



Academy of Scientific and Innovative Research

(An Institution of National Importance by an Act of Parliament)

AcSIR has been mandated to undertake high-quality teaching and research in frontier areas of Science and Technology particularly in inter- and trans-disciplinary areas of STEM

First of its kind
iPh.D

*i*nnovative, *i*maginative, *i*ndustry linked program

AcSIR Doctoral Innovation Fellowships

that will bring out the innovator within you

Packed with

- Curriculum based on Innovation & Entrepreneurship
- Backed by Industrial support
- Guided by competent Mentors
- World class research infrastructure

Partner



From the Largest Higher Education Research Institution in India

AcSIR at a Glance



Largest Higher Education
Institution in India
>6500 doctoral students



624 PhDs
awarded in STEM during 2023



>1000 PhD enrollment
per year for last 7 years



#11
in Research Institutions, 2023



>80 campuses Pan India



>5000 Alumni



~22000 Publications
by AcSIR students



67 Patents
by AcSIR students



2735 Faculty



Joint Degree Program with International Universities

iPh.D

Student to Sciencepreneur

AcSIR-CSIR-INDUSTRY ECOSYSTEM

State of the art facilities

World class mentoring: CSIR & Industry

Flexible learning: classroom, MOOCs, etc

Incubation Support

Resources & Funding

HONING OF SKILLS

Know the Science

Develop business acumen

Embrace risk & learn from failure

OUTCOME & BEYOND

Product/ Technology Development

Incubation Support & Venture Capital

TRANSFORMATION

Licensing/ Marketing

Thrust areas

- Mining, minerals, metals and materials
- Chemicals (including leather) and petrochemicals
- Energy and Energy devices
- Agri, Nutrition & Biotech
- Healthcare
- Earth Sciences (including water)
- Civil Infrastructure & Engineering
- Aerospace, Electronics

Courses

- Innovation and Entrepreneurship
- Market Research
- Prototype to Product
- Operations to Fund raising
- Venture Capital
- Ethics & IPR
- AI & Big data

Entrepreneur

Doctorate

AcSIR



AcSIR- NIF Doctoral Innovation Fellowships

Partner



राष्ट्रीय नवप्रवर्तन प्रतिष्ठान – भारत
National Innovation Foundation - India

Prospective Partner

Reliance
Industries Limited

SOCIAL
alpha



TATA POWER

adani
Power

tinna
Caring for Environment

Structure of the iPhD program

Program focus

Research to develop new product/ technology for the progress of the Nation and also for societal good

Eligibility

Master degree holder with entrepreneurial mindset

Mentorship

selected candidates shall jointly be supervised for Ph.D. by the faculty of AcSIR and scientists/technologists of NIF

Coursework

- Minimum credit requirement of 18 credits
- Built-in flexibility for completing the specially designed courses, related to innovation & entrepreneurship, within 3 years of enrolment apart from few compulsory courses on Research Methodology, Research & Publication Ethics, etc.

Monitoring:

- Monitoring Committee (having industry experts as members) shall review the progress of the student every 6 months.
- Monitoring Committee shall be constituted by the Director, AcSIR and shall also serve as Doctoral Advisory Committee (DAC).
Comprehensive Examination: Evaluation of progress in technology at the end of 3rd year

Comprehensive Examination

Evaluation of progress in technology at the end of 3rd year

Residency

Student shall have flexibility to work in different Labs (industrial or scientific) and/or remain in field

Program Duration

The PhD. degree program shall be for a minimum duration of three (3) years, including course work and a maximum of six (6) years from the date of admission to the PhD. program

Thesis submission pre-requisites

Filing of two Patents shall be mandatory before submission of Ph.D. thesis.

Award of Ph.D. degree


Thesis on TRL 4 level technology and its evaluation by Technologists/ industry Experts for the award of the PhD degree.

Post Ph.D. Support

Support with respect to incubation of business idea, etc.

iPh.D

Student to Sciencepreneur



“If you are
motivated
and passionate
about Doctoral
research for
technology
innovations”

Welcome to AcSIR

*We will shape you
as “Sciencepreneurs”*

AcSIR Headquarters

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