

CRITERION 3 – Research, Innovations and Extension (110)

Key Indicator 3.2 Innovation Ecosystem (15)

Metric	Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)	Weightage
3.2.1 QIM		10

Response:

The institute offers a supportive setting for the advancement of pharmacy innovation. The students and research scholars are given access to all research-related facilities as well as guidance. Student participation in the creation and assessment of pharmaceutical products and social demands is encouraged. JNTUH has designated the college as a research center, which will be a benefit to the students as they develop their research applications. For the purpose of fostering innovation and entrepreneurship activities, the College established the Institutional Innovation Council (IIC) and the Entrepreneurship Development Cell (EDC). The Ministry of Education (MoE) and AICTE's guidelines were followed in the founding of the IIC.

To encourage students to apply their theoretical knowledge to projects and novel innovations, the institute has installed a variety of high-tech instruments, including HPLC, Probe Sonicator, FTIR, UV-Visible Spectrophotometer, Microwave synthesis, and Humidity control chamber. Additionally, subscriptions to simulation software like Ex-Pharm and medication information tools like Lexicomp were obtained. The academic members are permitted to conduct research using the current facilities. An animal house at the institute has CCSEA approval. While clinical studies are approved by IEC with PSIMS&RF, in vitro and in vivo pre-clinical research proposals are approved by IAEC. The institute has a well-stocked library with subscription services like DELNET and offers staff members and students access to e-journals and e-books.

Objectives:

- To encourage faculty to advance their knowledge, abilities, and pursuit of doctoral degrees. To foster a research culture among professors and students.
- To Sign Memorandums of Understanding (MOUs) with pharmaceutical companies
- To assist students in understanding and registering for the patenting process;
- To present and publish scientific/research papers

- To apply for and be awarded grants for conducting seminars and conferences
- To pursue research projects
- To encourage students to develop ideas, innovate, and create products

Outcome:

Seminars/Workshops: Entrepreneurship and innovation-related workshops, seminars, webinars, and orientation sessions are organized. Students have the chance to speak with successful businesspeople who are leaders in their fields. visited local businesses to encourage entrepreneurship, teachers and students.

Research Projects: Students at the undergraduate level are first exposed to research culture through project work. PG Students are urged to complete their project work at different research facilities and businesses.

Collaboration/linkage activities and MoUs: To increase research activities at the institute, the institution and the pharmaceutical businesses have signed MoUs.

Patents: The Institutional Innovation Council assists with the filing and processing of patent applications and raises awareness of IPRs.