



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY

Science and Engineering Research Board

Accelerate Vigyan

An effort towards strengthening
the scientific research base





“ The vitality of a scientific community springs from many sources but more importantly, its capacity to identify, attract and nurture gifted individuals. ”

Shri Narendra Modi

Hon'ble Prime Minister of India



“ Accelerate Vigyan aims to widen the net and reach masses by providing research career support to students... ”

Dr. Harsh Vardhan

Hon'ble Union Minister for Science & Technology & Earth Sciences



ACCELERATE VIGYAN

An interministerial endeavour



ACCELERATE विद्युज्ज

The inter-ministerial scheme Accelerate Vigyan (AV) strives to provide a big push to high-end scientific research and prepare scientific manpower which can venture into research careers and knowledge-based economy. Recognizing that all research has its base as development of quality and well-trained researchers, AV will initiate and strengthen mechanisms of identifying research potential, mentoring, training and hands-on workshop, on a broad-based national scale. The vision is to expand the research base, with three broad goals, namely, consolidation/aggregation of all scientific programs, initiating high-end orientation workshops and creating opportunities for research internships, for those who do not have access to such resources / facilities.

As part of this acceleration drive, there is a plan to organize about 200 high-end workshops (dedicated to certain themes) to provide opportunities to about 5000 Postgraduate and Doctoral level students every year, in collaboration with premier scientific institutions and laboratories. Also, central coordination of internships in these institutions will provide opportunity to another 1000 potential Postgraduate students every year.

The AV will work on mission mode, particularly with respect to its component dealing with consolidation/aggregation of all major scientific events in the country. Thus, an Inter-Ministerial Overseeing Committee (IMOC) among all the scientific ministries/departments and few others have been constituted for the purpose to help and support SERB in implementing the AV scheme as a successful embodiment.

The database of skilled manpower developed across different disciplines so generated and the final outcomes captured in the process through all the sub components of the AV will serve the cause of all stakeholders in respect of capacity building in the country. The scheme also seeks to garner the social responsibility of the scientific community in the country. In a nutshell, AV is expected to be a game changer for developing career paths and providing support to catalogue the skilled man power development.

ABHYAAS (Skill Development)

SAMOOHAN (Bring Together)

ABHYAAS (Skill Development)

Mission '**ABHYAAS**' is an attempt to boost Research and Development in the country by enabling and grooming potential PG / PhD level students by developing dedicated research skills in selected areas / disciplines / fields through high-end workshops and research internships. This is especially important for those researchers who have limited opportunities to access such learning capacities / facilities / infrastructure. This mission will be achieved through two of its subcomponents / programs, namely, 'KARYASHALA' (High-End Workshops) and 'VRITIKA' (Research Internships).

कार्यशाला (High - End Workshops) KARYASHALA

'**KARYASHALA**' is aimed to provide hands-on experience to the students primarily from universities, colleges, private academic institutions and newly established institutes in handling / troubleshooting of high-end scientific instruments and such skill development on themes required for quality and cutting edge research work.

The program is meant to support motivated PG and Ph.D. students who are having a strong willingness to get excellence in their scientific and engineering research pursuit, and do not have such high-end facilities in their own institution in the country.

Daily necessary expenses such as TA, stationary, consumables, accommodation, food, etc. for the participating students will be borne by the host institute through SERB funding support.

A typical duration of each high-end workshop will be 1-2 weeks.

वृत्तिका (Research Internships) VRITIKA

'**VRITIKA**' is the call for initiation and practice in science through research internships. This program aims to provide opportunities to promising PG students from universities and colleges to get exposure and hands-on research experience.

The scheme is meant to support regular PG level students who are having a strong orientation and potential towards scientific and engineering research and are pursuing their degree from University / Institution within India, but do not have the requisite infrastructure or expertise in their institutions, to be able to get first such exposure and motivation.

The internship will be given for meeting daily necessary expenses such as TA, stationary, consumables, accommodation, food etc. and will not contain any stipend for them. The support amount will be about Rs. 30,000/- per intern for the duration of 1-2 months.

These high-end workshops & research internships will primarily be facilitated by institutions of national importance such as IITs, IISc, IISERs, NITs and other organizations / laboratories of eminence like CSIR, ICAR, ICMR, etc.

HOW TO APPLY

The application must be submitted against the call for the proposals at Accelerate Vigyan web-portal (<https://www.acceleratevigyan.gov.in>) generally in the month of May for the incoming winter season (November - January) and in the month of November for the summer season (May - July) next year.

SAMOOHAN (Bring Together)

Mission '**SAMOOHAN**' is aimed to encourage, aggregate and consolidate all scientific interactions in the country under one common roof. This mission, through its wide knowledge base, caters to a varied audience – R&D Departments, Institutes in Science & Technology as well as Stakeholders - mentors, coordinators, participants and students. This will be achieved through two of its subcomponents, namely 'SAYONJIKA' (aggregation of the major capacity building activities of all science departments / ministries in the country) and 'SANGOSHTHI' (existing Seminar & Symposia scheme of SERB).

संयोजिका (Chronicle) SAYONJIKA

'**SAYONJIKA**' is an integrated initiative to catalogue the capacity building activities in Science and Technology supported by government funding agencies in the country. This program aims to encourage the Event Organizers to register with Accelerate Vigyan online portal, to utilize its logo and submit the completion report and outcomes. The information base aggregated through this initiative will benefit the students, teachers, researchers, science administrators and policy makers, in participating, conducting and planning future capacity building activities and have repository of the skilled manpower in various fields / areas.

The events supported by the national agencies (Central Government Ministries / Departments) are eligible under SAYONJIKA.

The events related to "Science and Technology" and of five or more days are only eligible for funding.

संगोष्ठी (Seminar & Symposia) SANGOSHTHI

'**SANGOSHTHI**' is an effort to reshape and renovate SERB's erstwhile program "Seminar and Symposia", that provides partial financial support up to Rs. 5 lakh (generally) for scientific events. It is designed to facilitate the scientific community to establish an interaction with individuals and research groups to enhance knowledge exchange, keeping them abreast of the latest developments in Science & Technology. This is done by providing partial financial support to hold conferences, seminars, symposia, technical meetings and short-term training programs / workshops. The ultimate objective is to bring it under the ambit of SAMOOHAN, so that all such events fall under the common roof.

The program covers events having a strong orientation towards scientific research in the areas of basic and applied sciences, engineering, technology, agriculture and medicine.

Partial support can be used to cover the domestic travel in respect of young & senior scientists (Indian only), pre-conference printing (announcements, abstracts, etc) and contingencies.

There is no bar on the number of days in the entire duration of proposed events.

HOW TO APPLY

SAYONJIKA

Applicant must apply online at Accelerate Vigyan web-portal (<https://www.acceleratevigyan.gov.in>) immediately after the receipt of approval / sanction letter of the Departments / Ministries / Statutory Bodies to Government of India to hold these workshops / training programs / winter & summer schools.

SANGOSHTHI

Application must be submitted online at SERB online web-portal (<https://www.serbonline.in>) within 180 days, but at least 60 days prior to the commencement of the event. This scheme, after certain period, will also be implemented through Accelerate Vigyan web portal after due notifications.



The Science and Engineering Research Board (SERB)

A statutory body of the Government of India (GOI), established through an Act of Parliament, viz. the Science and Engineering Research Board Act, 2008 for planning, promoting and funding of internationally competitive research in emerging areas; and identify major interdisciplinary research areas, and individuals, groups or institutions and funding them for undertaking research.

Visit <https://www.acceleratevigyan.gov.in>
for more details on the scheme

Visit <https://www.serbonline.in>
for availing the **Sangoshthi** component

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