

- Royal Botanical Garden, Edinburgh, UK
- The Far Eastern Branch of the Russian Academy of Sciences (FEBRAS)
- International Coordination Council, Non-Resident Nepalese Association
- New and Renewal Energy Material Development Centre, Chonbuk National University, Korea
- National Institute of Materials Science, Japan
- Amnity University Uttar Pradesh, india
- Global Change Research Centre, Czech Academy of Sciences, (CzechGlobe)
- Institute of Care-Life, People's Republic of China
- Department of Geosciences, University of Montan, Missoula, MT, USA
- China-South Asia Technology Transfer Centre
- Earthquake Research Institute, the University of Tokyo, Japan
- Chonbuk National University, Jeollabuk-do, Republic of Korea
- Ecoparty (Global Environment Cultural Exchange Society), Matsudo, Chiba, Japan
- Institute for Advanced Sustainability Studies (IASS), Potsdam, Germany
- China South Asia Technology Trasfer Center , Kunming , China

National Linkages

- Tribhuvan University, Kirtipur
- The Solar Energy Test System (SETS), Khumaltar, Lalitpur
- Alternative Energy Promotion Centre and Energy Sector Assistance Program (AEPC/ESAP) Mahendra Sanskrit University, Dang
- Kathmandu University (KU), Dhulikhel, Kavre
- B.P Koirala Institute of Health Sciences (BPKIH), Dharan, Sunsari
- National Centre for Education Development (NCED)
- Department of Education, Ministry of Education and Sports
- Department of National Park and Wild Life Conservation, Ministry of Forest and Soil Conservation
- Shelter and Local Technology Development

- Centre (SLTDC),
- Nepal Education Foundation-Consortium of Colleges, Nepal, Lalitpur

MEMBERSHIP/FOCAL POINT

NAST contributes to the globalization of science and technology by being the focal point for international cooperation and information exchanges.

- The World Academy of Sciences (TWAS)
- Association for Science Cooperation in Asia (ASCA)
- Association of Academies of Societies of Sciences in Asia (AASSA)
- Center for Science and Technology of Non-Aligned Countries (NAM S&T Centre))
- Inter Academy Panel (IAP)
- International Council of Scientific Unions (ICSU)
- International Foundation of Sciences (IFS)
- Science Council of Asia (SCA)
- Science & Technology Policy Asian Network (STEPAN)

Organisational Structure

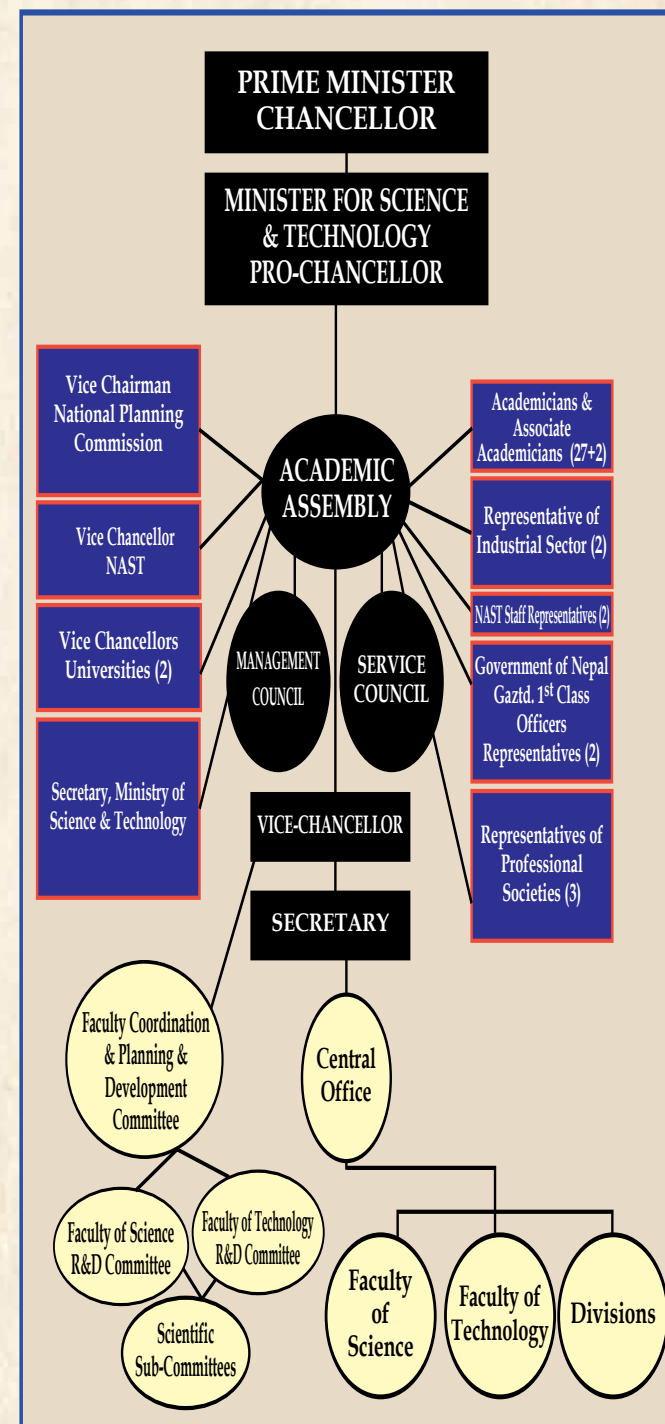
Rt. Hon'ble Prime Minister is the Chancellor and Hon'ble Minister for Science and Technology is the Pro-Chancellor of the Academy. The Management Council headed by the Vice-Chancellor functions as the Executive body of the Academy. The indispensable bodies within the structure support the functions of the Academy.

Executives

Prof. Dr. Jiba Raj Pokherel
 PhD (Architecture Conservation, University of York, UK)
 Vice-Chancellor

Dr. Buddhi Ratna Khadge
 PhD (Plant Pathology, University of Philippines at Los Banus)
 Secretary

ORGANIZATIONAL STRUCTURE



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 Khumaltar, Kathmandu



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Nepal Academy of Science and Technology

Introduction

Nepal Academy of Science and Technology (NAST) is an autonomous body established by a Royal Charter in 1982 and was later replaced by an Act of Parliament in 1992. NAST is an independent apex body established for the promotion of science and technology through research, evaluation, and popularization for the overall development of the nation. The Academy has a mandate to advise the Government of Nepal on national S&T program and policy. It carries out its functions through Faculties of Science & Technology with support of its Promotion and Administrative divisions.

Objectives

NAST was established with the vision of an overall development of the country propelled by science and technology. To ensure the vision, the Academy has been entrusted with four main objectives.

- Advancement of science and technology for overall development of the nation
- Preservation and modernization of indigenous technologies
- Promotion of research in science and technology
- Identification and facilitation of appropriate technology transfer

Directives of the Academy

The Academy is the 'think tank' of the nation to pursue excellence in the field of S&T. The functions encompass broad spectrum to impel the advancement of science and technology.

- Conduct Research in prioritized areas of Science and Technology
- Advise Government of Nepal (GoN) on science and technology policy and programs
- Advise GoN on technology transfer policy
- Collaborate S&T related programs with national and international agencies
- Disseminate S&T related information through modern information system

- Organize seminars, workshops, conferences, fairs, exhibitions and facilitate S&T publications to ensure Science Popularization in the country
- Establish cooperation with regional and international S&T institutions
- Mobilize internal and external resources in S&T sector
- Promote and foster national S&T institutions
- Advise GoN on the establishment of new S&T institutions

Research Areas

NAST conducts research in collaboration with national and international agencies through Faculties of Science and Technology. Research, innovation and technology transfer related activities embraces wide range of S&T arena.

Activities of Faculty of Science

Biological Resources
Molecular Biotechnology
Natural Product Chemistry
Environment and Climate Change
Physical Sciences
Nepal Climate Change Knowledge Management Center (NCKMC)
Talent Promotion
Nepal Flora Project
Model Science Village Project

Activities of Faculty of Technology

Solar Energy Technology
Materials Science and Nanotechnology
Bioenergy Technology
Innovation, Incubation and Technology Transfer
Disaster Risk Reduction
Instrumentation
Wind Energy Mapping
Small Hydropower
Information Technology
Indigenous Technology
Plastics to Fuel Project

Promotion and Publicity

Research findings need to outreach the national and international scientific community and general mass. Promotional activities are conducted through Promotion and Publicity Division to disseminate and popularize S&T.

Activities of Promotion Division

Awards, Fellowships, and Grants Distribution
S&T Communication through Audio - Video Programs
Science Awareness Campaign
Scientific Publication and Conference
Library and Information Resource Center

Pioneer Initiatives

In more than thirty years of history of NAST, it has carried out several pioneering tests, research and applications of different technologies, and established institutions needed for our country.

- National Forensic Science Laboratory (1986)
- Natural Force Ferry Boat at Gaighatt and Ghatbesi (1987)
- Radiation Monitoring Service and Research (1988)
- BCSPIN Summer Schools of Physics (1988)
- Photovoltaic Water Pumping System, Ammapur Dang (1988)
- Biobriquettes and Testing of Improved Cooking Stove
- Wind Energy Monitoring Station - Kagbeni Mustang (1989)
- High Altitude Pyramid Laboratory (1990)
- Introduction of E-mail Services in Nepal (1993)
- Science Week (1993)
- Science Radio Program (1996)
- Renewable Energy Test Station (2002)
- DNA Sequencing Using PCR (2003)
- Dendrochronology Laboratory (2009)
- Nepal Climate Change Knowledge Management Centre (NCKMC) (2010)
- Publication of Flora of Nepal (2011) Volume (3)
- Sun Simulator for Solar Module Testing (2013)

- Plastics to Fuel Laboratory (2016)
- Earthquake Early Warning Control Center (2016)
- Renewable Energy Test Station (RETS)

Institution Linkages

NAST has academic linkages with national, regional, and international S&T Academies and institutions for bilateral and multilateral academic exchange programs and collaborative research.

International Linkages

- Bangladesh Academy of Sciences, Bangladesh
- Chinese Academy of Sciences, China
- Institute National De la Recherche Agronomique (INRA), France
- Hungarian Academy of Sciences, Hungary
- Central Drugs Research Institute, Lucknow, India
- Council of Scientific and Industrial Research (CSIR), India
- Indian National Science Academy (INSA), India
- Institute of Microbial Technology, Chandigarh, India
- National Council of Science Museum, (NCSM) India
- Ev-K2-CNR, Italy
- Consiglio Nazionale delle Ricerche (CNR), Italy
- New Energy Industrial Technology Development Organization (NEDO), Japan
- Pakistan Academy of Sciences
- The University of Tokyo, Japan
- The Korean Academy of Science and Technology (KAST), Korea
- The Mongolian Academy of Sciences (MAS)
- National Academy of Sciences Sri Lanka (NASSL)
- University of Zurich, Switzerland
- Academia Sinica, Taiwan
- Academy of Sciences of IR IRAN
- Asian Institute of Technology (AIT), Thailand
- King Mongkut's University of Technology Thailand
- National Science & Technology Development Agency (NSTDA), Thailand
- Natural History Museum, UK