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Justification for Sri Indu Deemed to be University Recognition in the Distinct Category: Comprehensive Program Overview

1. Introduction

With a clear vision for the future, the proposed Sri Indu Deemed to be University is poised to lead through academic excellence, cutting-edge research, and a student-centric approach to holistic development.

Parameters	Distinctiveness
Academic Excellence and Program Diversity	• Wide Range of Programs • Interdisciplinary Curriculum • Industry-Relevant Syllabi
Research and Innovation	• Strong Research Culture • Funding and Collaborations • Patents and Publications
Infrastructure and Facilities	• State-of-the-art Campus • Innovation Hubs and Incubators • Sports and Extracurricular Facilities
Faculty Excellence and Development	• Qualified Faculty • Faculty Development Programs. • Recognition and Awards.
Student-Centric Initiatives	• Holistic Development • Placement and Career Support • Student Diversity and Inclusiveness
Community Engagement and Social Responsibility	• Extension Activities • Collaborative Projects
Governance and Quality Assurance	• Transparent and Effective Governance • Accreditation and Rankings. • Continuous Improvement

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
		School of Engineering	
1.	**Bachelor of Electrical and Electronics Engineering**	Focuses on renewable energy, smart grids, AI in power systems, aligning with national energy goals.	Aligning with National Solar Mission, Smart Cities Mission, Make in India. Participation in Unnat Bharat Abhiyan and similar national outreach programs
2.	**Bachelor of Electronics and Communication Engineering**	Emphasis on next-gen communication: 5G, IoT, MIMO systems, and low-power communication protocols. Applied in healthcare, surveillance, automation, and machine learning.	Focused on chip design, FPGA, and real-time embedded systems, aligned with India's Semiconductor Mission for Sustainable Development Goals (SDGs)
3.	**Bachelor of Mechanical Engineering**	Focus on CNC, CAD/CAM, 3D Printing, and Industry 4.0 technologies. Skill development in Finite Element Analysis (FEA), CFD, Solid Works, and ANSYS.	Smart and sustainable manufacturing aligned with Atmanirbhar Bharat, National Solar Mission.
4.	**Bachelor of Computer Science and Engineering**	Designed to build technologically proficient, ethically responsible, and socially aware computing professionals, Focus the application of AI/ML in domains like healthcare, agriculture, education, climate modeling and promotes AI for social good and responsible AI.	Alignment with Digital India, Skill India, Atmanirbhar Bharat, NEP 2020.
5.	**Bachelor of Civil Engineering**	Emphasis on eco-friendly construction, LEED/IGBC standards, and life-cycle assessment and maintain sustainable and resilient infrastructure, while addressing societal and environmental challenges	Aligning with sustainable urban design, mobility, waste management, and smart infrastructure Smart Cities Mission, AMRUT and Jal Jeevan Mission, National Mission for Clean Ganga
6.	**Bachelor of Information Technology**	Blends software engineering, data systems, and network technologies with a focus on practical problem-solving. mphasis on web technologies, mobile application development, and enterprise systems. Real-world problem solving through agile methodologies, DevOps, and full-stack development	Integration of AI tools in IT solutions for **healthcare, education, finance**, and **e-governance.** Alignment with Digital India, Skill India, Atmanirbhar Bharat, NEP 2020.

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
7.	Bachelor of Computer Science and Engineering -AI&ML	Core focus on cutting-edge technologies, big data, and automation	Supports Digital India, AI for All, and skill development goals.
8.	Bachelor of Computer Science and Engineering –IOT	The program blends core computer science with hardware-software integration, real-time data analytics, and wireless communication technologies. Focus on edge intelligence for latency-sensitive and energy-efficient applications	Aligning with national initiatives Smart Cities Mission, Startup India, Skill India and Digital India. Development of connected solutions for public utilities, agriculture, and healthcare.
9.	Bachelor of Computer Science and Engineering – CS	Focuses on Ethical hacking, digital forensics	Aligning with National Cyber Security Policy
10.	Bachelor of Computer Science and Engineering – DS	Core focus on cutting-edge technologies, big data, and automation.	Supports Digital India, AI for All, and skill development goals
11.	Bachelor of Computer Science and Information Technology	Blends software engineering, data systems, and network technologies with a focus on practical problem-solving. mphasis on web technologies, mobile application development, and enterprise systems. Real-world problem solving through agile methodologies, DevOps, and full-stack development	Integration of AI tools in IT solutions for healthcare, education, finance, and e-governance. Alignment with Digital India, Skill India, Atmanirbhar Bharat, NEP 2020.
12.	Bachelor of Artificial Intelligence and Data Science	Core focus on cutting-edge technologies, big data, and automation	Supports Digital India, AI for All, and skill development goals.
13.	Masters of Electric Vehicle Technology	Focuses on renewable energy, smart grids, AI in power systems, aligning with national energy goals.	Aligning with National Solar Mission, Smart Cities Mission, Make in India. Participation in Unnat Bharat Abhiyan and similar national outreach programs
14.	Master of Structural Engineering – (CE)	Focus of designing, analyzing, and maintaining safe, economical, and sustainable structures. Emphasis on infinite Element Methods (FEM), Plastic analysis, Dynamic and non-linear behavior of structures	Alignment with National Missions and Development Goals of Smart Cities Mission and National Disaster Management Plan

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
15.	**Master of Computer Science Engineering – (CSE)**	Designed to build technologically proficient, ethically responsible, and socially aware computing professionals, Focus the application of AI/ML in domains like healthcare, agriculture, education, climate modeling and promotes AI for social good and responsible AI.	Alignment with Digital India, Skill India, Atmanirbhar Bharat, NEP 2020.
16.	**Master of Data Science**	Core focus on cutting-edge technologies, big data, and automation.	Supports Digital India, AI for All, and skill development goals
17.	**Master of Artificial Intelligence**	Core focus on cutting-edge technologies, big data, and automation	Supports Digital India, AI for All, and skill development goals.
18.	**Master of Electric Power Systems**	Focuses on renewable energy, smart grids, AI in power systems, aligning with national energy goals.	Aligning with National Solar Mission, Smart Cities Mission, Make in India. Participation in Unnat Bharat Abhiyan and similar national outreach programs
19.	**Master of VLSI & Embedded Systems – (ECE)**	Emphasis on next-gen communication: 5G, IoT, MIMO systems, and low-power communication protocols. Applied in healthcare, surveillance, automation, and machine learning.	Focused on chip design, FPGA, and real-time embedded systems, aligned with India's Semiconductor Mission for Sustainable Development Goals (SDGs)
20.	**Doctoral in Computer Science Engineering**	Research to address global challenges in AI, big data, and resilient infrastructure	Positions India as a hub for innovation and academic excellence.
21.	**Doctoral in Civil Engineering**	Focuses on cutting-edge research, interdisciplinary collaboration, and sustainable development to solve complex engineering problems of national and global significance.	Alignment with National Priorities and Missions of PMAY – Housing for All, Smart Cities Mission, National Disaster Management Plan and Atmanirbhar Bharat Abhiyan
22.	**Doctoral in Electrical and Electronics Engineering**	Focuses in the areas of power systems, energy technologies, smart electronics, and control systems. It prepares scholars to become research leaders, innovators, and educators, capable of addressing national energy challenges and contributing to technological sovereignty.	Alignment with National Priorities and Missions of National Electric Mobility Mission (NEMMP), National Smart Grid Mission, Make in India.
23.	**Doctoral in Electronics and Communication Engineering**	Emphasis on next-gen communication: 5G, IoT, MIMO systems, and low-power communication protocols. Applied in healthcare, surveillance, automation, and machine learning.	Focused on chip design, FPGA, and real-time embedded systems, aligned with India's **Semiconductor Mission** for Sustainable Development Goals (SDGs)

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
	School of Management		
24.	**Bachelor of Business Administration (BBA)**	Business fundamentals with innovation focused pedagogy	Prepares versatile business leaders for India's economic growth.
25.	**Master of Business Administration**	Leadership, strategy, and innovation	Aligned with Make in India and Start-Up India.
26.	**Doctoral in Management**	Research in corporate governance, entrepreneurship	Contributes to global management research and practice.

S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
	Computer Application		
27.	**Master of Computer Application**	Focuses on industry- ready roles in software development, application engineering, and IT services	Alignment with National Initiatives on Digital India, Startup India and Skill India Mission

S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
	School of Agriculture		
28.	**B.Tech Agricultural Engineering.**	Integrates engineering principles with agricultural sciences to improve farm productivity, ensure sustainable resource use, and support food security	Alignment with National Priorities and Missions on PM-KUSUM, Deployment of smart farming tools, GIS mapping, and real-time crop monitoring systems and Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)
29.	**B.Sc (Hons) Agriculture**	Integrates engineering principles with agricultural sciences to improve farm productivity, ensure sustainable resource use, and support food security	Alignment with National Priorities and Missions on PM-KUSUM, Deployment of smart farming tools, GIS mapping, and real-time crop monitoring systems and Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)
30.	**Masters in GIS & Remote Sensing**	Promotion of agripreneurship, rural innovation, and low-cost tech solutions for farmers. Mechanization, value addition, post-harvest management, and market linkage research	Alignment with National Priorities and Missions on PM-KUSUM, Deployment of smart farming tools, GIS mapping, and real-time crop monitoring systems and Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
31.	Masters in Soil and Water Conservation	Promotion of agripreneurship, rural innovation, and low-cost tech solutions for farmers. Mechanization, value addition, post-harvest management, and market linkage research	Alignment with National Priorities and Missions on PM-KUSUM, Deployment of smart farming tools, GIS mapping, and real-time crop monitoring systems and Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)
32.	Masters in Food Processing Engineering	Promotion of agripreneurship, rural innovation, and low-cost tech solutions for farmers. Mechanization, value addition, post-harvest management, and market linkage research	Alignment with National Priorities and Missions on PM-KUSUM, Deployment of smart farming tools, GIS mapping, and real-time crop monitoring systems and Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)
33.	Doctoral in Agricultural Engineering	Integrates engineering principles with agricultural sciences to improve farm productivity, ensure sustainable resource use, and support food security	Alignment with National Priorities and Missions on PM-KUSUM, Deployment of smart farming tools, GIS mapping, and real-time crop monitoring systems and Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
School of Horticulture			
34.	**B.Sc (Hons) Horticulture**	Focusing on the cultivation, improvement, and sustainable management of fruits, vegetables, flowers, ornamental plants, spices, and medicinal plants. It integrates biotechnology, soil science, pest management, post-harvest technology, and value addition	Alignment with National Priorities and Programs Mission for Integrated Development of Horticulture, National Nutrition Mission, Digital India and e-NAM and Climate Resilient Agriculture
35.	**Masters in Vegetable Science**	Focusing on the cultivation, improvement, and sustainable management of fruits, vegetables, flowers, ornamental plants, spices, and medicinal plants. It integrates biotechnology, soil science, pest management, post-harvest technology, and value addition	Alignment with National Priorities and Programs Mission for Integrated Development of Horticulture, National Nutrition Mission, Digital India and e-NAM and Climate Resilient Agriculture
36.	**Masters in Floriculture and Landscaping**	Focusing on the cultivation, improvement, and sustainable management of fruits, vegetables, flowers, ornamental plants, spices, and medicinal plants. It integrates biotechnology, soil science, pest management,post-harvest technology, and value addition	Alignment with National Priorities and Programs Mission for Integrated Development of Horticulture, National Nutrition Mission, Digital India and e-NAM and Climate Resilient Agriculture

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
		School of Arts	
37.	Doctoral in Horticulture	Focusing on the cultivation, improvement, and sustainable management of fruits, vegetables, flowers, ornamental plants, spices, and medicinal plants. It integrates biotechnology, soil science, pest management, post-harvest technology, and value addition	Alignment with National Priorities and Programs Mission for Integrated Development of Horticulture, National Nutrition Mission, Digital India and e-NAM and Climate Resilient Agriculture
38.	Bachelor of English and Foreign Languages	Emphasizes linguistic skills, cross-cultural communication, and literary appreciation, preparing graduates for careers in global communication, translation, education, and international relations	Alignment with National Priorities Skill India, Digital India and Supporting global business through cross-cultural communication and translation expertise
39.	Bachelor of Fine Arts	Focuses on traditional art forms with contemporary practices, empowering students to express cultural, social, and personal narratives through multiple artistic media. Integration of digital art, animation, and new media alongside classical techniques	Alignment with National Cultural and Educational Initiatives NEP 2020, Azadi Ka Amrit Mahotsav, Digital India and Art for Social Change.
40.	B.Com (Computers)	Focuses on business principles and financial management alongside the application of computer software, data analytics, and business information systems.	Alignment with National Initiatives NEP 2020, Atmanirbhar Bharat, Digital India and GST Implementation.
41.	Master of Fine Arts	Focuses on traditional art forms with contemporary practices, empowering students to express cultural, social, and personal narratives through multiple artistic media. Integration of digital art, animation, and new media alongside classical techniques	Alignment with National Cultural and Educational Initiatives NEP 2020, Azadi Ka Amrit Mahotsav, Digital India and Art for Social Change.
42.	Doctoral Program in Fine Arts	Focuses on traditional art forms with contemporary practices, empowering students to express cultural, social, and personal narratives through multiple artistic media. Integration of digital art, animation, and new media alongside classical techniques	Alignment with National Cultural and Educational Initiatives NEP 2020, Azadi Ka Amrit Mahotsav, Digital India and Art for Social Change.

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
		School of Science	
43.	**Bachelor of Mathematics**	Focusing the major application of mathematics to statistics, operations research, optimization, and mathematical modeling, Training in computational mathematics, numerical analysis, and use of software tools like MATLAB, R, Python.	Alignment with National Initiatives NEP 2020, Atmanirbhar Bharat, Digital India which contributes to developing a skilled workforce ready for research, innovation, and data-driven decision-making.
44.	**Bachelor of Nanoscience and Technology**	Provides an interdisciplinary understanding of nanoscale materials, devices, and systems.	Alignment with National Initiatives NEP 2020, Clean Energy Mission, National Science and Technology Missions and Atmanirbhar Bharat
45.	**B.Sc (Maths, Stats & Computers)**	Focusing the major application of mathematics to statistics, operations research, optimization, and mathematical modeling, Training in computational mathematics, numerical analysis, and use of software tools like MATLAB, R, Python.	Alignment with National Initiatives NEP 2020, Atmanirbhar Bharat, Digital India which contributes to developing a skilled workforce ready for research, innovation, and data-driven decision-making.
46.	**Masters in Nano Science and Technology**	Provides an interdisciplinary understanding of nanoscale materials, devices, and systems.	Alignment with National Initiatives NEP 2020, Clean Energy Mission, National Science and Technology Missions and Atmanirbhar Bharat
47.	**Masters in Mathematics**	Focusing the major application of mathematics to statistics, operations research, optimization, and mathematical modeling, Training in computational mathematics, numerical analysis, and use of software tools like MATLAB, R, Python.	Alignment with National Initiatives NEP 2020, Atmanirbhar Bharat, Digital India which contributes to developing a skilled workforce ready for research, innovation, and data-driven decision-making.
48.	**Doctoral Program in Mathematics**	Focusing the major application of mathematics to statistics, operations research, optimization, and mathematical modeling, Training in computational mathematics, numerical analysis, and use of software tools like MATLAB, R, Python.	Alignment with National Initiatives NEP 2020, Atmanirbhar Bharat, Digital India which contributes to developing a skilled workforce ready for research, innovation, and data-driven decision-making.

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
		School of Law	
49.	Bachelor of Laws (LL.B)	Emphasizes justice, human rights, equality, and the rule of law as foundations for social order and protection of individual freedoms	Aligns legal education with the evolving needs of governments, businesses, and global institutions. Equips students with skills to navigate complex legal environments in local, national, and international contexts.
50.	Masters of Laws (LL.M)	Emphasizes justice, human rights, equality, and the rule of law as foundations for social order and protection of individual freedoms	Aligns legal education with the evolving needs of governments, businesses, and global institutions. Equips students with skills to navigate complex legal environments in local, national, and international contexts.

S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
		School of Allied Sciences	
51.	B.Sc Physiotherapy (BPT)	Emphasizes patient-centered care, rehabilitation, and health promotion to support individuals across all age groups in leading independent and productive lives.	Aligns physiotherapy education with national health priorities and global healthcare trends, such as aging societies, non-communicable diseases, and the increasing demand for rehabilitative services.
52.	B.Sc Nutrition & Dietetics	Focuses on educating communities about healthy eating habits, food safety, and sustainable nutrition practices to enhance overall well-being.	Aligns with national and global health policies that prioritize nutrition as a key determinant of health, linking it with sustainable development goals (SDGs) like reducing hunger and promoting good health.
53.	B.Sc BMB (Biotechnology, Microbiology, Biochemistry)	Focuses on improving human health through development of vaccines, antibiotics, diagnostics, and therapeutic agents.	Aligns education with national priorities in biotechnology and bioeconomy, supporting innovation-led growth and technological advancement.
54.	B.Sc in Exercise and Sports Sciences	Aims to improve quality of life by fostering physical and psychological well-being through evidence-based exercise interventions.	Aligns with national health and sports policies that emphasize preventive healthcare, physical fitness, and elite sports development.

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
55.	B.Sc Optometry	Focuses on the assessment, diagnosis, treatment, and management of visual impairments and eye health disorders.	Aligns with national health priorities on eye care and vision health, supporting initiatives to reduce avoidable blindness.
56.	B.Sc Radio-Imaging Technology	Emphasis on techniques like X-ray, MRI, CT scan, ultrasound, fluoroscopy, and nuclear medicine.	Aligns with national and global healthcare strategies and academic goals, Healthcare Sector Growth, Digital Health Initiatives and Alignment with NEP 2020
57.	B.Sc Medical Anatomy	Designed to provide a deep understanding of the structure of the human body, laying the foundation for careers in medicine, research, teaching, and allied health sciences	Aligns with national education and healthcare strategies, Support for NEP 2020, Alignment with Healthcare Research Goals and Global Academic Standards.
58.	B.Sc Dialysis Technology	Focus on the anatomy, physiology, and pathology of the renal system.	Aligns with broader educational and healthcare goals at national and global levels National Health Mission Goals, Skill India Mission and NEP 2020 Alignment
59.	B.Sc Cardiovascular Technology	In-depth study of cardiac anatomy, physiology, pathophysiology, and clinical cardiology. Proficiency in handling heart-lung machines, defibrillators, and hemodynamic monitoring systems.	The program aligns with national priorities and global healthcare trends, Alignment with NEP 2020, upport for National Cardiac Care Initiatives and Integration with Digital & AI-Based Healthcare.
60.	B.Sc Reproductive Biology and Clinical Embryology	In-depth Study of Reproductive Biology, Specialization in Clinical Embryology, Skill development in handling microscopes, culture media, incubators, and advanced ART equipment.	The program aligns with national priorities and global healthcare trends, Alignment with NEP 2020, upport for National Cardiac Care Initiatives and Integration with Digital & AI-Based Healthcare.
61.	B.Sc Digital Health and Telemedicine	Focus on electronic health records (EHR), health informatics, teleconsultation platforms, and wearable health devices.	Aligns with national healthcare reforms, digital transformation goals, and global health strategies. National Digital Health Mission (NDHM), NEP 2020 Alignment and Digital India & e-Governance Initiatives.
62.	M.Sc Nutrition & Dietetics	Focuses on educating communities about healthy eating habits, food safety, and sustainable nutrition practices to enhance overall well-being.	Aligns with national and global health policies that prioritize nutrition as a key determinant of health, linking it with sustainable development goals (SDGs) like reducing hunger and promoting good health.

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
63.	M.Sc Physiotherapy	Emphasizes patient-centered care, rehabilitation, and health promotion to support individuals across all age groups in leading independent and productive lives.	Aligns physiotherapy education with national health priorities and global healthcare trends, such as aging societies, non-communicable diseases, and the increasing demand for rehabilitative services.
64.	M.Sc. Clinical Biochemistry	In-depth Study of Reproductive Biology, Specialization in Clinical Embryology, Skill development in handling microscopes, culture media, incubators, and advanced ART equipment.	The program aligns with national priorities and global healthcare trends, Alignment with NEP 2020, upport for National Cardiac Care Initiatives and Integration with Digital & AI-Based Healthcare.
65.	M.Sc. Clinical Microbiology	In-depth Study of Reproductive Biology, Specialization in Clinical Embryology, Skill development in handling microscopes, culture media, incubators, and advanced ART equipment.	The program aligns with national priorities and global healthcare trends, Alignment with NEP 2020, upport for National Cardiac Care Initiatives and Integration with Digital & AI-Based Healthcare.
66.	MPT Sports	Improve athletic performance through movement analysis, strength conditioning, and recovery protocols. Emphasis on research, data-driven clinical decision-making, and the latest developments in sports medicine.	Alignment with NEP 2020, National Sports Development Strategies, Support for Health & Wellness Missions.
67.	M.Sc Radio-Imaging Technology	Emphasis on techniques like X-ray, MRI, CT scan, ultrasound, fluoroscopy, and nuclear medicine.	Aligns with national and global healthcare strategies and academic goals, Healthcare Sector Growth, Digital Health Initiatives and Alignment with NEP 2020
68.	M.Sc Optometry	Focuses on the assessment, diagnosis, treatment, and management of visual impairments and eye health disorders.	Aligns with national health priorities on eye care and vision health, supporting initiatives to reduce avoidable blindness.
69.	M.Sc Aesthetics and Digital Dentistry	Designed to blend clinical expertise in cosmetic dental procedures with proficiency in digital technologies that are reshaping modern dentistry.	Aligns with broader educational, technological, and healthcare strategies at the national and global levels. Alignment with NEP 2020, Digital Health Mission and Skill India & Make in India Initiatives.

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S. No	Program Name	Distinctive Focus	Societal and Strategic Alignment
70.	MPT Neurology	In-depth training in managing conditions like stroke, Parkinson's disease, multiple sclerosis, spinal cord injuries, cerebral palsy, traumatic brain injuries, and peripheral neuropathies. Neuroplasticity and Motor Control and Multidisciplinary Integration.	Alignment with NEP 2020, National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases and Stroke (NPCDCS) and Rights of Persons with Disabilities Act (RPwD), 2016
71	Ph.D. (Clinical Microbiology)	In-depth Study of Reproductive Biology, Specialization in Clinical Embryology, Skill development in handling microscopes, culture media, incubators, and advanced ART equipment.	The program aligns with national priorities and global healthcare trends, Alignment with NEP 2020, upport for National Cardiac Care Initiatives and Integration with Digital & AI-Based Healthcare.
72	Ph.D. (Clinical Biochemistry)	In-depth Study of Reproductive Biology, Specialization in Clinical Embryology, Skill development in handling microscopes, culture media, incubators, and advanced ART equipment.	The program aligns with national priorities and global healthcare trends, Alignment with NEP 2020, upport for National Cardiac Care Initiatives and Integration with Digital & AI-Based Healthcare.

Conclusion

Sri Indu Deemed to be University exemplifies the qualities and benchmarks that merit its recognition under the Distinct Category. With robust academic programs, a strong emphasis on research and innovation, state-of-the-art infrastructure, a dedicated faculty body, and a clear focus on student and community development, the institution stands as a model of excellence in higher education.

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