



CAREER GUIDANCE PREPARED FOR
Master Pradeep Sudakar



Career Goal

Mathematics & Computer Science

Thursday 16, July 2020



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ANNA UNIVERSITY

FACULTY OF INFORMATION & COMMUNICATION ENGINEERING

- B.E. Computer Science and Engineering
- B.E. Electronics and Communication Engg
- B.E. Biomedical Engineering
- B.Tech. Information Technology

FACULTY OF SCIENCE AND HUMANITIES

- M.Sc. Computer Science (5 years)
- M.Sc. Information Technology (5 years)
- M.Sc. Electronic Media (5 years)



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ANNA UNIVERSITY – MIT CHROMPET

Department of Computer Science and Engineering
B.E Computer Science and Engineering

Department of Information Technology
B.Tech Information Technology

ADMISSION
MERIT, THRU TNEA Counselling



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National Entrance Screening Test



NEST

Government of India

National Entrance Screening Test (NEST) is a compulsory test for students seeking admission to **National Institute of Science Education and Research (NISER) Bhubaneswar and University of Mumbai - Department of Atomic Energy Centre for Excellence in Basic Sciences (UM-DAE CEBS), Mumbai**. Both NISER and UM-DAE CEBS were set up by Department of Atomic Energy, Government of India

Admission to 5-Year Integrated MSc Programmes in Biology, Chemistry, Mathematics and Physics at NISER (Bhubaneswar) and UM-DAE CEBS (Mumbai)

(Autonomous Institution under Department of Atomic Energy, Govt. of India)

NISER offers a 5 year integrated M.Sc. programme in Biological, Chemical, Mathematical and Physical sciences



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JEE (Main)

Joint Entrance Examination



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(A) LIST OF COURSES IN IITs across great INDIA

1. Applied Mathematics
2. Artificial Intelligence
3. BS in Mathematics
4. Computer Science and Engineering
5. Data Science and Engineering
6. Mathematics and Computing
7. Mathematics and Scientific Computing

(B) LIST OF COURSES IN NITs across great INDIA

1. Computer Science and Engineering
2. Information Technology
3. Mathematics
4. Mathematics and Computing

(C) LIST OF COURSES IN IIITs across great INDIA

1. Computer Engineering
2. Computer Science
3. Computer Science and Engineering
4. Information Technology
5. Information Technology-Business Informatics

(D) LIST OF COURSES IN GFTIs across great INDIA

1. Computer Engineering
2. Computer Science
3. Computer Science and Engineering
4. Data Science and Artificial Intelligence
5. Information Technology



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WHERE I CAN STUDY?

(A) NATIONAL INSTITUTE OF TECHNOLOGIES in INDIA

- | | |
|--------------------------------|-----------------------------------|
| NIT Allahabad (MNNIT), 1961 | NIT Surat (SVNIT), 1961 |
| NIT Bhopal (MANIT), 1960 | NIT Trichy (NITT), 1964 |
| NIT Calicut (NITC), 1961 | NIT Patna (NITP), 1886 |
| NIT Hamirpur (NITH), 1986 | NIT Raipur (NITRR), 1956 |
| NIT Jaipur (MNIT), 1963 | NIT Agartala (NITA), 1965 |
| NIT Jalandhar (NITJ), 1987 | NIT Arunachal Pradesh (NITAP) |
| NIT Jamshedpur (NITJSR), 1960 | NIT Delhi (NITD), 2010 |
| NIT Kurukshetra (NITKKR), 1963 | NIT Goa (NITG), 2010 |
| NIT Nagpur (VNIT), 1960 | NIT Manipur (NITMN), 2010 |
| NIT Rourkela (NITRKL), 1961 | NIT Meghalaya (NITM), 2010 |
| NIT Silchar (NITS), 1967 | NIT Mizoram (NITMZ), 2010 |
| NIT Karnataka (NITK), 1960 | NIT Nagaland (NITN), 2010 |
| NIT Warangal (NITW), 1959 | NIT Puducherry (NITPY), 2010 |
| NIT Durgapur (NITDGP), 1960 | NIT Sikkim (NITSKM), 2010 |
| NIT Srinagar (NITSRI), 1960 | NIT Uttarakhand (NITUK), 2010 |
| | NIT Andhra Pradesh (NITANP), 2015 |

(B) INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, Shibpur, Kolkatta 1856

(C) NATIONAL INSTITUTE INFORMATION OF TECHNOLOGIES in INDIA

Admissions into undergraduate programmes in IIITs for more than 4,000 seats are through the Joint Seat Allocation Authority and JEE-Main.



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MHRD Funded Institute, Govt of India

1. Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior
2. Indian Institute of Information Technology, Allahabad
3. Indian Institute of Information Technology, Design and Manufacturing, Jabalpur
4. Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram
5. Indian Institute of Information Technology Design and Manufacturing, Kurnool

Indian Institutes of Information Technology (IIITs) established under the non-profit Public-Private Partnership and is a funded by the Government of India, State Government and the Indian industry partners in the ratio of 50:35:15. Industry partners include Tata Consultancy Services (TCS), Cognizant Technology Solutions (CTS), Infosys, Ramco Systems, ELCOT, and Navitas (Take Solutions) etc. . .

(D) Public Private Partnership Model, Govt of India

1. Indian Institute of Information Technology, Sri City
2. Indian Institute of Information Technology, Guwahati
3. Indian Institute of Information Technology, Vadodara
4. Indian Institute of Information Technology, Kota
5. Indian Institute of Information Technology, Tiruchirappalli
6. Indian Institute of Information Technology, Una
7. Indian Institute of Information Technology, Sonapat
8. Indian Institute of Information Technology, Kalyani
9. Indian Institute of Information Technology, Lucknow
10. Indian Institute of Information Technology, Dharwad
11. Indian Institute of Information Technology, Kottayam
12. Indian Institute of Information Technology, Manipur
13. Indian Institute of Information Technology, Nagpur
14. Indian Institute of Information Technology, Pune
15. Indian Institute of Information Technology, Ranchi
16. Indian Institute of Information Technology, Surat
17. Indian Institute of Information Technology, Bhopal
18. Indian Institute of Information Technology, Bhagalpur



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(E) CENTRALISED FUNDED TECHNOLOGY INTUITIONS

1. Assam University, Silchar
2. Birla Institute of Technology, Mesra, Ranchi
3. Gurukula Kangri Vishwavidyalaya, Haridwar
4. Indian Institute of Carpet Technology, Bhadohi
5. Institute of Infrastructure, Technology, Research and Management-Ahmedabad
6. Institute of Technology, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur.
7. J.K. Institute of Applied Physics & Technology, Department of Electronics & Communication, University of Allahabad- Allahabad
8. National Institute of Electronics and Information Technology, Aurangabad (Maharashtra)
9. National Institute of Foundry & Forge Technology, Hatia, Ranchi
10. Sant Longowal Institute of Engineering and Technology
11. Mizoram University, Aizawl
12. School of Engineering, Tezpur University, Napaam, Tezpur
13. School of Planning & Architecture, Bhopal
14. School of Planning & Architecture, New Delhi
15. School of Planning & Architecture: Vijayawada
16. Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir
17. Indian Institute of Engineering Science and Technology, Shibpur
18. HNB Garhwal University Srinagar (Garhwal)
19. International Institute of Information Technology, Naya Raipur
20. University of Hyderabad
21. Punjab Engineering College, Chandigarh
22. Jawaharlal Nehru University, Delhi
23. International Institute of Information Technology, Bhubaneswar
24. Central institute of Technology Kokrajar, Assam
25. Pondicherry Engineering College, Puducherry
26. Ghani Khan Choudhary Institute of Engineering and Technology, Malda, West Bengal
27. Central University of Rajasthan, Rajasthan
28. National Institute of Food Technology Entrepreneurship and Management, Sonapat, Haryana



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Forensics Science Cyber Security

B.Tech. in Computer Science and Engineering (Cyber Security)
SRM IST - SRM Institute of Science and Technology, Chennai

M.Sc. in Information and Cyber Security
NSHM Knowledge Campus, Kolkata , Tollygunge

B.Sc. (Hons) in Computer Application and Cyber Security
Jharkhand Raksha Shakti University , Ranchi

B.Sc in IT (Cryptography & Network Security)

B.Sc in IT (Cyber Security)

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL



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CENTRE WITH POTENTIAL FOR EXCELLENCE IN PARTICULAR AREA — CPEPA

18	University of Calcutta, West Bengal	Electro-Physiological and Neuro-imaging studies including mathematical modelling
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INSTITUTION RANKING



National Institutional Ranking Framework
Ministry of Human Resource Development
Government of India





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LIST OF ENGINEERING STREAM by AICTE

1. COMPUTER AIDED DESIGN AND MANUFACTURE
2. COMPUTER AIDED DESIGN MANUFACTURE AND AUTOMATION
3. COMPUTER AND COMMUNICATION
4. COMPUTER ENGINEERING
5. COMPUTER INTEGRATED MANUFACTURING
6. COMPUTER NETWORKING AND ENGINEERING
7. COMPUTER SCIENCE & ENGINEERING
8. COMPUTER SCIENCE
9. COMPUTER SCIENCE & ENGINEERING
10. COMPUTER SCIENCE & TECHNOLOGY
11. COMPUTER SCIENCE AND ENGINEERING
12. COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
13. COMPUTER SCIENCE AND TECHNOLOGY
14. COMPUTER TECHNOLOGY
43. DIGITAL COMMUNICATIONS AND NETWORKING
83. INFORMATION SCIENCE AND ENGINEERING
84. INFORMATION TECHNOLOGY
109. NANO TECHNOLOGY



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**DATA SCIENCE
DATA ANALYTICS
STATISTICS
MATHEMATICS
ARTIFITIAL INTELLIGENCE
NANO SCIENCE**

**B.Sc., (Hons) Robotics and Artificial Intelligence
B.Sc., (Hons) Data Science
AMET, Chennai**

**B.Sc.(Hons.) in Mathematics and Computing
M.Sc in Mathematics with Data Science
M.A./M.Sc. in Computational Finance
Institute of Mathematics & Applications, Bhubaneswar**

**Data Science
Indian Institutes of Science Education and Research (IISERs)**



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**M.Sc. Computer Science (Big Data Analytics)
Central University, Rajasthan**

B.Sc. (Hons.) in Mathematics and Computer Science (3 year course).

B.Sc. (Hons.) in Mathematics and Physics (3 year course).

M.Sc. in Mathematics.

M.Sc. in Computer Science.

M.Sc. in Data Science.

CMI, Siruseri