3.2.1 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)

Atria Institute of Technology has built an environment for Research and Innovation by selecting & training desirable human resources from prestigious colleges of the country, taking initiative for the formation, foundation & distribution of knowledge through innovative pedagogy, and setting up a good infrastructure. The institution has a well-established incubation centre called Atria Business Incubation Centre (ABiC) to help the students with the inception of innovative, entrepreneurial ideas and start-ups.

The institute has set up the state-of-the-art incubation center and multiple start-ups are incubated under various thrust areas. The objectives of setting up the incubation centre by the institution are to promote entrepreneurship among students and faculty of the institution, incubating good business ideas and to provide internal and external agencies help for the incubated companies, if required.

The institution has received 12 patents in the year 2021-22 which has become a hallmark of our success. For more focused efforts, the institution has grouped technologies under different technological fields of interdisciplinary areas viz IoT, AI- ML, Construction Engineering, Electronics, Additive Manufacturing, Digital Manufacturing, Robotics, Communication System and Data Science.

The institution is registered under IIC (Institution's Innovation Council) and has been conducting various activities from the year 2021-22 as per the IIC Calendar. The Ministry of Education Innovation Cell conducted a regional meet of IIC on 16th August 2022 in which students of the Civil Engineering branch of institute were awarded the best project award. 10 faculty members have also been nominated for the Innovation Ambassador Training program of the Ministry of education's Innovation Cell and AICTE.

To boost up the endeavor of every researcher, the institution has established award of cash incentive for research publication in the referred international/national journals by the faculty members. In 2020-21 and 2019-20 faculty from various departments received awards for their excellent publications.

If the research paper is novel and has industrial applicability, the institute encourages the faculty to first file the patent application and then submit the research paper. Atria Research has implemented a policy for aiding Student Start-ups/ Innovation to empower innovative ideas.

The institution has signed MOUs with various organizations for support services. The purpose of signing MoUs is to assist not only with innovative skills of students but also to provide a holistic help in their entrepreneurial journey.

Recently in ARIIA ranking, AIT has been categorized under "**Band Promising**" category. This milestone was possible due to the presence of the innovation ecosystem practiced in the Institution which provides necessary assistance from choice of the problem to the **3P model** - Proposal, Patent, Paper.The department of Civil Engineering has filed two patents under 3P model viz "A feasible study on reinforced stabilized earthen block with brinjal stem fiber for rural housing" and "Sustainable low-cost housing techniques using polypropylene band and bamboo reinforced structural elements for rural housing". With the help of the incubation center, during Covid 19 pandemic, the students of the Department of Mechanical Engineering developed a sanitizer dispenser which is being used inside the college campus.