

Department of Biotechnology
Government of India
Ministry of Science and Technology
STAR COLLEGE SCHEME

The Department of Biotechnology (DBT) identifies colleges with ambition and potential for excellence and provides academic and physical infrastructure for achieving excellence in teaching and unique exposure of students to experimental sciences.

The objectives of the scheme are as follows:

- To strengthen the academic and physical infrastructure for achieving excellence in teaching and training.
- To enhance the quality of the learning and teaching process to stimulate original thinking through ‘Hands On’ exposure to experimental work and participation in Summer Schools.
- To promote networking and strengthen ties with neighbouring institutions and other laboratories.
- To conduct specialized training programmes for the faculty improvement for optimizing technical capabilities.
- To increase capabilities of core instrumentation resources by procuring new equipment and upgrading of existing facilities.
- To provide access and exposure to students to research laboratories and industries in the country.
- To help in devising standard curricula and Standard Operating Procedures (SOP’s)/ kit’s for practicals.
- To provide better Library facility to students and teachers.

The College had submitted a proposal for the STAR College scheme to DBT. Accordingly, in an Interaction meeting held on **28th November, 2013**, the Expert Committee of DBT agreed to support the College under STAR College Scheme. It was decided by the Expert Committee to support the following departments:

- 1. Biotechnology**
- 2. Chemistry**
- 3. Electronic Science**
- 4. Microbiology**
- 5. Physics**
- 6. Zoology**

The Expert Committee sanctioned onetime Non Recurring Grant of **Rs. 5.00Lakhs** and Recurring Grant of **Rs. 2.00Lakhs** per year for a period of three years, in the first phase.

The Details of programmes to be conducted by the departments identified by DBT are as follows:

Department	Add On Programmes	Skill Based Programmes	Faculty Knowledge Enhancement Programmes
Biotechnology	Protein Separation Techniques	Plant Tissue Culture Techniques	Basic Course in Microscopy and Techniques
	Blotting Techniques	Animal Cell Culture Techniques	Chick Fibroblast Culture Basic Bioinformatics
Chemistry	Visits to National Laboratories and Industries	Basic Course in Bio-Physical and Analytical techniques	Advanced Techniques in Bio-Physical and Analytical techniques
Electronic Science	CAD for PCB Design and SMD Practices	MATLAB	Summer School on e-Content Development
		Special Sensors and Transducers	
		Smart Instrumentation	
		PLC Training for Industrial Automation	
Microbiology	Immunological Techniques	Pharmaceutical Techniques	Viable but Non Culturable Bacteria
	Techniques in Molecular Biology		
Physics	Nanomaterials and Nanosciences	Observational Astronomy	Lecture Series on World Space Week
	Solar Photovoltaic's	HAM Radio	
	Radiation Physics	Audio Recording	
		Scientific Model making	
Zoology	General Laboratory Methods	Methods in Cell Biology	Seminar on IPR Issues
	Haematological Techniques	Techniques in Apiculture	

Departmental Coordinator's for the STAR College Programme:

Sr.No	Department	Name of Coordinator	Designation	E-Mail
1	Biotechnology	Dr. Dhanashri Godbole	Assistant Professor Department of Biotechnology, Fergusson College, Pune	dhanashrigodbole@gmail.com
2	Chemistry	Dr.Meenakshi Suresh	Assistant Professor Department of Chemistry Fergusson College, Pune	chandramouli_meenakshi@yahoo.co.in
3	Electronic Science	Dr. Madhukar Zambre	Assistant Professor, Department of Electronic Science, Fergusson College, Pune	drmsz29@gmail.com
4	Microbiology	Dr.Suneeti Gore	Assistant Professor Department of Microbiology Fergusson College, Pune	suneetigore@gmail.com
5	Physics	Dr.Raka Dabhade	Assistant Professor Department of Physics Fergusson College, Pune	rakadabhade@yahoo.com
6	Zoology	Dr. Anukriti Nigam	Assistant Professor Department of Zoology Fergusson College, Pune	anukriti.nigam@gmail.com
Coordinator for DBT STAR College Scheme: Dr. Sameer S. Terdalkar E-Mail:sterdalkar@fergusson.edu				