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## Admission to the Postgraduate Diploma in Next Generation OMICS Technologies and Applications

In the dynamic world of science and technology, OMICS has emerged as a groundbreaking discipline, providing a holistic view of living organisms at a molecular level. With the potential to reshape medicine, biotechnology, and agriculture, OMICS is at the forefront of cutting-edge research. However, the rapid advancements and complex nature of OMICS technologies present significant challenges.

To meet the growing demands and complexities of this field, IIT Jodhpur, in collaboration with industry partners, presents the Postgraduate Diploma in Next Generation OMICS Technologies and Applications. This comprehensive program is skill-based and designed to equip you with the knowledge and expertise necessary to thrive in this rapidly evolving OMICS domain. We offer three flexible programs: **a six-month Basics Certificate Program I, a six-month advanced Certificate Program II, and a combined one-year PG diploma program.**

By applying to this program, you will embark on a transformative journey, gaining proficiency in state-of-the-art data analysis methods for OMICS, high-throughput sequencing technologies, bioinformatics, OMICS experiments, and precision medicine. You will be able to acquire hands-on experience in cutting-edge laboratories, working with industry-standard equipment and software. Our distinguished faculty members, comprising leading experts from academia and industry, ensure you receive the highest quality of training and remain at the forefront of OMICS advancements.

Enroll in the Postgraduate Diploma in Next Generation OMICS Technologies and Applications at IIT Jodhpur today and embark on an exciting journey towards a fulfilling and impactful career.

### **Eligibility:**

- (i) The applicant must have a bachelor's degree in engineering or science or medicine (minimum 4-year program) or a master's degree in bioengineering or bioscience or in a related field.
- (ii) A minimum of 60% marks in UG/PG or a minimum CGPA of 6.0 on a scale of 10 with corresponding proportional requirements when the scales are other than 10.
- (iii) Preference will be given to working professionals in industry/R&D laboratories/Academic Institutions.
- (iv) The applicant must qualify for the written test and /or interview conducted by IIT Jodhpur or its appointed partner.

### **Program Fees:**

The fee structure for the different programs is as follows:

- Certificate I: The fee for this basic certificate program is Rs 1,20,000
- Certificate II: The fee for this advanced certificate program is Rs 1,50,000 exclusive of the immersion fees. After Completion of Certificate II, to further successfully enroll in PG Diploma, the candidate has to pay an additional programme fee of Rs 1,00,000.
- PG Diploma: The fee for the PG diploma program is Rs 2,50,000 exclusive of the immersion fees.

- Campus immersion fees (excluding lodging and food costs): Rs. 10,000.

### **Selection Procedure:**

Candidates must complete an online application at [https://oa.iitj.ac.in/PG\\_ADMISSION/](https://oa.iitj.ac.in/PG_ADMISSION/). The selection process for admission will be based on a combination of factors, including written tests, interviews, and other criteria determined appropriate by the admission committee. Preference will be given to candidates with prior research exposure and/or industry experience in areas related to molecular biology, biotechnology, bioengineering, or bioinformatics. Such experience will be considered advantageous during the selection process. The admission committee reserves the right to establish specific cut-off criteria for shortlisting candidates. It is important to note that meeting the eligibility criteria alone does not guarantee shortlisting, as the criteria for shortlisting candidates are often more rigorous than the general eligibility requirements.

### **Features of the program:**

#### **A. Teaching Approach:**

- Classes will be conducted online interactively and in-person during the campus immersion (only for Certificate II and PG diploma programs). Students will have the opportunity to engage during the lectures actively. The recorded lectures and instructional resources will be made available online.
- Attendance will be recorded both online and in person during campus immersion.
- Participants must complete the compulsory course requirements, but they will have the flexibility to select the elective courses based on their interests.

#### **B. Credit requirements:**

- Certificate Program I: To complete the Certificate Program, participants must earn 13 credits, corresponding to approximately 210 hours. The program comprises four compulsory courses and one elective course.
- Certificate Program II: This program is designed for participants aiming for advanced training in OMICS. The candidates who are applying only for the Certificate II program must have completed similar courses as in Certificate I through prior formal academic training. To complete Certificate II program, candidates must earn 15 credits, equivalent to approximately 210 hours. This program consists of four compulsory courses (including a mini project) and one elective course.
- PG Diploma: It is an intensive and comprehensive program that combines the content of both the Certificate Program I and the Certificate Program II. Students must earn 28 credits, corresponding to approximately 420 hours of study. This program includes eight compulsory courses and two elective courses including an industry oriented mini project. Participants who wish to obtain a PG Diploma while enrolled through Certificate Program II have to earn additional 13 credits from the specified booklet of elective courses.

#### **C. Campus Immersion and Mini Project:**

- The PG diploma program and Certificate program II includes campus immersion and a mini-project. Participants will engage in dry or wet lab sessions, enabling them to gain practical skills and insights. During this period, participants will have the unique opportunity to interact with industry experts and esteemed faculty members, learning from their vast expertise and experiences. In addition, participants

will undertake a mini-project in collaboration with either an industry partner or IITJ faculty members. It will help them to apply their knowledge in real-world scenarios and gain practical exposure in the OMIC domain.

D. Assessment: Grading will be based on continuous assessments, quizzes, assignments, and examinations throughout the semester.

#### **Placement support for toppers:**

The top-performing participants will receive support for placement in reputable companies. By leveraging our network of industry partnerships, we strive to facilitate a seamless transition of the participants to professional careers, ensuring their continued growth and advancement.

#### **IMPORTANT DATES:**

Milestone	Date
Last date of filling online application form	Throughout the year
Cut-off date for an application to be considered for the admission process	20 April (for Semester I) 31 January (for Semester II)
Announcement of shortlisted applicants for the admission process	25 April (for Semester I) 5 February (for Semester II)
Date of written test and/or Interview	To be announced

#### **Application Procedure:**

Applicants are requested to use the following link to fill out and submit the application form online:

[https://oa.iitj.ac.in/PG\\_ADMISSION/](https://oa.iitj.ac.in/PG_ADMISSION/)

*This is a rolling advertisement and this online link will remain active throughout the year, however, applications will be processed at least twice a year. For Semester I (Semester II), applications submitted by 20 April (31 January) will be considered.*

Applicants are required to pay the processing fee of Rs. 300 online while submitting the application form.

#### **Contact us:**

- For general inquiries related to the program, please contact us via email at [pgd\\_omics@iitj.ac.in](mailto:pgd_omics@iitj.ac.in)
- In case of any query with respect to online application, candidates may contact Office of Academics via email at [oa\\_automation@iitj.ac.in](mailto:oa_automation@iitj.ac.in)