Why is the passing of BRAI bill a necessity?

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BioSpectrum

the business of bioscience

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10TH Anniversary

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Biotech Schools

Top Public Schools

1 > Institute of Chemical Technology, Mumbai
2 > University of Hyderabad, Hyderabad
3 > Jawaharlal Nehru University, New Delhi
4 > Jamia Hamdard University, New Delhi
5 > Tezpur University, Sonitpur
6 > Indian Institute of Technology, Mumbai
7 > Guru Gobind Singh Indraprastha University, Delhi
8 > Shivaji University, Kolhapur
9 > Banaras Hindu University, Varanasi
10 > Guru Ghasidas Vishwavidyalaya, Bilaspur

Top Private Schools

1 > Jaypee University of Information Technology, Solan
2 > Shoolini University of Biotechnology and Management, Solan
3 > SASTRA University, Thanjavur
4 > KS Rangasamy College of Technology, Namakkal
5 > KIIT University, Bhubaneswar
6 > Jaipur National University, Jaipur
7 > New Horizon College of Engineering, Bangalore
8 > The Oxford College of Science, Bangalore
9 > Reva Institute of Science and Management, Bangalore
10 > Jaypee Institute of Information Technology, Noida

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Jaypee University of Information Technology Solan

The department at Jaypee University of Information Technology offers four-year BTech programs in biotechnology and bioinformatics, a dual degree five-year MTech program in biotechnology and a six-year dual degree BPharm-MPharm course. During the academic year 2012-13, the department received close to 1,500 applications for 30 seats in MTech biotechnology. Out of the 50 applications recieved for the MTech computational biology course, only five students were admitted. The department has commissioned projects worth ₹55 lakh sponsored by the industry. The department is equipped with about 35 labs providing hands-on training in various areas of biotechnology. So far close to 260 biotech related research papers from the department have been published in national journals and similarly about 300 research papers have found place in international journals. The department has transferred five products to the industry in the last three years. It has got 23 Indian and two international patents. A total of eight products developed by this department has been transferred to the industry between June 2010 and May 2012. Totally 40 R&D projects of the department have been funded through competitive schemes by all major agencies of India. The department has been awarded the "ABLE Award 2013" for outstanding contribution in biotechnology education in India. JUIT has been the only private university to have been awarded a DBT Center of Excellence worth ₹8 crore.

Name of the Department:
Department of Biotechnology and Bioinformatics

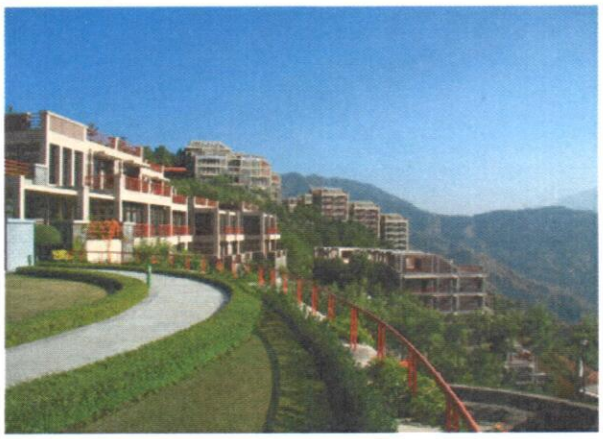
Courses:
BTech in biotechnology and bioinformatics, Integrated MTech in biotechnology

Coordinator:
Dr RS Chauhan

Website:
www.juit.ac.in/bio/bio.php

Biotechnology & Bioinformatics
Jaypee University of Information (JUIT) Technology, Waknaghat, Solan-173234

Tel:01792-239203. FAX: 01792-245362



Education in a Research Intensive Environment

The Department of Biotechnology & Bioinformatics has gained national and international distinction in Biotechnology education and research through its UG and PG programs - B.Tech. Biotechnology, B.Tech. Bioinformatics, B.Pharm, M.Tech. Biotechnology, M.Tech Computational Biology, M.Pharmacy and Ph.D. The placement of alumni in industries of repute such as Celera Genomics, USA; HCL Life Sciences; Accenture; Wipro; Infosys; Panacea Biotech; Ranbaxy, etc. and higher education from top ranking institutions such as Carnegie Mellon University, USA; John Hopkins University, USA; University of Bonn, Germany; Georgia Institute of Technology, USA; University of Hong Kong; Max Planck Research School, Germany, are benchmarks of our high quality education.

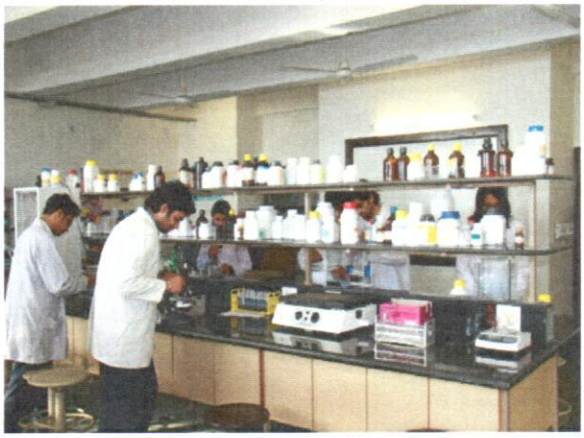
The Biotech program of the University has twice been ranked at No 1 (Year 2010 and 2012) by the Biospectrum in the last three years, among private institutions of the country. On March 11, 2013 the Association of Biotech Lead Enterprises (ABLE) has honoured JUIT as one of the best private biotech educational institutions in the country for doing outstanding research and education due to its strong R&D program, up-to-date educational curricula, modern laboratory infrastructure, and highly qualified faculty. Credit has to be given to the University management who has invested ~Rs. 20.0 crore to develop research infrastructure in biotechnology and bioinformatics.

The University has implemented R&D projects worth Rs. 15.0 crores, including prestigious ones such as a DBT programme support under Centers of Excellence & Innovation in Biotechnology, DBT RGYI, DST-FIST, etc. in addition to DRDO, MoEF, ICMR funding. The Department has a unique distinction of running 12 DST FAST-TRACK projects.

Competent Faculty

The Department faculty is trained in world class institutions in modern areas such as genomics, proteomics, bioprocess engineering, systems biology, medicinal chemistry, nanobiotechnology, computational biology, environmental biotechnology, microbial pathogens, cancer biology, metabolic engineering, biomaterial engineering, computational drug discovery, etc. The research outcome of the faculty has been recognized through publications in high impact journals, 14 patents, best paper awards in national and international conferences, individual awards such as Ramanujan Fellowship, Young Scientist award of the Indian Science Congress Association, DST BOYSCAST fellowships, etc.

JUIT has a unique distinction of providing teaching/research assistantships to all its PhD scholars and high GATE score M.Tech. students. Further, Biotechnology researchers of the University are venturing into modern areas of research such as nano-biotechnology, synthetic biology, biosensors, stem cells and regenerative medicine, metabolic engineering, etc. so as to remain at the forefront of biotech education and research at the global level.



Industry and Academia Collaborations

The University has been on a continuous look out for setting up collaborations with the industries and academic institutions of repute so as to build on complementary strengths and visions. The notable industry initiatives have been the Novozymes, Jubilant Life Sciences, Panacea, Cadbury, etc. The University of California, Berkeley, USA,; Victoria University, Melbourne, Australia; John Innes Center, Norwich, UK; Louisiana Tech University, USA; Joint BioEnergy Institute, Emeryville, California, USA; and University of Florida, USA are our current academic collaborators.

State-of-the-Art Infrastructure

One thousand sq. m of working space with 20 labs equipped with modern equipments such as LC-MS, Q-TOF, 2-D Electrophoresis, genome sequencer, atomic absorption spectrophotometer, bioreactors, animal and plant cell cultures facilities, pulsed field electrophoresis, gene pulsar, LP system, preparative HPLC, GC, fluorescent microscope, ELISA reader, high end servers and workstations.