

## **Executive Summary**

### **Criterion 3 - Research, Innovations and Extension**

University is committed to serve the society by achieving excellence in higher technical education, research, innovation, extension works in Engineering, Technology, Science and Management. To achieve its mission, the University provides planned financial, technological and infrastructural support to faculty members and students in order to meet the challenges of advances in research, innovation and extension.

Harcourt Butler Technical University, Kanpur has a well-defined policy for the promotion of research approved by Executive Council of the University (apex body) which gets frequently updated at regular intervals. This policy is an overview of the research support provided to faculty members, staff and researchers to promote quality research. The objectives of the research policy are as follows:-

1. To establish an administrative structure within the University to support the research and innovation activities
2. To frame the norms for undertaking Research work and facilitate administrative processes to improve the overall quality of research for betterment of society
3. To motivate faculty members, staff members, students for cutting-edge research, innovations and incubation
4. To encourage undertaking of research projects from various funding agencies/sponsors.
5. To encourage collaborative and interdisciplinary research
6. To encourage faculty members for undertaking consultancy projects
7. To ascertain quality research work
8. To promote collaborative research projects, supervision and publications

In order to meet the above objectives related to innovation, HBTU, Kanpur has established Incubation Hub to provide a channel by which students can access entrepreneurial resources and share their ideas. Incubation Hub assists start-ups in converting their early-stage business into a highly scalable, commercially viable business and envisions fostering an entrepreneur-friendly culture around academics & research. It also provides services related to patenting and commercialization. Incubation Hub, HBTU has developed comprehensive expertise to foster innovations at the ideation stage of businesses aiming to scale up. It aims to provide critical ingredients for technology-driven, multidisciplinary innovations across agriculture, healthcare, aerospace, energy, water, and education.

HBTU, Kanpur has a well-defined policy for consultancy and testing which provides an opportunity for the faculty members to share their insights, technical knowledge and experience for the real world problems. It is a dynamic learning process with respect to students and faculty as it upgrades and enhances teaching and research activities at the same time consultancy and testing is an important source of revenue generation for the University.

Further, the University is committed to develop not only good human resources but also sensible citizens. The University has a dedicated National Social Service (NSS) sub-council which takes care of various activities in campus as well as in its neighborhood community.

The University also has Women Study Center which organizes several events for women empowerment. The NSS sub-council and women study center undertake various activities like tree plantations, cleaning drives, awareness programs on social issues (like dowry, gender equality, girl education, nutrition) etc. in University campus, nearby villages and primary schools.