



Maulana Azad Educational Trust's  
**Y. B. Chavan College of Pharmacy**

Dr. Rafiq Zakaria Campus, Rauza Bagh, Aurangabad - 431001 (MS)

ISO 21001:2018 & 14001:2015 | NIRF-2023 ALL INDIA RANK 80<sup>th</sup> | UGC 2(f) 12(B)

**महाराष्ट्र शासन**



**महाविद्यालयांतर्गत**

**आचार्य चाणक्य कौशल्य विकास केंद्र**  
**ACHARYA CHANAKYA KAUSHALYA VIKAS KENDRA**



# CERTIFICATE PROGRAMME

## BIOINFORMATICS ANALYST/ASSOCIATE

### CAREER PROSPECTS

Bioinformatics is the career of future and have numerous opportunities in Pharmaceuticals, biology, chemistry, medicine, and agriculture. Bioinformatics plays a significant role in biomedical research. The modern biological and medical R&D is not possible without bioinformatics. Current research and future research are based mostly in the areas of genetic diseases and medical genomics, and the future of medicine greatly relies on bioinformatics approach. The skills acquired will provide additional qualification and bright prospective for candidates towards preference in the employment.

### ABOUT THE PROGRAMME

The programme will cover theory, practical's, project work, and hands-on training for students, so that they can work independently and competently in a bioinformatics job role. After the completion of the course the students will be skilled in the following areas:

<b>Innovation in Drug Discovery</b>	Proficiency in using bioinformatics tools to identify potential drug targets and optimize the drug candidates, for discovery of new drug molecules.
<b>Data Analysis Skills</b>	Gain expertise in analysing biological data, crucial for drug discovery and development.
<b>Interdisciplinary Knowledge</b>	Contribution cutting-edge research in drug design and personalized medicine.
<b>Research and Development</b>	Understand genetic factors in drug response, leading to more effective therapies.
<b>Pharmacogenomics</b>	Will be able to work with multidisciplinary teams, thereby enhancing collaborative skills.
<b>Collaboration Opportunities</b>	Will be able to work with multidisciplinary teams, thereby enhancing collaborative skills.
<b>Adaptation to Industry Trends</b>	Stay updated with the latest advancements in computational biology and bioinformatics.
<b>Foundation for Further Studies</b>	Provides a strong foundation for pursuing Ph.D. or advanced degrees or specialized certifications in bioinformatics or related fields.

**Programme Duration**

**6 months**

# CERTIFICATE PROGRAMME

## CHEMIST PRODUCTION (PHARMACEUTICALS, COSMETICS, AND BIOLOGICS)

### CAREER PROSPECTS

The field of chemist production offers abundant career opportunities across pharmaceuticals, cosmetics, and biologics industries. Chemists play a key role in product design, formulation, and large-scale production, making significant contributions to the development of innovative products such as medicines, biologicals and cosmetic solutions. The skills acquired during this program will equip students with the technical and practical knowledge required to thrive in production management, manufacturing, and quality control roles in pharmaceuticals, cosmetics, and biologics. This programme offers a comprehensive understanding of chemist production processes. The Graduates will be well-prepared for industry demands, and the skills acquired will enhance their employability across multiple sectors.

### ABOUT THE PROGRAMME

This programme will cover theoretical knowledge, practical applications, and project work in the production processes of pharmaceuticals, cosmetics, and biologics. The course aims to develop competence in handling various stages of production, ensuring students are equipped to work independently in production department. After the completion of this certificate programme students will be skilled in the following areas:

<b>Ensure Compliance with GMP and Regulatory Standards :</b>	Demonstrate the ability to perform the role of a Chemist in the production of pharmaceuticals, cosmetics, and biologics while adhering to Good Manufacturing Practices (GMP) and environmental regulations.
<b>Understand and apply Manufacturing Fundamentals :</b>	Gain a comprehensive understanding of manufacturing processes, including key components and their role in production, ensuring efficient and compliant operations.
<b>Effectively Manage Production Activities :</b>	Develop skills to manage and oversee production across various product lines in a life science manufacturing facility, ensuring quality control and process optimization.
<b>Promote a Safe and Compliant Working Environment :</b>	Maintain and uphold safety, health, and security standards within production and GMP-controlled areas to prevent hazards and ensure regulatory compliance.
<b>Master Documentation and Reporting Practices :</b>	Understand and implement efficient methods of documentation and reporting to ensure compliance with regulatory requirements and audits.
<b>Foster an Inclusive and Respectful Workplace :</b>	Demonstrate sensitivity and respect towards different genders, cultures, and specially-abled individuals, promoting a supportive and inclusive work environment.

**Programme Duration**

**6 months**

## WHO SHOULD APPLY

Graduate in Life Sciences/ B. Pharma/ M. Pharma/ B. tech/ B.Sc. in Microbiology/ / Botany/ Zoology/ Food Science/ Food Technology/ BE/ MBBS/ BDS/ BHMS/ BUMS/ BAMS.

The Bioinformatics Analyst/Associate skill development program is an innovative scheme launched by the **Government of Maharashtra** by the name of "**Acharya Chanakya Kaushalya Vikas Kendra (ACKVK)**". The main objective of the scheme is to provide opportunities for skill development to the youth within the colleges, and empower the youth for employment. Along with traditional college education, students should also be trained in necessary skills required for employment. This program is totally free and will start from 20<sup>th</sup> September.

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For Bioinformatics  
Analyst/Associate

**ADMISSIONS ARE FREE**

**2024-2025**

All the interested candidates are required to  
fill the below given google form

**For Bioinformatics Analyst/Associate**

<https://forms.gle/awu14AQZ9embbQ4F8>

**For Chemist-Production (Pharma, Cosmetics & Biologics)**

<https://forms.gle/GDtaCdqzfV7Lrhd68>

**Last Date of application: 19/09/2024**

Scan QR For  
Google Form



For Chemist-Production  
(Pharma, Cosmetics &  
Biologics)

**Dr. M.H. Dehghan**

Principal and Professor  
Y.B. Chavan College of Pharmacy

**Dr. Furquan Khan**

Coordinator and Associate Professor  
Y.B. Chavan College of Pharmacy

### Teaching Faculty for Bioinformatics Analyst/Associate

**Mr. Imran Anees**

B. Pharm, M.Sc. (Biotech), M. Pharm (Pharm Chem)

**Dr. Yasar Qazi**

M. Pharm (Pharm Chem), Ph.D. (Pharmacy)

**Dr. Dureshahwar Khan**

M. Pharm (Pharmacology), Ph.D. (Pharmacy)

**Dr. Ansari Md. Ilyas Ahmed**

M.C.A., M.Phil., Ph.D. (Computer Application)

### Teaching Faculty for Chemist Production

**Dr. J. N. Sangshetti**

M. Pharm (Pharm Chem), Ph.D. (Pharmacy)

**Dr. Subur Khan**

M. Pharm (Pharmacognosy), Ph.D. (Pharmacy)

**Dr. Furquan Khan**

M. Pharm (Pharm Chem), Ph.D. (Pharmacy)

**Dr. Abubakar Bawazir**

M. Pharm (Pharmacognosy), Ph.D. (Pharmacy)

**Dr. Mirza Shahed Baig**

M. Pharm (Pharm Chem), Ph.D. (Pharmacy)

**Dr. Moizul Hasan**

M. Pharm (Pharmaceutics), Ph.D. (Pharmacy)