

One Year Full Time PG Certificate Programme in
**DATA ANALYTICS AND MANAGEMENT IN
BIOINFORMATICS**

(2020-21)

PSG COLLEGE OF TECHNOLOGY, COIMBATORE

Funded by

THE DEPARTMENT OF BIOTECHNOLOGY, GOI



In the “Omics” era of Biology, the data has already reached petabytes and even exabytes. With this massive information outburst, there exists a growing need in man power to handle, manage, analyze and interpret the complexity of information from heterogeneous sources. This basic understanding to face the biological data enables its further application in translational and personalized medicine. The scenario also opens up wonderful opportunities for the Biotechnologists, Health care Engineers and Computational specialists to work in an inter disciplinary computational pipeline to solve problems in Biological data analyses.

PSG College of Technology is an ISO 9001:2015 certified 70 year old Educational Institution offering high quality Engineering and Technical education programs in various disciplines. The Department of Biotechnology was started in the year 2000 and PG program was started in the year 2006. The Department trains multi-talented engineers to meet challenges arising from Life science related technologies.

This PG Certificate program in Data analytics and management in Bioinformatics is framed in discussion with Industry experts to cater the needs of the Industry. The course is offered in collaboration with the Department of Computer Science and Engineering and Biomedical Engineering, so that an effective course delivery is given to the enrolled students. Candidates will have hands on training in handling and managing big data in biological sciences and apply their knowledge in solving problems related with basic and clinical research in a holistic approach. After successful completion of the course and qualifying the exam to be conducted by the Life Science Sector Skill Development Council (LSSSDC), the candidates are eligible to receive certificate from LSSSDC, National Skill Development Portal.

The programme includes theory and practical in the fields of Computational Biology, Basics of Programming languages, Perl, Python, R programming, Biostatistics, Next generation sequencing methods and other Biological big data generation, management and handling. Students will be provided internship and placement assistance. **The programme tentatively commences by the First week of January 2021.**

Theory and laboratory courses will be conducted at PSG College of Technology in the first nine months and the remaining period will be mainly devoted to internship training at various identified industries. Hostel accommodation will be available at PSGCT, Coimbatore, upon availability, on extra payment.

ELIGIBILITY:

Candidates with B.E./B.Tech. Degree in Biotechnology/Bioinformatics/Biomedical Engineering/Computer Science and Engineering/ M.Sc., in Biotechnology/ Bioinformatics/Biochemistry

STIPENDSHIP

As per the norms of DBT, Candidates with BE/B Tech degree in Biotechnology / Bioinformatics and MSc in Biotechnology / Bioinformatics are eligible to receive a **stipendship of Rs. 10,000/- per month** for the entire duration of the Program. Candidates with a minimum aggregate of 6.5 CGPA or 65% in UG shall only be selected.

ENTRANCE EXAM: Syllabus covers Bioinformatics, Biochemistry, Cell Biology, Molecular Biology, Genomics and Proteomics, General aptitude, Basic Mathematics and English language proficiency.

COURSE DURATION: 12 months

SELECTION PROCESS: Candidates will be selected based on online test and interview.

Last Date for Receipt of Applications:

Dec 25, 2020

The date for online entrance exam and Interview will be intimated to the applied candidates.

COURSE FEE DETAILS: Educational course fee:

Rs. 50,000/- (Payable in two terms).

HOW TO APPLY:

Registration Link:

<https://forms.gle/zCQHE3YL14TUx23Z6>

The application fee is Rs.300 (Non refundable).

Modes of payment : Online transfer:

Account Name: **PSG Centre for Non formal and Continuing Education, Acc. No: 1481267367**

Branch: **Central Bank of India, Peelamedu, Coimbatore. IFSC Code: CBIN0280913**

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