



Criteria	Criterion III–Research, Innovations and Extension
Key Indicator	3.1 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)
Metric	3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.
Response: 3	

Description:

JK Lakshmipat University has been recognized as a Scientific and Industrial Research Organization (SIRO) This recognition extends to all the University's departments, Institute of Engineering and Technology, Institute of Management and Institute of Design. The University will use this acknowledgment to further its purpose of doing research that leads to innovation and the advancement of real-world applications, as well as developing a culture that is deeply founded in interdisciplinarity and collaboration. Several areas have been directly or indirectly impacted by the SIRO recognition, including:

Improved chances for Support by Government Funding agencies:

All externally funded projects at JKLU can be traced back to the SIRO recognition, either directly or indirectly. As we compete with older and hence more established institutions such as IITs for external financing from agencies such as DST, ISRO, NITI Aayog, and others, SIRO recognition has been a critical component in our obtaining external funding in the face of strong competition.

Improved chances for Support by Private Funding agencies:

JKLU continues to receive significant Private Sector funding as donations for R&D support to all of its divisions, as stated in the financial records. The SIRO recognition has an impact on such donations since it demonstrates JKLU's ongoing commitment to improving technologies and processes that may contribute to applied research and development.

Enhanced outreach to society:

As a SIRO-recognized Center, the University can encourage student, research researcher, and staff engagement in practicums, undertake initiatives with industry, and endeavor to address societal problems. For example:

- The world-famous Jaipur Foot has been looking for collaborations abroad (in the United States and Korea) to improve the capabilities of indigenous prosthetics and elevate them to higher international standards of state-of-the-art.
- Project on Tactile Sensing Arrays and Wearable Tactile Displays has begun a collaboration with the Bhagwan Mahaveer Viklang Sahayata Samiti (the makers and providers of Jaipur Foot), sharing the ideals of serving society through innovation and applied research.

The SIRO recognition will aid in future such endeavors through planned collaboration between the Institutes of Engineering & Technology, Design, Management, and the Atal Incubation Centre. The quantifiable impact of SIRO recognition is seen so far through five large initiatives involving approximately Rs. 15 Crores in budget, which is likely to increase further in the coming years.

It is also important to note that, unlike many other SIRO businesses in the private sector, JKLU has not obtained any duty exemptions as such because we have opted for Indian sources, favoring Made in India products.

On the other side, we have worked to build indigenous technology and have assisted organizations such as the Indian Space Research Organization in accomplishing their goals. For example:

- JKLU has contributed to the testing and applications of the Indian Regional Navigation Spacecraft System (IRNSS) receivers built by ISRO enhancing self-reliance in navigation.

The Department of Science and Technology (DST) has announced a number of new research undertakings. The project 'Optimization of power consumed by Airlift Pump' is one of these projects under the TARE (Teachers Associateship for Research Excellence) scheme has potential to revolutionize the pump industry by developing more efficient and less power consuming functionality contributing to sustainability.