CAREER OPPORTUNITIES THROUGH BIOLOGY











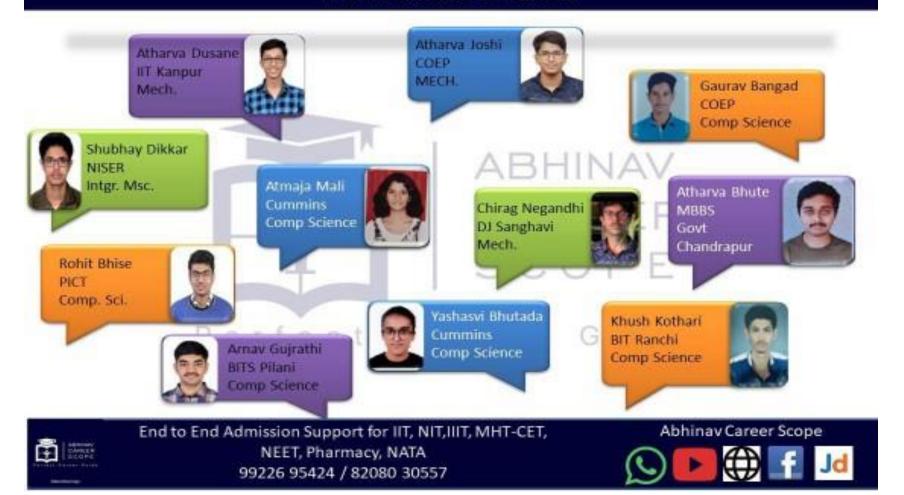
REENA BHUTADA
CAREER COUNSELLOR
ABHINAV CAREER SCOPE,
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STUDENTS WHO TOOK END TO END SUPPORT FOR ENGG ADMISSION PROCESS IN NEET, IIT, BIT-SAT & MHT-CET IN 2020

Our Happy Students Successfully Studying In The Following Top Institutions In 2020



Why Take Biology

It helps you learn how to conduct research, problem solve, organize and think critically. Desired is about uncovering the "what", "why", and most importantly the "how" of the living world around us.

- Its about studying organisms
- DIf you have interest in biology but don't want to become a doctor then research is your field.
- D You can learn latest research methods.

- The medical stream presents a lot of career options besides MBBS. We have diverse Medical Career Opportunities. There are over 60 specialties to choose from.
- D You can choose to work in hospitals or other healthcare facilities, research labs, or be a part of the medical department in other professional fields.
- There are Medicine graduates who manage health care costs in economic or sectors contribute to the legal work intended to verify medical errors and defend patients' rights.
- DIt all starts with choosing the right study path.



Eligibility

Academic Qualifications:

■ Standard XII (10+2) pass or equivalent examination in Science Stream(with PCB subjects) from any recognized board with minimum of 50% marks in aggregate or equivalent grade and minimum 50% marks in Biology Subject.

Exception: For some of the Medical streams like Pharmacy, BSc. in Forensic Sciences, etc. It is not necessary to have Biology as one of the subjects in class 12. Some courses does not require any entrance exams. Admissions can be done solely on 12th Board Marks.

OR

■ Selection Process in many colleges is through Entrance Test



Main Streams Available Biology

MBBS. Bachelor of Medicine, Bachelor of Surgery)

- BDS (Bachelor of Dental Surgery)
- BHMS (Bachelor of Homeopathic Medicine and Surgery)
- BAMS (Bachelor of Ayurvedic Medicine and Surgery)
- BUMS(Bachelor of Unani Medicine & Surgery)
- D Scientific Research and Scientist



Other Courses Available with Biology

- D Pharm (Diploma in Pharmacy)
- B Pharm (Bachelors in Pharmacy)
- Pharm D (Doctor of Pharmacy)
- Paramedical Sciences
- BPT(Bachelors in Physiotherapy)
- BRT (Bachelors in Radiotherapy and Technology)
- BSc (Chemistry, Botany, Zoology)
- BSc (Physiology)
- **■** BSc (Home Science)
- BSc (Agriculture)
- BFSc (Bachelor in Fisheries)
- BSc (Forensic Science)
- BSc (Food Technology)
- BSc Nursing

- BSc (Nursing Military Nursing Service{MNS})
- BSc (Food Technology)
- BSc (Environmental Science)
- **D** BSc (Medical Microbiology)
- BTech in Biotechnology
- BNYS(Bachelor of Naturopathy & Yogic Science)
- BVSc. AH.(Bachelor of Veterinary Science and Animal Husbandry)
- BASLP(Bachelor of Audiology & speech Language Pathology)
- **D** BMLT/ DMLT
- BOTh (Bachelor of Occupational Therapy
- BP&O (Bachelor in Prosthetics and Orthotics)





Perfect Career Guide

Medical Colleges in

| Sr. | College Type | Government Aid | ed College | Private (Un-Aided) College | | |
|-----|------------------|-----------------|--------------|----------------------------|--------------|--|
| No. | | No. of Colleges | No. of Seats | No. of Colleges | No. of Seats | |
| I | MBBS | 26 | 4430 | 31 | 4570 | |
| 2 | BDS | 4 | 294 | 33 | 3150 | |
| 3 | BAMS | 21 | 1662 | 53 | 3370 | |
| 4 | BHMS | 0 | 0 | 54 | 4180 | |
| 5 | BUMS | 3 | 180 | 3 | 160 | |
| 6 | B.V.Sc.A.H. | 5 | 287 | 0 | 0 | |
| 7 | B.P.Th | 4 | 90 | 37 | 1710 | |
| 8 | B.O.Th | 4 | 90 | 0 | 0 | |
| 9 | BASLP | 2 | 25 | 0 | 0 | |
| 10 | B.P.O | 1 | 15 | 0 | 0 | |
| 11 | B.Sc. NURSING | 4 | 200 | 101 | 4300 | |
| | Total | 73 | 7273 | 312 | 21440 | |

TopGovt. Universities/Colleges for

- AIRS (All India Has titute of Medical Science)
- AFMC(Armed Forces Medical College)
- Maulana Azad Medical College
- JIPMER(Jawaharlal Institute of Postgraduate Medical Education and Research)
- Aligarh Muslim University's Jawaharlal Nehru Medical College, Aligarh
- Osmania Medical College
- Institute of Postgraduate Medical Education and Research
- Vardhaman Mahavir Medical College and Safdarjung Hospital
- Government Medical College and Hospital

- Seth GS Medical College
- Sawai Man Singh Medical College
- Goa Medical College
- IMSBHU (Institute of Medical Sciences Banaras Hindu University)
- **D** BJ Government Medical College, Pune
- **D** BJ Medical College, Ahmedabad
- Madras Medical College
- Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow
- King George's Medical University, Lucknow



Leading Private Colleges for MBBS/BDS

- Behristan Medical College (Vellore, Ludhiana)
- St. John's Medical College Bangalore
- Kasturba Medical College (Manipal, Mangalore)
- M.S.Ramaiah Medical College Bangalore
- Shi Ramachandra Medical College and Research Institute
- D Jamia Hamdard, New Delhi
- D Christian Medical College, Ludhiana
- JSS Medical College and Hospital, Mysore
- Sharda University, Greater Noida

- DY Patil University, Navi Mumbai
- SRM Medical College Hospital and Research, Chennai



Leading Private Colleges for BAMS &

BHMS BAMS (AYURVEDIC)

- Tilak Ayurved Mahavidyalaya, Pune
- K G Mittal Ayurvedic College, Mumbai
- State Ayurvedic College and Hospital, Lucknow
- Ashtang Ayurved Mahavidyalaya, Pune
- Government Ayurved college and Hospital
- Dr. D Y Patil University, Pune
- Sumatibai Shah Ayurved Mahavidyalaya, Pune
- Patanjali Ayurved College, Haridwar
- Shree Guru Gobind Singh Tricentenary University, Gurgaon
- Institute of medical Sciences, Banaras Hindu university

BHMS (HOMIOPATHY)

- Nehru Homoeopathy College, Delhi
- National Institute of Homoeopathy, Kolkata
- Dr. BR Sur Homoeopathic College, Kolkata
- National Homoeopathy Medical College, Lucknow
- Lal Bahadur Shastri Homoeopathic Medical College,
 Allahabad
- Govt. Homoeopathy Medical College, Kozhikode
- Govt. Homoeopathy Medical College, Bhopal
- Govt. Homoeopathy Medical College, Patan (Gujarat)
- Govt. Homoeopathy College, Bengaluru
- Pt.JawaharlalNehru Homeopathic Medical College,





Perfect Career Guide

Top Colleges/Universities for Research

- IISc Bangalore (Indian Institute of Science)
- IISER (Indian Institute of Science Education and Research)

 Places- Thiruvananthapuram, Pune, Bhopal, Tirupati, Kolkata, Berhampur, Mohali)
- NISER (National Institute of Science Education and Research, Bhubaneshwar)
- Center of Excellence in Basic Science, Mumbai (UM-DAE-CEBS)
- St. Xavier's College, Mumbai (Best for Botany, Life Science, Microbiology & Zoology)
- St. Stephen's College, New Delhi
- Ramjas College, Delhi (Best for Botany, Zoology and Life Sciences)
- Manipal University (Best for Biotechnology, Medical Imaging Technology, Geology, Psychology)
- Loyola College, Chennai
- Anna University, Chennai



Entrance Examinations

- ▶ NEET (National Eligibility cum Entrance Test) for MBBS, BDS, BAMS, BHMS, B.P.Th etc
- **D** BHU PMT (Banaras Hindu University)
- CMC for Christian Medical College Vellore
- **D** CET's by various universities
- **DUMET** (Delhi University Medical/Dental Entrance Test)
- MET (Manipal Entrance Test)



NEET Paper Pattern

- The Entrance Test shall consist of 200 multiple choice questions (four options with a single correct answer) from Physics, Chemistry, and Biology (Botany & Zoology).
- **D** 50 questions in each subject will be divided into two sections (A and B) as per the details given below:

Section A shall consist of 35 (Thirty-five) Questions in each subject (Question Nos – I to 35, 5 I to 85, 10 I to 135, and 15 I to 185). All questions are compulsory.

Section B shall consist of 15 (Fifteen) Questions in each subject (Question Nos — 36 to 50, 86 to 100, 136 to 150, and 186 to 200). In Section B, a candidate needs to attempt any 10 (Ten) questions out of 15 (Fifteen) in each subject.

Candidates are advised to read all 15 questions in each subject of Section B before they start attempting the question paper. In the event of a candidate attempting more than ten questions, the first ten questions answered by the candidate shall be evaluated

Total Marks – 720 Time – 3 Hours 20 minutes

*Negative Marking System 1/4 less for a wrong question

MBBS Colleges In

| Sr. | State | Government | | Private | |
|-----|-------------------------|------------|-------|---------|-------|
| No. | | College | Seats | College | Seats |
| I | Andaman Nicobar Islands | I | 100 | 0 | 0 |
| 2 | Andhra Pradesh | 13 | 2410 | 18 | 2800 |
| 3 | Arunachal Pradesh | I | 50 | 0 | 0 |
| 4 | Assam | 7 | 1000 | 0 | 0 |
| 5 | Bihar | П | 1390 | 6 | 750 |
| 6 | Chandigarh | I | 150 | 0 | 0 |
| 7 | Chattisgarh | 7 | 895 | 3 | 450 |
| 8 | Dadra and Nagar Haveli | I | 150 | 0 | 0 |
| 9 | Delhi | 8 | 1222 | 2 | 200 |
| 10 | Goa | I | 180 | 0 | 0 |
| 11 | Gujrat | 17 | 3650 | 13 | 2000 |
| 12 | Haryana | 5 | 710 | 7 | 950 |
| 13 | Himachal Pradesh | 6 | 720 | I | 150 |
| 14 | Imphal | 0 | 0 | 0 | 0 |

MBBS Colleges In

| Sr. | State | Government | | Private | |
|-----|-------------------|------------|-------|---------|-------|
| No. | O | | Seats | College | Seats |
| 15 | Jammu and Kashmir | 8 | 985 | T | 100 |
| 16 | Jharkhand | 7 | 630 | I | 150 |
| 17 | Karnataka | 19 | 2900 | 41 | 6445 |
| 18 | Kerala | 10 | 1555 | 21 | 2550 |
| 19 | Madhya Pradesh | 14 | 2135 | 9 | 1450 |
| 20 | Maharashtra | 26 | 4430 | 31 | 4570 |
| 21 | Manipur | 2 | 225 | 0 | 0 |
| 22 | Meghalaya | I | 50 | 0 | 0 |
| 23 | Mizoram | I | 100 | 0 | 0 |
| 24 | Orissa | 8 | 1250 | 4 | 700 |
| 25 | Pondicherry | 2 | 380 | 7 | 1150 |
| 26 | Punjab | 4 | 650 | 6 | 775 |
| 27 | Rajasthan | 16 | 2900 | 8 | 1300 |
| 28 | Sikkim | 0 | 0 | I | 50 |

MBBS Colleges In

| Sr. | State | Government | | Private | |
|-----|---------------|------------|-------|---------|-------|
| No. | | College | Seats | College | Seats |
| 29 | Tamil Nadu | 26 | 3650 | 26 | 4350 |
| 30 | Telangana | П | 1790 | 23 | 3450 |
| 31 | Tripura | I | 125 | I | 100 |
| 32 | Uttarakhand | 4 | 525 | 2 | 300 |
| 33 | Uttar Pradesh | 26 | 3178 | 31 | 4250 |
| 34 | West Bengal | 20 | 3150 | 6 | 850 |

DGovernment College - 285 Seats - 43,235

Private College - 269
Seats - 39,840



Maharashtra GOVT. MBBS College Cut-Off for

| Name of College | General | Gen-EWS | OBC- NCL | SC | ST | PWD |
|--------------------|---------|---------|-------------|-----|-----|-----|
| GMC Mumbai | 601 | 528 | 563 | 476 | 357 | 109 |
| GMSC Mumbai | 636 | 563 | 595 | 505 | 377 | 107 |
| ВЈМС | 600 | 526 | 560 | 460 | 354 | 112 |
| GGMC, Gondia | 528 | 489 | 526 | 450 | 302 | 333 |



NEET Cut-Off Score For All India

Admissions

| Sr. No. | Category | 2018-2019 | | 2019-2020 | |
|---------|-------------|------------------|-------------------|------------------|----------------------|
| | | Cut-Off Marks | No. of Candidates | Cut-Off Marks | No. of Candidates |
| I | GEN/GEN-EWS | 701-134 | 704335 | 720-147 | 682406 |
| 2 | OBC-NCL | 133-107 | 67789 | 146-113 | 61265 |
| 3 | SC | 133-107 | 20009 | 146-113 | 19572 |
| 4 | ST | 133-107 | 8455 | 146-113 | 7837 |
| 5 | PWD | 119-107 | 454 | 128-113 | 320 |



Best Colleges in Different Medical

Fields

Veterinary (BVSc & AH Degree Course)

- Madras Veterinary College, Chennai
- Paonta Sahib University, Himachal Pradesh
- Pantnagar University, Uttarakhand

Agriculture (PCB- BSc {Hons})

- ICAR (Indian Council of Agriculture Research)
- Agricultural Engineering College & Research (Bhopal, Ludhiana, Mumbai, Kolkata, Ranchi, New Delhi)
- Rani Lakshmi Bai Central Agricultural University (RLBCAU), Uttar Pradesh
- D Chaudhary Charan Singh Haryana Agricultural University

Psychology & Research

- Lady Shriram College for Women, New Delhi
- Indian Institute of Psychology and Research (IIPR), Bengaluru
- NIMHANS (National Institute of Mental Health & Neurosciences Sciences), Bengaluru
- Christ University, Bengaluru
- Mount Carmel, Bengaluru
- Madras School of Social Work, Chennai
- Presidency college, Bengaluru
- Stella Maris, Chennai
- St. Xavier's College, Mumbai

BS Optometry

D BITS Pilani



Perfect Career Guide

Physiotherapy BPT

Eligibility

10+2 with PCB/PCMB

NEET is not compulsory for private Colleges.

NEET is compulsory for Government Colleges.

Top Government Colleges

- > National Institute for the Orthopaedically Handicapped,(NIOH)Kolkata
- > Pt. Deen Dayal Upadhyaya Institute for physically Handicapped ,New Delhi
- > Swami Vivekanand Natioanl Institute of Rehabilitation Training and Research(SVNIRTAR), Cuttak

Top Private Colleges

- > Apollo Physiotherapy College, Andra Pradesh
- > Amity Institute of Physiotherapy
- > Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry
- > Post Graduate Institute of Medical Education & Research, Chandigarh

Job Opportunities

Hospitals, Nursing Home, Trauma Centre, Fitness Centre, Therapy Manger, Research Assistant, Assistant Physiotherapist, Lecturer, Injury Care Centre, Sports Club

Best Colleges in Different Medical

Parameteal Cosrses

- AIIMS (BSc {Hons} Nursing, BSc Ophthalmic
 Techniques, BSc Medical Technology in
 Radiography)
- JIPMER (BASLP ,Various BSc like nuclear Medicine Technology, Dialysis Technology, Neuro Technology, Operation Theatre Technology, Perfusion Technology, Radiotherapy Technology, etc.)
- NIMHANS (BSc. Nursing, BSc. Radiography, BSc Anesthesia Technology, Best for Mental Health and Neuro Sciences)

Food Technology(BSc Course)

- Indian Institute of Food Processing
 Technology (IIFPT), Thanjavur
- National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Sonipat
- Agricultural Engineering College and Research Institute, Coimbatore



Career Opportunities in Medical Field

- Medical Science and Dental Science
- Biotechnology
- Neuroscience and Al
- Biophysics
- Bioinformatics
- Biochemistry
- Healthcare and data mining

- Microbiology
- Molecular biology
- Pathology
- Physiology
- Biomedical Engineering
- Ayurveda, Homeopathy and Unani
- Veterinary Science
- And Many More



Career Opportunities in Medical

Companies, Medical Colleges, Biotechnology Companies or can do his own Private Practice.

- D Student who have interest in biology but don't want to become a doctor they must go for research. Researchers are "Doctors without Borders".
- D Students who are from economical weaker background and want to support their family as quickly as possible then they can opt for various BSc courses mentioned in the above slide.







Abhinay Career Scope

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MHT-CET / JEE

Admission Process Counselling Guidance for Engineering Admission in Maharashtra



LIMITED SEATS ONLY....

PRICE APPOINTMENT MUST FOR MEETING

Personalized Counseling

- Impleasing editionals process courseling
- Assistation and suggestion for all the aptions available on basis of your MEE / HHT-CET / NIT-SAT SQUEE
- Pilling up of online preference / option forms.
- Comparative analysis of options available on your score and rank.
- Guidance for online admission process, option form filling, setting right sequence on basis of your interest, choice, university / city preference stc...
- Guidance in every admission round to decide when to take admission or to wait for rest round.) Proops / Plant / Side Decisions
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- Perfect documentation as per your category.
- Detailed information about colleges and courses, Patient Scope of bearings.
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GET THE GUIDANCE FROM EXPERT IN THE FIELD AT IMPORTANT TIME IN ADMISSION PROCESS!

Counselling will be online for all students and parents.



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Our Testimonials For Engineering Paid What's App Group

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- Option Form Filling Assistance available.
- Engineering Admission Support available.



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- *Entry fees for this group is Rs. 1000/-
- Option form filling assistance available.
- Engineering admission support available.

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- Offering Personalized Support Tailored To Individual Goals & Aspirations.
- **Guidance & Resources For Standardized Tests** Like SAT, ACT, TOEFL, & IELTS.
- Assistance With Application Completion, Essay Writing, & Document Preparation.
- Comprehensive Knowledge Of Global Admission Procedures, Criteria, & Patterns



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