



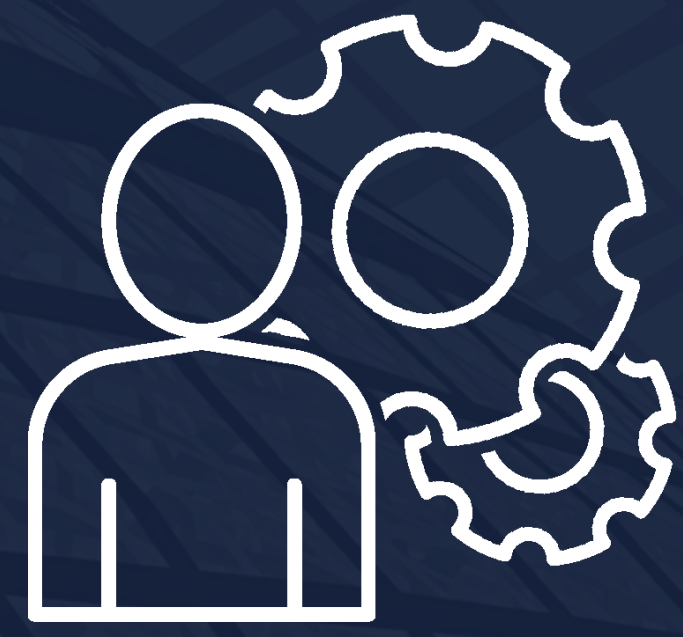
BIRLA INSTITUTE OF TECHNOLOGY

MESRA, RANCHI - 835215 | WWW.BITMESRA.AC.IN



PHARMACEUTICAL SCIENCES & TECHNOLOGY

Placement Brouchure
— 2022-2023 —



About the department

The Department of Pharmaceutical Sciences and Technology, established in 1972, boasts of its 49 years of golden association in building professionals for the industry and academia. The department is composed of a robust scientific community comprising of qualified and competent faculties, undergraduate & postgraduate students and research fellows.



Programmes Offered

B.Pharm

M.Pharm with specialization in:

- Pharmaceutics
- Pharmaceutical Chemistry
- Pharmacology
- Pharmacognosy
- Pharmaceutical Quality Assurance

Ph.D

Infrastructure facilities

Infrastructural Facilities

Total Built up area : 36000
Sq. ft.

Total number of Labs : 17
Central Instrumentation

Laboratory : 02

Library/ Reading room : 01

Animal House : 01

Medicinal Plant Garden : 01



Independent building (35630 sq. ft.); 17 Laboratories (20673 sq. ft.)



Medicinal Garden (200+ plant varieties) : 10 acres



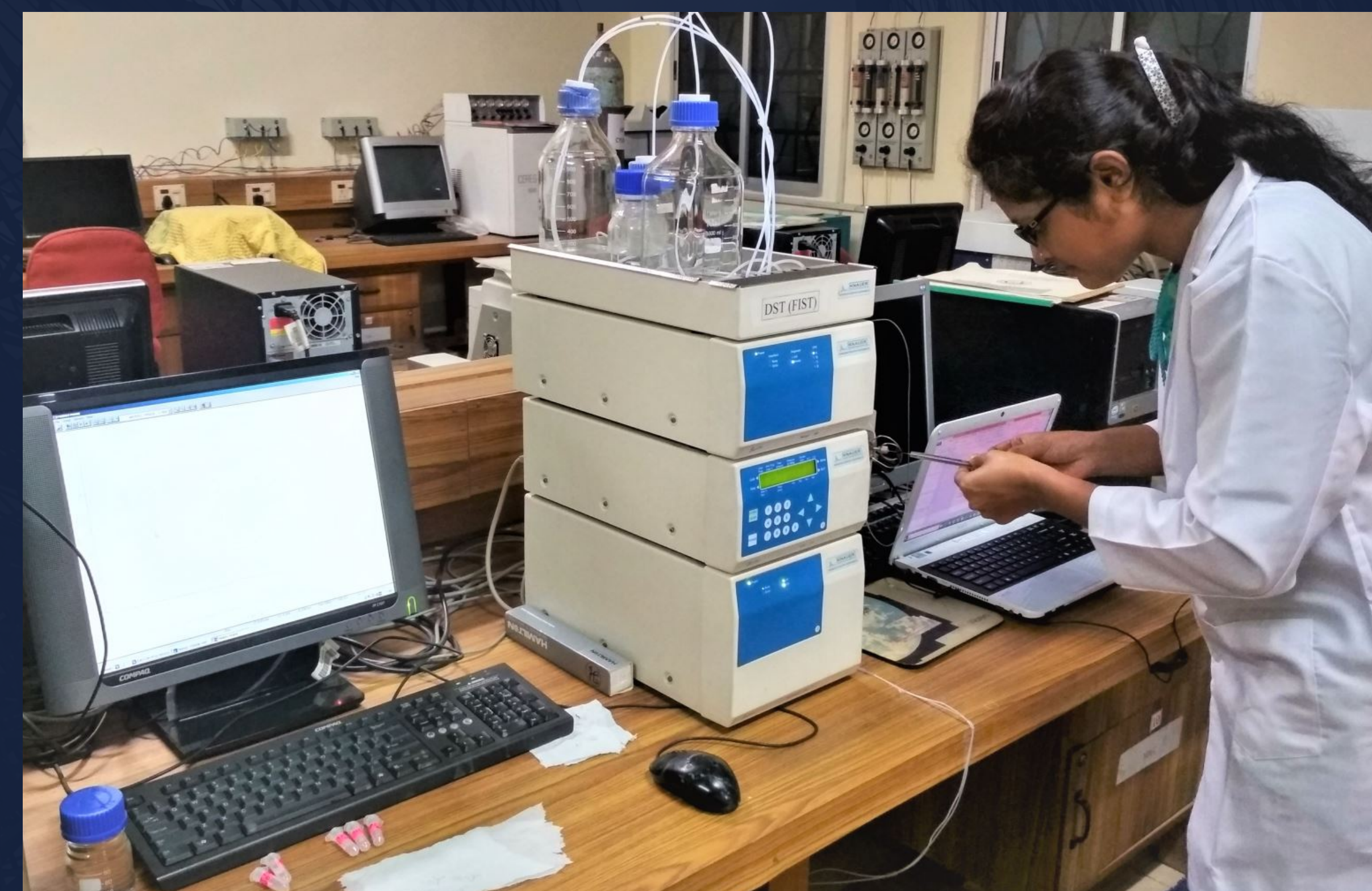
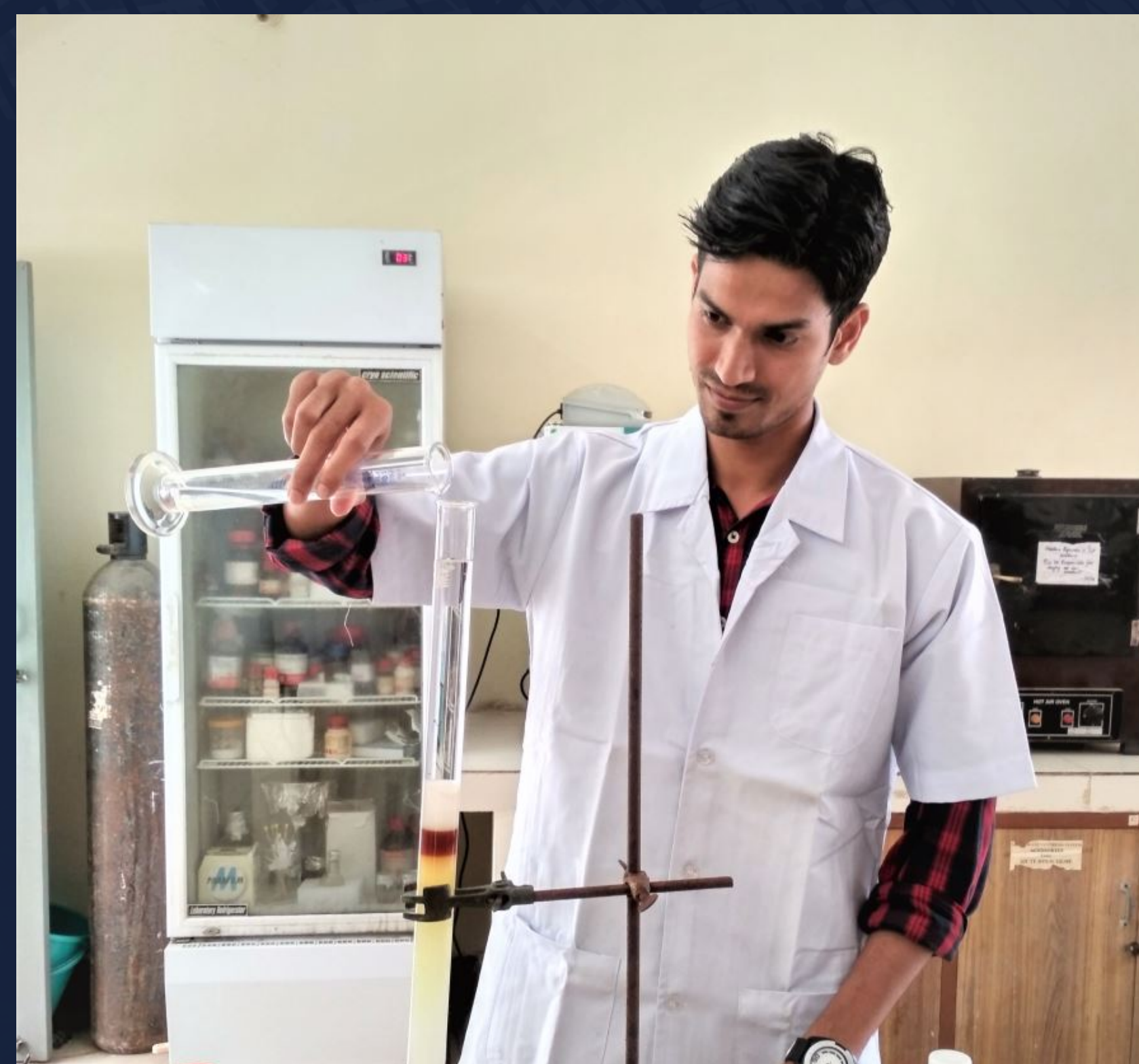
Animal house (CPCSEA approved) : 4000 sq. ft.



Dedicated library and reading space

Sophisticated instruments

- Microwave Organic Synthesis system
- Milli Q Water Purification Unit (Millipore)
- Non Invasive Blood Pressure System
- Table Top anaesthesia machine
- Randal Selito Instrument
- Electra von frey Instrument
- Graph Pad Prism
- Camag HPTLC
- ADME Works 3.0
- Operon Lyophilizer
- Statistica
- Plethysmometer



Research Areas

Pharmaceutical

- New Drug Delivery Systems
- OBA/BE Studies
- Nanotechnology Based Formulation Development
- Exploration of Natural molecules as Pharmaceutical Adjuvant

Pharmacognosy

- Validation of traditional systems of medicine
- Validated methodologies for development of new herbal formulations.
- Exploring natural resources for novel drug delivery systems.



Pharmaceutical quality assurance

- Analytical Method Development and Validation
- Bioanalytical Method Development and Validation
- Standardization of traditional drugs and polyherbal formulations
- Pharmaceutical Validation

Pharmacology

- Studies of bioactive molecules on experimentally induced diabetes, and its implications in animal models.
- Biochemical and Molecular Pharmacological studies of bioactive molecules.

Department Activities

IPA-SF JHARKHAND BRANCH

Indian Pharmaceutical Association - Student Forum (IPA-SF) is the student division of the IPA, founded in 2008 under the mentorship of IPA-Education Division.

Some of the prominent activities organized are :-

- Pharma cup (cricket, Volleyball, badminton)
- Video making competition
- Extempore competition

PHARMACEUTICAL SOCIETY

- Pharmaceutical Society is an association of students & faculty members which organizes various cultural programs.
- It publishes PHARMBIT (ISSN: 0973-6204) which is an open access peer-reviewed biannual scientific official journal.





Achievements

- Mr. Prashanta Kumar Deb, received the “Junior Grant of Groupe Polyphenol” to present his research during XXX international conference on polyphenols-2021, organized by the university of Turku, Finland (13-15 July, 2021).
- Total of 18 teams of undergraduate students from 2nd and 3rd year participated in the global project idea challenge organised by AstraZeneca, 2021.
- Mr. Satyajit Mohanty, PhD scholar received first prize in 4th national conference at IPT Salipur, Cuttack, Odisha in 2020.
- Ms. Mousumi Shyam, PhD Scholar, received Newton Bhabha PhD Placement award, 2020.

Our Proud Recruiters



THANK YOU

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