



Sri Sathya Sai Institute of Higher Learning

(Deemed to be University)

Policy for Promotion of Research at SSSIHL

Following is the institutional policy for promotion of research at Sri Sathya Sai Institute of Higher Learning (Deemed-to-be-University):

Revered Founder Chancellor, Bhagawan Sri Sathya Sai Baba says, *“The scientific knowledge we acquire today must be used for the benefit of the fellowmen. Unless the results of the research are applied in practice, it will be an expensive futility.”*

Benefit to Society

Inspired by the vision of the Revered Founder Chancellor, all the research activities at SSSIHL are carefully designed with an aim to have translational value with a Societal benefit. Thus, the topics for the doctoral research programs and other research projects undertaken across all departments are chosen with due diligence.

Interdisciplinary Approach

The research activities undertaken at SSSIHL are of inter disciplinary in nature and seek to integrate the strengths of all the disciplines in solving the critical problems affecting the society.

Thrust / Core Areas

- Health
- Energy
- Environment

Guiding Principle

- SSSIHL is an Institute of Higher Learning established with a vision to impart excellence in the field of Higher Education & Research integrated with Human Values. The Institute strives towards promotion of value oriented Teaching & Research in all aspects of SSSIHL's ecosystem.
- The Faculty are encouraged to carry out advanced research along with their teaching/training activities. They are provided with advanced facilities to support their research activities. The research output and the teaching components are taken into consideration for the career progression of the Faculty.
- The institute has made significant progress in promoting interdisciplinary research in areas such as Rapid Detection of Endemic Diseases, Diabetic Retinopathy, Development of Cost Effective Multi-Modal Microscope, Regenerative Medicine and Tissue Engineering. The Faculty are also actively collaborating with various organizations and external agencies in taking these programs forward.

- To add strength to the ongoing research activities, Sri Sathya Sai Central Trust (Parent Trust) with the Guidance and Blessings of Bhagawan Sri Sathya Sai Baba, the Founder Chancellor, has established 'Central Research Instruments Facility' (CRIF) at the Prasanthi Nilayam Campus of the Institute for the benefit and use of all the Faculty & Students across all the campuses.
- The Central Research Instruments Facility (CRIF) is designated to house all the advanced instrumentation, laboratories and facilities to promote multi-disciplinary research in the areas of Computer Sciences, Physics, Chemistry and Biology. Functional materials, Medicinal Chemistry, Phytochemistry, Disease Biology, Cell Biology, Structural Biology, Purification of Water and allied areas are some of the areas of focus. SSSIHL is also directing its efforts in advanced studies in Management, Economics, Leadership & Human Values, Philosophy and Indian Culture.
- The procurement procedures of the Institute for the capital and consumable items required for the Research & Training are in place and made simple to support the Faculty & Students.
- The Institute encourages its faculty to collaborate with various Institutes/Industries for their research activities and also apply for research grants from International/National Funding agencies, Industries and other Funding Sources. As per the norms of UGC, high standards of research output along with excellence in teaching & training is considered as one of the key criteria for the recruitment and promotion of faculty by the Institute.
- According to PhD Supervisor Regulations of the Institute, Professors and Associate Professors are recognized automatically as PhD supervisors, and Assistant Professors with required years of research experience, high quality research publications/patents are also recognized to supervise PhD students.
- IPR and Innovations Cell of the Institute has been established to encourage Innovation & Creativity of the researchers and to facilitate filing of patent applications of the inventions.
- The Institute encourages Faculty to establish network with other Universities/Research Institutes/Industries within India as well as abroad by entering into various collaborative agreements. The Institute has established Institute Industry Interface Cell (IIC) to facilitate the collaborative agreements. The Institute has currently entered into more than 50 MoUs for the benefit of faculty and students for research activities.

Role of Research Conferment Cell (RCC)

The Research Conferment Cell (RCC) is formed to oversee and facilitate all the research activities being undertaken in the Institute. The Research Conferment Cell (RCC) is constituted with the Vice Chancellor as the Chair and with the other members drawn from Sciences, Management, Commerce, Economics and Humanities.

Functions of the Research Conferment Cell

1. Inviting Departmental views on the intake of Ph.D. students (Numbers on existing on rolls and number of vacancies in each department)
2. Monitoring the progress of research activities including sponsored projects with the help of the respective Deans.
3. To facilitate preparation of major Research Project proposals (if requested) for submission to external agencies.
4. Review of academic regulations governing the Doctoral Research Programme.
5. Evaluation of the performance of the Research Scholar through Comprehensive Viva Voce and forwarding the recommendations to the Registrar for approval of the Vice Chancellor.

6. Plagiarism: Vetting the soft copy of the Doctoral Research Thesis and detailed justifications / clarifications provided by the Research Supervisor against each of the items in the plagiarism report and endorsing the thesis to be free of plagiarism.
7. Vetting the report on the colloquium, and the synopsis of the thesis for onward transmission to the Controller of Examinations with 4 copies of the thesis for the purpose of evaluation of the thesis.
8. Vetting of Panel of Examiners proposed by the Research Supervisor for evaluation of the Ph.D. thesis, for onward transmission to the Controller of Examinations.

Research Advisory Board

As per the directives of DSIR, MHRD, the Institute has constituted 'Research Advisory Board' with more than 50% members drawn from a pool of eminent scientists/academicians and industrial as experts. The board meets once in a year to review the ongoing research in the Institute and provide a roadmap from time to time in tune with the guiding principles of the institute.

Sai Krishna Best Researcher Award

With a view to promote vibrant research activities in the institute **Sai Krishna Best Researcher Award** has been instituted to recognize significant contributions. The selection of the candidate is based on the following broad parameters

- Relevance of Research work to the Society
- Research Publications and their quality
- Conferences attended
- Any special recognition and rewards related to research work

Ethics in Research

SSSIHL places utmost importance in encouraging the faculty for following ethical guidelines established by appropriate bodies in carrying out the research activities.

Institute has established **Internal Ethics Committee** for research involving human subjects and animal subjects and research proposals have to undergo these committees before carrying out the research.

Plagiarism check is another important factor for the researchers of the Institute. It is mandatory to check all the PhD theses before submission for plagiarism and certificate needs to be submitted with signatures of both research scholar and the concerned research guide. Plagiarism software has been provided to all the faculty for checking their research articles, research proposals and research project reports besides using plagiarism check to regulate the student assignments.

Institute encourages various departments to conduct workshops in research methodology where ethics in research is an integral part of the workshops. Awareness is also created to faculty members by invited talks in ethics in research. Ethics in research is also taught for PhD research scholars as part of their course work.

POLICY FOR INNOVATIONS, INCUBATIONS, ENTREPRENEUR DEVELOPMENT, PATENTS, IPRs AND COPY RIGHTS:

Intellectual Property

Intellectual property shall include patents, copyright, registered design trademark, knowhow for a process/product/design and computer software. Intellectual property generated shall be of two types.

Unencumbered

- 1) Developed through wholly in-house R&D programmes/projects. In such cases ownership of intellectual property is solely that of SSSIHL, and consequently the licensing rights are that of SSSIHL alone.
- 2) Intellectual property developed through sponsored/contract research and subsequently rendered unencumbered as per contractual arrangement with the partnering Institute/Industry. In such cases licensing of intellectual property by SSSIHL would be in accordance with the terms & conditions agreed upon with respect to third party licensing with the partnering Institute/Industry.

Encumbered

Developed through sponsored/contract research i.e., total or partial financial support, and with/without technical inputs from users/partnering Institute or Industry. In such cases, ownership and licensing of intellectual property for commercial utilization shall be governed by SSSIHL's obligations to the partnering Institute/Industry in the matter.

Licensing of Intellectual Property

Licensing of Intellectual Property shall mean granting the licensee the right to utilize the intellectual property and sell or use the resulting product(s) either for commercial/captive purpose or as otherwise agreed to.

Pricing of Intellectual property

There is no rigid formula for determining the price of Intellectual property and thus estimates vary from case to case. The price of knowhow/intellectual property normally ranges between 2% to 10% of either the plant & equipment cost or projected turnover of the unit for a period of 5 year's production. To arrive at price of intellectual property following factors will be kept in view:

- 1) Cost of development
- 2) Estimate of net benefit to be derived by the licensee
- 3) Size and number of potential licensees
- 4) Comparative cost of imported intellectual property
- 5) Possibility of intellectual property being pirated
- 6) Opportunity value.

Distribution of Financial benefit

20% of intellectual fee or net surplus (remaining after accounting for all direct and indirect expenditure for the service) whichever is lower to be shared with the staff in accordance with the guidelines outlined in the consultancy agreement.

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