

AGRICULTURE

Agriculture is the practice of cultivating plants and livestock. Agriculture was the key development in the rise of sedentary human civilization, whereby farming of domesticated species created food surpluses that enabled people to live in cities. The history of agriculture began thousands of years ago.

Agriculture is the backbone of the economic system of a given country. In addition to providing food and raw material, agriculture also provides employment opportunities to a very large percentage of the population. Go Through This Article to Know More About the Agriculture Important.

Definition of agriculture : the science, art, or practice of cultivating the soil, producing crops, and raising livestock and in varying degrees the preparation and marketing of the resulting products cleared the land to use it for agriculture.

India is the world's largest producer of milk, pulses and jute, and ranks as the second largest producer of rice, wheat, sugarcane, groundnut, vegetables, fruit and cotton. It is also one of the leading producers of spices, fish, poultry, livestock and plantation crops.

Agriculture is an important sector of Indian economy as it contributes about 17% to the total GDP and provides employment to over 60% of the population. Indian agriculture has registered impressive growth over last few decades. ... The rapid growth has helped Indian agriculture mark its presence at global level.

griculture is mainly composed of six specialized branches, which are:- Agronomy (deals with soil management and the growing of crops); Horticulture (deals with the cultivation of fruits, vegetables and ornamental crops); Plant Protection (relates to control of insect pests and diseases of plants); Agricultural ...

Four Year Courses -

1. B.Sc. Agriculture
2. Bsc Horticulture
- 3.Bsc Forestry
- 4.B.F.sc. (Fishery)
- 5.B.Teach (Agri Engineering)
- 6.B.Tech (Food Technology)

7.B.Tech. (Biotechnology)

8. Bsc Honours (ABM)

Eligibility –

1.XII Std. passed in 10+2 Pattern From Maharashtra state Board with PCB or PCMB

2.Common Entrance Examination MHT- CET PCB or PCMB

Agriculture Universities –

1.Mahatma Phule Krishi Vidyapeeth, Rahuri

2.Dr. Panjabrao Deshmukh Krishi Vidyapeeth,Akola

3.Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani

4.Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli Ratnagiri

Popular Government Agriculture Colleges-

Sr.No.	College Name	Intake	University
1	College of Agriculture, Pune	190	MPKV
2	Rajshri Shahu Maharaj College of Agriculture, Kolhapur	190	MPKV
3	College of Agriculture,Parbhani	128	MPKV
4	College of Agriculture, Nandurbar	60	MPKV
5	YC college of Agriculture	60	MPKV
6	College of Agriculture Jalgaon	60	MPKV
7	Ahilyadevi Holkar Krishi Mahavidyalya,Halgaon Ahmednagar	60	MPKV

Total Government Colleges – 38

Total Private Colleges – 152

Scope-

Career in Agriculture is one of the largest industries and a good source of employment across the country. Agriculture also plays a vital role in Indian economy. ... It promotes the efficient production of quality food in the agricultural-food industry & on the farm linked to the farming.

Agriculture in India is livelihood for a majority of the population and can never be underestimated. ... This is news to be happy about but as per the estimates of Indian Council for Agricultural Research (ICAR), demand for foodgrain would increase to 345 million tonnes by 2030.

1.Competitive Exam

2.Agriculture Research Scientist

3.Agriculture Officer

4.Plantation Manager

5Farm Manager

6.Private Companies.

Admission Process – Centralized Admission Process. Organised by MCAR

PARAMEDICAL COURSES –

Paramedical courses are medical training courses that are job oriented. Paramedical courses are quite training specific and train the students for real-life medical situations. ... Paramedics is an amazing field to build a career in the medical field in a short period and budget, unlike the conventional MBBS degree.

Eligibility for Paramedical Courses after 12th For Undergraduate and Diploma courses in the Paramedical sector: You must have passed 12th from the science stream with biology from any recognized board with at least 50% marks.

A paramedic is typically one of the first healthcare professionals to arrive at the scene of an emergency. Typical duties of the job include: ... assessing patients, providing emergency treatment and making diagnoses. monitoring and administering medication, pain relief and intravenous infusions.

Why should you choose paramedics as a career?

With the pandemic spread, we experienced an epiphany that more and more skilled and qualified paramedics are required for strengthening the backbone of the healthcare industry. Employment opportunities for Paramedical Professionals are increasing day by day not only in India but also in foreign countries. Paramedics as we know, lend a helping hand to the doctors to reach an accurate diagnosis of a disease to allow its best possible treatment.

After completing the basic course in any of the paramedical streams, you can take up a job in a Nursing Home, Hospital, Clinics, and Health Departments as well colleges and universities as lecturers, etc. Besides, you can open your own laboratories/clinics.

The career prospects for paramedical streams are thus varied. And if you wish to make a difference in someone's life then pursuing a paramedical course to become a paramedic can prove to be a good choice for you. The career and growth opportunities in this industry make it a profitable option

Scope of the paramedical sector

The scope of the paramedical sector in today's world is immense, as there are plenty of jobs available in the public as well as the private sector. The Healthcare industry is considered to be one of the fastest-growing industries and has a wide scope. Moreover, there is a great need to improve the health sector, something we all learned the hard way because of the unforeseen

pandemic situation. The world has come face to face with the ground reality of their own health care infrastructure and the requisites to bridge the gap between availability and the need for skilled and qualified paramedics who can aid specialists in hectic schedules.

The growing population of a developing country like India is witnessing mushrooming of hospitals in every city to cater to its medical needs leading to the dominance of the healthcare sector in the future creating huge opportunities for paramedical professionals in the job markets.

The healthcare industry is always in need of skilled and qualified paramedics in India, so once you clear your 12 class, you can choose the best paramedical institute for your study where you acquire all the skills, build and transform them into a career in the healthcare industry.

[Virohan](#) has a placement network of over 500 hospitals and diagnostic centres. Every course at Virohan comes with a mandatory internship for students to get hands-on experience of the work they will be doing after their course.

Job profiles in the paramedical courses

Some of the various job profiles which the paramedical courses can offer you to opt from are discussed below:

Operation Theatre Technician (OTT)

[Operation theatre technicians](#) are responsible for taking care that an impeccable surgery is carried out. They also:

- transport patients
- prepare the patient and operating room for surgery
- set up, check, connect and adjust surgical equipment
- provide technical assistance to surgeons
- provide support to recovering patients

So in short the operating theatre technicians work with the surgical team during the perioperative period in planned and emergency surgeries and take care of the patients in the recovery room.

Medical Lab Technician (MLT)

Medical Laboratory Technician health professionals are concerned with the diagnosis, treatment, and prevention of disease through the use of clinical laboratory tests.

[Diploma in Medical Lab technology](#) is a short course that allows you to bring home the bacon in less than three years. The job will involve:

- Collecting, labeling, analyzing samples
- Executing laboratory testing
- Conducting experiments to verify a hypothesis
- Organizing and storing all hazardous chemicals according to safety standards
- Responsibly recording all data accurately
- Maintaining all laboratory equipment

Though all these years MLT have been working behind the scenes, post the Covid-19 outbreak, MLT has caught the attention of the world and the demand for skilled professionals has increased manifold.

Hospital Administration (HA)

Certificate programs such as [Hospital Administration](#) prepare students for administrative positions within hospitals, clinics, physician's offices, and other health care centers.

Effective and efficient working of a large organization is the work of a Hospital Administrator and the team. The responsibilities of a hospital administrator include:

- Coordinating with employees
- Data management
- Work processes and strategies for improvement
- Policy compliance
- Finances, etc.

Salary structure post-course completion

Your salary after completion of the paramedic course of your choice, as a paramedic, is bound to increase with experience ranging from 2,20,000 to 10,00,000 lakh per annum along with being a buffer against the business cycle as these are recession-proof. Paramedical courses open the door for a world of opportunities offering a handsome salary and assured job satisfaction and job growth.

Paramedical courses in India

Paramedical sciences has emerged as the multidimensional service sector opening gates to numerous opportunities. Along with providing career opportunities to the growing population, it has also improved the health condition of the people. Paramedics are key players without whom the healthcare industry can fall out of gear.

The healthcare industry is the fifth largest employer in India. [Virohan](#) has several paramedical and allied healthcare courses which not only lead to a job in the healthcare sector but also ensures a positive growth into a long term career.

Virohan institute of health and management sciences offers courses in most of the paramedical sciences. Paramedical courses like [Emergency Medical Technician](#), [Medical Laboratory Technician](#), [Operation Theatre Technician](#), [Hospital Administration](#) and [Radiology Technician](#) courses are offered.

At Virohan, we work with a passion to build a generation of learners who can grow their skills into a career. We focus on providing the best learning opportunities to students to build a career in the healthcare industry.

We at Virohan can help you in making an informed decision by giving you a deep understanding of the scope of the best job-oriented paramedical healthcare course for you.

Types of Paramedical Courses

There are several types of paramedical courses that you can pursue including:

- Certificate Paramedical Courses
- Diploma Paramedical Courses
- Bachelor Paramedical Courses
- Masters Courses

Paramedical Courses List After 12th Science

- [BSc \(Hons\) Nursing](#)
- BSc (Hons) Paramedical Science
- BSc in Operation Theatre Technology
- [BSc in Cardiac Technology](#)
- BSc in Physician Assistant
- BSc in Medical Imaging Technology
- BSc in Medical Lab Technology
- [BSc in Anesthesia](#)
- BSc in Medical Record Technology
- BSc in Cardiovascular Technology
- BSc in Nuclear Medicine Technology
- [BSc in Neurophysiology Technology](#)
- BSc in Dialysis Technology
- BSc in Ophthalmic Technology
- [BSc in Audiology and Speech Therapy](#)
- [BSc in Occupational Therapy](#)
- [BSc in Radiology](#)
- BSc in Radiography
- [BSC Optometry](#)
- Bachelor of Paramedicine
- Bachelor of Paramedical Technology
- [Bachelor of Physiotherapy](#)

- Bachelor of Health in Paramedicine (Hons)

Paramedical Courses After 12th

There is a wide range of paramedical courses after 12th Medical and Non-medical which students can choose from. Here are the top Paramedical Courses after 12th:

Paramedical Courses	Duration	Fees
<u>BSc Radiology</u>	3 years	INR 2 Lakhs to 10 Lakhs
BSc in Audiology and Speech Therapy	3 years	INR 4-5 Lakhs
<u>Bachelor of Physiotherapy</u>	3-5 years	INR 4 Lakhs
BSc Ophthalmic Technology	3 years	INR 2 Lakhs to 6 Lakhs
Bachelor/BSc in OTT (Operation Theater Technology)	3-5 years	INR 4 Lakhs
B.Sc (Respiratory Therapy Technology)	3 years	INR 2 Lakhs to 4 Lakhs
B.Sc in Dialysis Therapy	3 years	INR 1 Lakhs to 2 Lakhs
<u>BSc Nursing</u>	4 years	INR 1 Lakhs to 2 Lakhs
<u>BNYS Course</u> (Bachelor of Naturopathy and Yogic Sciences)	5 years	INR 1 Lakhs to 2 Lakhs
<u>Diploma in Physiotherapy</u>	2 years	INR 1 Lakhs to 3 Lakhs

List of Paramedical Courses after 10th

- [General Nursing and Midwifery \(GNM\)](#)
- Auxiliary Nurse Midwifery (ANM)
- [Diploma in Radiology](#)
- Diploma in Gynaecology and Obstetrics
- Diploma in Child Health
- Diploma in Rural Health Care

- Diploma in Community Health Care
- Diploma in Orthopaedics
- Diploma in Ophthalmology
- [Diploma in Optometry](#)
- [Diploma in Dermatology](#)
- Diploma in [Clinical Research](#)
- Diploma in Dermatology, Venereology and Leprosy
- Diploma in Medical Record Technology
- Diploma in Medical Imaging Technology
- Diploma in Medical Lab Technology
- Diploma in Hearing Language and Speech
- Diploma in Operation Theatre Technology
- Diploma in OT Technician
- Certificate in Research Methodology
- Certificate in Lab Assistant/Technician
- Certificate in Nursing Care Assistant
- Certificate in Operation Theatre Assistant
- Certificate in [Dental](#) Assistant
- Certificate in ECG and CT Scan Technician
- Certificate in HIV and Family Education
- Certificate in Nutrition and Childcare
- Certificate in Rural Health Care
- Certificate in Home-Based Health Care

Paramedical Courses after 10th

There are various diploma and certificate paramedical courses after 10th for students aiming to pursue a career in paramedics fields. Here are the most popular Paramedical courses after the 10th:

Paramedical Courses	Duration	Fees
Diploma in Ayurvedic Nursing	1 year	INR 50,000 to 1 Lakhs
Diploma in Medical Record Technology	2 years	INR 2 Lakhs
Diploma in Nursing Care Assistant	1 – 2 years	INR 1.5 – 2 Lakh
Diploma in X-Ray Technology	2 years	INR 2 Lakhs to 3 Lakhs
MRI Technician (Certificate)	3 months to 1 year	INR 60,000
Certificate in Home Based Health Care	6 months to 2 years	INR 20,000-30,000

Diploma in Dialysis Techniques	2 years	INR 55,000
Diploma in Rural Health Care	1 year	INR 2 Lakhs
Home Health Aide (HHA)	4 months	INR 2,000 to 5,000

Paramedical Courses After Graduation

- PG Diploma in [Cardiac Pulmonary Perfusion](#)
- PG Diploma in Anesthesiology
- PG Diploma in Child Health
- PG Diploma in Medical Radio-Diagnosis
- Master of Paramedic Science
- Master of Paramedic Practitioner
- [Master in Physiotherapy](#)
- MS/MSc in Community Health Nursing
- MS/MSc in Medical Lab Technology
- MS/MSc in Obstetrics and Gynecology Nursing
- MS/MSc in Pediatric Nursing
- MS/MSc in Child Health Nursing
- MS/MSc in Psychiatric Nursing
- MD in Pathology
- MD in Anaesthesia
- MD in Radiodiagnosis
- PhD in Paramedical Science
- PhD (Integrated) in Paramedical Science

Master's Level Paramedical Courses (After MBBS/BSc/BDS/BHMS)

After completing a bachelor's course in Medical Science or its related specialisations such as Physiotherapy, Homeopathy, Nursing, etc, you can further pursue a master's level paramedical course to achieve expertise in any specific specialisation. Here are the best paramedical courses after MBBS, BSc, BDS, BHMS, BPT, etc:

Paramedical Courses	Duration	Fees
Master in Physiotherapy (MPT)	2 years	INR 2 Lakhs to 7 Lakhs
MD in Anaesthesia	3 years	INR 5 Lakhs to 25 Lakhs

Master in Physiotherapy – Sports Physiotherapy	2 years	INR 2 Lakhs
M.Sc. in Community Health Nursing	3 years	INR 4.3 Lakhs
MD in Pathology	3 years	INR 5 Lakhs to 25 Lakhs
Post Graduate Diploma in Child Health	2 years	INR 2 Lakhs to 6 Lakhs

Diploma Paramedical Courses List

Here is a list of top Diploma Paramedical Courses that you can try:

- Diploma in Gynaecology and Obstetrics
- Diploma in Child Health
- Diploma in Rural Health Care
- Diploma in Community Health Care
- Diploma in Orthopaedics
- Diploma in Ophthalmology
- Diploma in Optometry
- Diploma in Dermatology
- Diploma in Clinical Research
- Diploma in Dermatology, Venereology and Leprosy
- Diploma in Medical Record Technology
- Diploma in Medical Imaging Technology
- Diploma in Medical Lab Technology
- Diploma in Hearing Language and Speech
- Diploma in Operation Theatre Technology
- Diploma in OT Technician

Paramedical Courses Admissions

Here is an overview of Paramedical courses admissions

Visit the official website of your chosen university or college and go through the admission requirements of your chosen paramedical course.

- The applications of Paramedical courses admissions mainly opens in July or August every year. Candidates can fill the application form online along with fee payment and then proceed towards uploading the required documents.
- You might also be required to qualify certain exams to apply for Paramedical courses in India such as NEET UG & PG, AIIMS, MHT-CET, Occupational English Test, etc. Many universities also shortlist candidates based on the merit list.

Entrance Exams

Many colleges in India have their own [medical entrance exams](#) for paramedical courses and these exams have been mentioned in the next section.

NEET UG & PG

As a prominent entrance exam for medical programs, [NEET](#) is readily accepted by Indian as well as international medical schools. However, there are some [medical courses without NEET](#) which you can easily pursue. NEET UG is conducted in May every year with the registration process beginning in January, while on the other hand, [NEET-PG](#) is organised in January, and registration opens in the month of August in the previous year.

AIIMS

If you are aiming to apply for paramedical courses at All India Institute of Medical Sciences, then it is important to qualify for the AIIMS exam which is conducted in the month of May with the registration window opening in February.

MHT-CET

For those planning to study Paramedical courses like BSc Nursing, [Bachelor of Occupational Therapy](#), etc from institutes situated in Maharashtra, [MHT-CET](#) is an important entrance exam to qualify.

Occupational English Test

For those who wish to start their career in the healthcare sector in English speaking nations, clearing the [OET exam](#) is necessary. It is an English language assessment test which evaluates the Listening, Reading, Writing, and Speaking skills of the candidates.

[Medical Courses Without NEET](#)

[Ukraine Medical Universities](#)

Paramedical Courses List: Eligibility Criteria

The eligibility requirements for pursuing a program from the Paramedical courses list will differ as per the program and university you have chosen. However, some of the general requirements have been given a rundown below:

- You must have passed higher secondary education, i.e. 12th with [BiPC Subjects](#) from any recognized board with minimum marks specified by the university to pursue undergraduate courses.
- In order to apply for a master's degree, you must have completed your graduation in any discipline in the [Science stream](#).
- For PhD level courses, a master's degree is the prerequisite. Work and research experience might also be asked for.

If you are planning to study Paramedical courses abroad, you need to submit English proficiency scores of any of the exams such as [IELTS](#), [TOEFL](#), [PTE](#), or [Cambridge Board](#). Moreover, a [Statement of Purpose \(SOP\)](#), as well as [Letters of Recommendation \(LORs\)](#), are required at the time of application.

[Medical Transcription Course](#)

[Occupational Therapy Courses](#)

Top Paramedical Courses

B.Sc. in OTT (Operation Theater Technology)

As the name suggests, this course looks at specializing in operation theatre technologies. If you plan to get a degree in this course it will help you in developing a deeper understanding of how the operation theatre in a hospital works right from operating machinery to assisting a doctor in surgical performances.

BSc Radiology

This course looks at the technical aspects of how the machinery in the hospital works. Upon completion, you will be adept in operating machines like M.R.I and C.T. scans and will be able to examine the reports comprehensively.

B.Sc. in Audiology and Speech Therapy

This course specializes in communication disorders. Audiologists identify, measure and examine hearing disorders. Speech therapists and speech-language pathologists work together to determine the sources of communication problems and coordinate programs of rehabilitation. Graduates from this course can work in hospitals, rehabilitation centres, NGOs, etc.

Diploma in Rural Health Care

This course looks at sanitation, first aid and other medical facilities in rural areas. This course aims at educating students about basic health facilities and handling an emergency situation in poorly developed areas.

Diploma in Community Health Care

This course deals with providing healthcare and other medical facilities to certain communities or populations. This course is somewhat similar to a diploma in rural health care. This course prepares you to deal with medical emergencies on a large scale and in providing assistance for the same.

[BSc Cardiology](#)

[Medical Representative](#)

[BSc Optometry](#)

Top Colleges in India Offering Paramedical Courses

Here are the top colleges in India for Paramedical courses:

- University College of Medical Sciences, University of Delhi
- Chhatrapati Shivaji Maharaj University (CSMU), Navi Mumbai
- All India Institute of Medical Sciences (AIIMS)
- Armed Forces Medical College, Pune
- Swami Vivekanand Institute of Engineering & Technology (SVIET), Chandigarh
- Kasturba Medical College Manipal University, Manipal
- Christian Medical College, Ludhiana

Why Choose Paramedical as a Career

If you are passionate about helping people in their discomfort, it is one of the greatest fields you work in. The paramedical industry works hand-in-hand with the healthcare industry. Several Indian companies have been leading in this field and many skilled and qualified professionals are working in this industry.

The value of paramedics even increases during a pandemic as medicine is one of the most important factors to get out of the maze. The field is high-paced and challenging but it is equally rewarding as the industry.

Universities Offering Paramedical Courses Abroad

There are a number of [medical colleges](#) and universities that offer paramedical courses but it's important to choose a college that is best known for this field. Tabulated below are some of the leading names in the list of academic institutions when it comes to pursuing paramedical courses abroad:

University	Paramedical Courses
Auckland University of Technology	Diploma in Paramedic Science
TAFE Queensland	Diploma of Anaesthetic Technology
University of Southampton	BSc Cardiac Physiology
University of Pennsylvania	BSc Nursing
Monash University	Bachelor of Occupational Therapy
Flinders University	Bachelor of Paramedics Science
University of Hertfordshire	BSc (Hons) Paramedic Science

<u>University College Dublin</u>	MSc Emergency Medical Science
<u>Cardiff University</u>	MSc Radiography
<u>Edith Cowan University</u>	Graduate Certificate – Critical Care Paramedicine
<u>University of Leicester</u>	MSc/PG Cert Cancer Molecular Pathology and Therapeutics
<u>University of Delaware</u>	MS in Clinical Exercise Physiology
<u>University of Nottingham</u>	PGD in Nutritional Sciences

Other Universities to Consider

- [Indiana University](#), USA
- [University of East Anglia](#), UK
- [La Trobe University](#), Australia
- [University College Dublin](#), Ireland
- [Griffith University](#), Australia
- [The University of Western Australia](#)
- [Birmingham City University](#), UK
- [Sheffield Hallam University](#), UK
- St. George's University of London, UK

[RRB Paramedical Syllabus](#)

[Government Exams after 12th Science](#)

Career After Paramedical Courses

The paramedical sector has various lucrative job profiles on offer for those completing these [short-term courses](#). Here are the most popular jobs in the paramedical sector:

- Medical Laboratory Technician/Technologist
- [Physiotherapist](#)
- [Occupational Therapist](#)
- Rehabilitation Worker
- Audiologist and Speech Therapist
- [Radiographers](#)
- Nursery

Best Paramedical Courses with High Salary

As per Payscale, the average salary of a paramedic in India is 3 Lakhs and can vary as per the job profile and institution. The field of paramedical courses has several jobs that are high paying. Here are the details:

Job	Salary in International Standards
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Radiologist	INR 78 Lakhs
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<u>Occupational Therapist</u>	INR 60 Lakhs
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<u>Physiotherapist</u>	INR 50 Lakhs
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<u>Nurse</u>	INR 55 Lakhs
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Other Courses with Criteria –

1.Dialysis Technician

-2 Yrs 10+2 With PCMB

2ECG Technician or Cardiographic Technician

-2 Yrs 10+2 With PCMB

3 X- Ray Technician

-2 Yrs.

-10+2 With PCMB

Entrance Exam

4 Opretion theater Technician

-10+2 With PCB

Other Courses –

1 Bachlor of Physiotherapy

2 B.sc in OTT

3.Bsc in Dialysis Technology

4Bsc in MLT

5.Bsc in X –Ray Technology

6Bsc in Radiography

7Bsc in Medical Imaging Technology

8Bsc in Anaesthesia Technology