vision of young & dynamic India. Accordingly, the Business Studies at Quantum emphasize developing competencies & skill sets truly relevant to the industry. In close interaction with the corporate, my senior team & myself personally ensure an absolutely innovative B School curriculum.



Dr. Gulshan Chauhan
Dean, Faculty of Technology

I welcome all students to Quantum University, an exciting place to study, where you will have the opportunity to experience and develop an understanding of the latest technologies as you prepare for a career in Technology. A point of pride for the School of Faculty of Technology is our rich pool of faculty and a healthy tradition of project based learning. Our students become expert users of all the new, sophisticated technology being used in the industry. We constantly challenge our students to become lifelong learners as technology means continuous change. We prepare our students to become change leaders in implementation of new technology for a prosperous and sustainable global community. Welcome, once again, to the future of education.

