Funding Agencies & Schemes

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Funding Agencies

- **Science and Engineering Research Board (SERB)**
- **Department of Science and Technology (DST)**
- **University Grants Commission (UGC)**
- **All India Council for Technical Education (AICTE)**
- **Ministry of Electronics and Information Tech. (Meity)**
- **Ministry of New and Renewable Energy (MNRE)**
- **Council of Scientific & Industrial Research (CSIR)**
- **Defense Research & Development Organization (DRDO)**
- **Indian Space Research Organization (ISRO)**

Funding Agencies

- **Central Power Research Institute (CPRI)**
- **Ministry of Water Resources (MOWR)**
- **Department of Atomic Energy (DAE)**
- **Department of Bio Technology (DBT)**
- **Department of Scientific and Industrial Research (DSIR)**
- **Ministry of Environment and Forests (MOEF)**
- **Department of Education (DOE)**
- **Indian Council for Agricultural Research(ICAR)**
- **Indian Council for Medical Research(ICMR)**
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Science and Engineering Research Board

**National aspiration of constituting
an autonomous and robust research funding
mechanism in the country**

National Post-Doctoral Fellowship (N-PDF)

- PhD – Thesis Submission : Rs. 35,000/- pm
- PhD – Awarded : Rs.55,000/- pm
- Period: Within 24 months of Submission / Award (Issue of Provisional Certificate)
- Duration: 24 Months.
- Placement: New Institute - Other than PhD awarded Institute / University / Organisation
- Call for Proposals: Twice in a Year

Startup Research Grant (SRG)

- Indian Young scientists up to the age of 42 years are eligible. (3 year relaxation to few)

  Within Two Years of First Appointment to establish their Lab / Working facilities.

- Project cost is Rs. 30 Lakhs + Overheads for 2 years.

  Equipment, Research Personnel, Domestic Travel, Contingencies.

❏ Competitive mode of funding. Any Person holding permanent position in Recognized Labs/ Universities

❏ Supports potential scientists for their research projects in areas of Science and Engineering.

❏ Grants are given for manpower, equipments, consumables, conferences and contingencies.

Proposals are accepted One time a year.

❏ Average Project Cost: (a) Rs. 80.00 Lakhs for 3 Years

(b) Upto Rs. 5.00 Crore for 3 Years

(c) > 5 Crore for 3 Years

- ☐ **Supports proposals in high priority areas.**
  Ex. Earths Critical Zone, Glaciology, Climate Modeling

- ☐ **Multidisciplinary and multi-institutional expertise in areas where country can make an impact.**

- ☐ **Board identifies the priority areas and calls for proposal every year.**

Average Project Cost :
Rs. Upto 15 Crores

State University Research Excellence (SERB-SURE)

- Provides research support to active researchers belonging to state universities and colleges including private universities and colleges across India

- Applicants having any ongoing and completed SERB projects are not eligible to apply

- Applicant must hold a regular academic / research position in a recognized Indian Institutions.

- Grant covers Minor equipment/s, research personnel, consumables, domestic travel, contingency and other costs

- 3 Years- 30 Lakhs.

SERB International Research Experience (SIRE)

- Aims to impart high-end research training in frontier areas of Science and Technology

- To visit leading institutions/universities across the globe for a period of 02-06 months

- The age limit shall be 40 years.

- Age relaxation will be given as per GoI norms in respect of SC/ST/OBC/physically challenged and women candidates

- Monthly fellowship amount equivalent to US $ 3000

- One time Rs. 75,000/- to cover visa fee, airport transfer charges, insurance etc.,

- Overseas Medical Insurance in India and abroad of Rs. 20,000/-.

WOMEN SCIENTIST PROGRAMS

- Provides opportunities to women scientists & Technologists for pursuing research in basic or applied sciences.

- Supports women who have break in career for family reason.

- For PhD Holders: **Rs. 40 Lakh research grant for 3 years**

    Rs. 55,000/- per month fellowship

WOMEN EXCELLANCE AWARD: Rs. 5.0 Lakh per Year for 3 Years

Eligibility: Recognition as Young Women Scientist in any of the National Academies of India.

- Special program to ensure enhanced participation of marginalised sections of the Society (SC/ST) into the research and development fields, up to 56 years.

- More than 350 R&D proposals were received from scientists working in different institutions in the country.

- Fourth Call for Proposals was appeared during July – Aug 2017.

J C Bose National Fellowship

- To recognize active Scientists and Engineers for outstanding contributions for research.

- Open to all Indian nationals residing in India having permanent positions.

- Rs. 25000 per month as personal fellowship in addition to regular salary upto 68 years of age.

- Rs. 15.0 Lakh per annum grant for research, attending conferences and other expenses.

RAMANUJAN FELLOWSHIP

ELIGIBILITY

PhD degree in any Basic Science along with one or two years of Post Doc experience outside India

SALARY

Rs. 85,000/- per month

RESEARCH GRANT

7 Lakh per year

PERIOD

5 years

The awardee can choose a place of work in India

- Allows industry-academia interaction in Research & Development through PPP mode.

- Selected doctoral student has two thesis supervisors; One from Industry and one from academia.

- Student has to work on a problem of interest of sponsoring industry.

- Student gets double the scholarship; One from Board and one from Industrial sponsor for 4 years.

OVERSEAS DOCTORAL FELLOWSHIPS

- **$2000 per month for 5 years**
- **Integrated Degree (MS +PhD)**
- **Round Trip by Air India / Alliance**
- **Contingency Allowance: Rs. 60,000/-**
- **Admission through Host Institute Processes & Where MoU with SERB is available.**

SERB OVERSEAS POST-DOCTORAL FELLOWSHIP

- **USA– 50 per year (INDO-US Forum)**
- **Rest of the World: 50 per year**
- **12 months, extendable by 12 months after assessment**
- **Round Trip Air Travel**
- **$3000 per month Fellowship**
- **Contingency Allowance: Rs. 60,000/-**
- **Glaciology, Climate Change & Modeling Are identified as Thrust Areas.**

S.N. Bose Scholars Program

Partners: SERB, IUSSTF and University of Wisconsin – Madison

Objective: To promote research and capacity building in frontline areas of science and engineering through Indo-US cooperation, encourage post-graduate students to take up research as a career, and pave the way for the next generation scientists and technologists from India to interact with their American counterparts towards building long-term sustainable R&D linkages and collaborations.

Scholarship includes: Stipend, Air-fare, Accommodation and contingencies.

SERB-SUPRA (Scientific and Useful Profound Research Advancement)

- **Objective:** Seeks to explore new scientific breakthroughs, with long-term impact on our fundamental scientific understanding, and offer disruptive technologies at the cutting edge.

- For a period of three years, which could be extended to 2 years (5 years total) subject to performance evaluation.

- Success of such proposals will ideally open up new opportunities in S&T and impact global science not only in terms of Knowledge, but also in the form of delivered outcomes.

Power-(Promoting Opportunities For Women in Exploratory Research)

- Program is formulated to mitigate gender disparity

- Level I: The scale of funding upto 60 Lakhs for three years.

- Level II: The scale of funding upto 30 Lakhs for three years.

- Applicants from IITs, IISERs, IISc, NITs, will be considered under Level I category

- Others are under Level II category.

SERB Science and Technology Award for Research (SERB-STAR)

- [ ] To identify excellent PIs based on Outstanding Performance among large number of Researchers.

- [ ] Assured Research Grant, including Personal money, is expected to Promote Originality in research with Potential for High Impact and for targeting Long–term Research Goals.

- [ ] Open to all Indian Researchers working in any public funded R&D or academic institution with at least 10 Years of service remaining.

TEACHERS ASSOCIATESHIP FOR RESEARCH EXCELLENCE (TARE)

- Faculty working in State/ Private Institutions
- Need to collaborate with Well established Research Institutes (IITs, Central Univ., NITs)
- Need to work 90 days in Research institutes
- **Fellowship** : Rs. 60,000 per Year
- **Grant**: Rs. 5,00,000 per year (50% each to host and parent institution)
  – Manpower, Equipment, Travel and Contingency
- **Duration**: 3 years

Supports for attending International Conferences for presenting a paper, Chairing a session or delivering a keynote address.

Once in Three years.
Round Trip by Air India & VISA Charges.

For young scientists (up to 35 years)

Support is given to attending Conference, Training program, Workshop and Summer or Winter Schools.

Either Oral or Poster presentations.

Round-trip by Air India, VISA & Registration Fees.

ASSISTANCE TO SEMINAR / SYMPOSIA WORKSHOPS & PROFESSIONAL BODIES

- To share the Scientific Research Results among Domain Experts in various disciplines.

- In-depth Discussions and Networking of multi-disciplinary Scientists working on Common Problems.

- Outreach the Scientific Results to Societal Use

- Quality Publication of Scientific Research Results, Archival of latest Knowledge base and Dissemination among the Scientific Community.
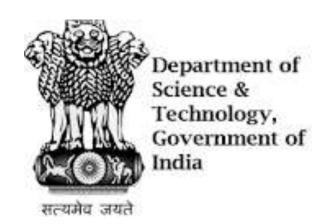
SERB Programs

R&D Support
- Core Research Grant – Extra Mural Research
- Scheme for Young Scientists (NPDF, SRG)
- IRHPA, SUPRA, MATRICS, POWER
- Empowerment and Equity Opportunities (EMEQ)

Fellowships
- Overseas Doctoral & Post Doctoral Fellowships
- J C Bose fellow
- Ramanujan Fellow
- SERB Distinguished Fellow (SERB-STAR)
- Prime Minister's Doctoral

Global Linkages
- Partnership for International Research and Education
- S.N. Bose Scholars
- Overseas Visiting Doctoral Fellowship (OVDF)
- VAJRA

S&T Support Systems
- International Travel Support
- Professional Bodies & Seminar / Symposia

Department of Science and Technology

Department of Science & Technology, Government of India

सत्यमेव जयते

National Science and Technology Management Information Systems (NSTMIS)

•The broader areas where studies could be taken up in the sponsored mode are ST investment, ST infrastructure, ST output, ST databases, ST manpower, RD productivity/efficiency etc.

• Some of the areas in which the research proposal/studies could be submitted are
   i Human Resources in ST,
   ii RD Infrastructure/Resources,
   iii ST Studies in Higher Education Sector,
   iv Mobility of ST Professionals,
   v RD and Innovation,
   vi IPR Management, and
   vii Scientometric Studies in ST.

• NSTMIS Scheme are listed at the NSTMIS website www.nstmis-dst.org.

Inter Disciplinary Cyber Physical Systems (ICPS)

• The broader areas where studies could be taken up in the sponsored mode: (http://dst.gov.in/interdisciplinary-cyber-physical-systems-icps-division)

I. Data Science and Predictive Technologies Research
- Fundamental and applied research in Data Science, big data, Analytics and predictive technologies

ii Internet of Things Research
- Basic and applied research in Sensors, actuators, operational systems development and IoT

iii Basic Research In Cyber Security
- Basic and applied research in cyber security and related topics

iv Epidemiology Data Analytics
- Development of analytics tools, algorithms for epidemiology data, disease burden in Indian context

v Indian Heritage in Digital Space
- RD, fusion of technology with Indian Heritage, tool development, prototypes development

vi Quantum Information Science Technology QuST-
- a networked based cluster programme- Directed Research

Innovation and Entrepreneurship Division

I. NIDHI TECHNOLOGY BUSINESS INCUBATOR

ii NIDHI SEED SUPPORT SYSTEM

iii NIDHI ACCELERATOR

iv NIDHI CENTRE OF EXCELLENCE

Kiran

I. Cognitive Science Research Initiative

ii Science and Technology of Yoga and Meditation

iii Women Scientists Scheme B

iv CSRI Post Doctoral Fellowship

National Council for Science and Technology Communication (**NCSTC**)

i. S&T Communication through community Radio

ii. National Children Science Congress

iii. India Innovation Initiative

iv. Outreach Programme

V. Mission Eco Next

VI. STEM Demonstration Dissemination Popularization

VII. SCICOM Folk Media Los Cost Teaching Aids Miracles

VIII. Celebrating National Science Day by State Councils and Depts.

IX. Science Media Research

Natural Resources Data Management Systems (NRDMS) & National Spatial Data Infrastructure(NSDI)

i. Natural Resources Data Management System

ii. Capacity Building In Geospatial Technology

iii. SDI for Urban Governance Applications

iv. Geospatial Technologies and Applications

R&D Infrastructure

i. FIST Life Science Level I or II

ii. FIST Chemical Sciences Level I or II

iii. FIST PG College Level

iv. FIST Engineering and Technology Level I or II

V. FIST Earth and Atmospheric Sciences Level I or II

VI. FIST Mathematical Sciences Level I or II

VII. FIST Physical Sciences Level I or II

Science For Equity Empowerment and Development (**SEED**)

i. Technology Interventions for Addressing Societal Needs

ii. Technological Advancement for Rural Areas

iii. Technology Interventions for Disabled and Elderly

iv. TSP Techno Interventions for Tribal Empowerment

V. Scheduled Caste Sub Plan

VI. Science and Technology for Women

VII. Scheme for Young Scientists and Technologists

Technology Missions Division

i. Solar Energy Research Initiative

ii. Water Technology Initiative

iii. Clean Coal Research and Development

iv. MI Smart Grids

V. Nano Technology

VI. Nano Bio

VII. Nano Science

VIII. Materials for Energy Conservation and Storage (MECSP)

IX. Hydrogen 2050

Technology Development Transfer

i.   Waste Management Technologies

ii. Advance Manufacturing Technology

iii. Device Development Programme

iv. Science and Heritage Research Initiative

V. Drugs and Pharmaceuticals Research Programme

VI. Technology Development Programme

VII. Technology Platform for Electric Mobility

VIII. Biomedical Device and Technology Development

All India Council For Technical Education (AICTE)

Staff Development Schemes

i. Seminar Grant

ii. INAE Teachers Research Fellowship

iii. Quality Improvement Programme (QIP)

iv. Faculty Development Programme (FDP)

V. Adjunct Faculty

VI. Trainee Teacher Scheme

VII. Travel Grant

VIII. AICTE and INAE distinguished visiting Professor

IX. AICTE – ISTE Orientation/ Refresher Programme

X. Technical Book Writing & Translation

XI. Short Term Training Program (STTP)

XII. Emeritus Professor (Distinguished Practicing Engineer)
   Fellowship

Research and Innovations Development Schemes

i.   Research Promotion Scheme (RPS)

ii. Entrepreneurship Development Cell (EDC)

iii. E-Shodh Sindhu

iv. Grant for Organizing Conference

Student Development Schemes

i.   PG Scholarship

ii. Prime minister's Special Scholarship scheme

iii. Pragati Scholarship

iv. Saksham Scholarship

V.   AICTE-INAE Travel Grant Scheme

VI. PRERANA – Scheme For Preparing Sc/St Students For Higher Education

VII. SAMRIDDHI – Scheme For Sc/St Students For Setting Start-ups

VIII. National Doctoral Fellowship (NDF)

IX. Support To Students For Participating In Competition Abroad (SSPCA)

X.   Smart India Hackathon

XI. M.Tech Projects As Internship With Small And Medium Enterprises (MSMES)

XII. Pradhan Mantri Kaushal Vikas Yojna (PMKVY)

Institutional Development Schemes

i. Unnat Bharat Abhiyan

ii. Share And Mentor Institutions (Margdarshan)

iii. Modernization And Removal Of Obsolescence (MODROBS)

iv. Skill And Personality Development Programme Centre For

SC/ST Students

University Grants Commission (UGC)

UGC Fellowships/ Research Programs

i. Emeritus Fellowship

ii. Dr. S. Radhakrishnan Post Doctoral Fellowship in Humanities and Social Sciences

iii. Post Doctoral Fellowship to Women

iv. Post Doctoral Fellowship to SC/ST Students

v. Raman Felloship for Post Doctoral Research in USA

vi. Major Research Project

vii. Minor Research Project

viii. Special Assistance Program

ix. Research Award for the Teachers

Defense Research & Development Organization (DRDO)

DRDO Schemes

i. Contract for Acquisition of Research Services (CARS)

ii. Grant in Aid Schemes in the following Boards:

    a. Aeronautics Research and Development Board (AR&DB)

    b. Armament Research Board (ARMREB)

    c. Naval Research Board (NRB)

    d. Life Sciences Research Board (LSRB)

iii. Thrust Areas Link

    https://www.drdo.gov.in/drdo/English/index.jsp?pg=thrustareas.jsp

Council for Scientific and Industrial Research(CSIR)

CSIR Schemes

i.   CSIR Research Grants

ii. Travel Grant

iii. Grant for Holding Seminar / Symposia

iv. Young Scientist Awards

v.   CSIR Nehru Science PostDoctoral Fellowship

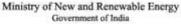vi. Program on Technology Led Entrepreneur

Other Funding Agencies

Other Funding Agencies & Schemes

i. ISRO-RESPOND Scheme

ii. Ministry of Electronics & Information Technology(MeItY) Schemes

    a. Grant in Aid Schemes

        1) R&D in Electronics

        2) R&D in Information Technology

        3) R&D in Cyber Security

    b. Technology Incubation and Development of Entrepreneurs Scheme (TIDE)

    c. Multiplier Grants Scheme (MGS)

Other Funding Agencies & Schemes (Cont..)

i.   MNRE Funding Schemes in alternate Energies

ii. Department of Atomic Energy Schemes:

  a. Regular Research Project

  b. Young Scientist's Research Award (YSRA)

  c. DAE-Scientific Research Council (DAE-SRC) Award

iii. Department of Scientific & Industrial Research (DSIR):

  a. Patent Acquisition and Collaborative Research and Technology
      Development

  b. Industrial R&D Promotion Program

Other Funding Agencies & Schemes (Cont..)

i. Indian Council for Agricultural Research (ICAR):

    a. National Agricultural Science Fund

ii. Indian Council for Medical Research (ICMR)

    a. Extramural Research Program

    b. International Travel

    c. Support for conducting seminars/symposia

    d. Post Doctoral Fellowship

    e. Medical Innovation Fund

    f. ICMR Visiting Fellowship

Other Funding Agencies & Schemes (Cont..)

i. Ministry of Water Resources (MOWR):

    a. R&D program in Water Sector

ii. Ministry of Environment and Forest

    a. Grant – in Aid Scheme in the following areas

        i. Environment Research

        ii. Pollution Control

        iii. Environment Information

        iv. Environment Education

        v. Animal Welfare etc.

Thanks