Igniting young minds with the joy of science
The Indian Academy of Sciences was established in 1934 by Sir C V Raman with the objective of creating an independent body that could champion the cause of science in India. Over the decades, the Academy has made crucial and significant contribution in this direction through different activities in the spheres of science education, the publication of scholarly journals and books, and the public recognition of scientific excellence by electing outstanding scientists into the Academy Fellowship. As an autonomous body that is funded through the Department of Science and Technology (GOI), the Academy has about one thousand and fifty of the leading scientists of the country among its Fellowship, and also include about 55 of the leading scientists of the world as Honorary Fellows and over 50 Young Associates.

Existing institutional structures and mechanisms in a country as large and as diverse as ours are inadequate in meeting all the challenges of an evolving global order.
It was increasingly felt by the Fellowship in recent years the need to expand the Academy’s activities into directions that would enhance our relevance and effectiveness at the national level. Existing institutional structures and mechanisms in a country as large and as diverse as ours are often inadequate and inflexible at times in meeting all the challenges that the evolving global order has thrown up in the past decades.

Sir C. V. Raman, Founder of the Academy, flanked by Sir Mirza Ismail (to his right) and Max Born (to his left) at the Inauguration of the Academy in 1934.

So we came up with a new initiative.
The Academy Trust (tAcT) was set up in August 2014 a registered public charitable body under the auspices of the Indian Academy of Sciences, Bengaluru.

Headed by some of the most distinguished scientific minds in the country, this non-governmental entity hopes to address some of above concerns and to bring about a tangible change in the way science is taught and implemented in the education system and society in general.

The aim of the Trust is to focus on areas as capacity building, promoting outreach activities particularly in areas where there is an urgent need for intervention, fostering innovation and excellence in Science and Technology, collaborating with other organizations for implementing joint programmes, improving research and education in science and engineering and setting up science education chair/professorship.
Our objectives are targeted through a three-pronged approach:

**Enhance** science education for school and college students, by augmenting the existing curricula and developing interest in science.

**Establish** a strong Visitors programme by instituting Endowment Chairs to invite leaders in science from across the world.

**Encourage** and promote Academy-Industry interactions through industry internship programmes for students to enable them to gain hands-on experience of working in industry.

Promoting science and technology outside the scope of regular academies and institutions.
Implementing clearly defined programmes and activities to achieve tangible results

TARGETED

Mentoring young scholars: science education for school and college students

Collaboration with industries for internship programmes

Institute Endowment Chairs for science education and science-related activities

Scientific Research and development

Conduct workshops to meet tailored industry requirements

Theme meetings and conferences with industry participation
PROGRAMMES

Create awareness about ethics in science amongst students

Organise events like science quizzes, competitions, experiments and so on for school students

Organize popular lectures

Implement joint programmes with organisations having same objectives in science and engineering

Public engagement for promoting scientific studies, teaching and research
EVENTS & POPULAR SCIENCE LECTURES

Optical telescopes: An eye to the Universe
by Prof. Ram Sagar, November 2016

Biological Science in the 21st Century
by Prof. Amitabh Joshi, November 2016, IISER, Bhopal

India’s Mars Orbiter Mission
by B R Guruprasad, February 2015

What factors limit Education in Science?
by Prof. M R N Murthy, February 2014, Government Science College, Bengaluru

QUIZ PROGRAMMES

Our Climate
February 2015, Kendriya Vidyalaya, Malleswaram

Inter-school Biology Quiz
October 2016, Vyasa International School, Bengaluru

SCIENCE EXHIBITIONS/DEMONSTRATION PROGRAMMES

Over 100 students from Poornaprajna High School engaged in lectures, demonstration of Science Models, and visited the Raman Museum.
ACTIVITIES

Outreach Programme for school students (in association with Eklavya Trust)
November 2016, IISER, Bhopal

Over 175 students of classes 9, 10 and 11 representing 6 schools engaged in various simple experiments to understand some of the basic concepts of science.

NATIONAL SCIENCE DAY CELEBRATIONS

Celebrated every year on 28 February to commemorate the invention of the Raman Effect by the Indian physicist, Sir C V Raman in 1928, the activities include debates, quiz competitions, exhibitions, lectures, etc., involving college and school students and teachers.

2017 – Held at Indian Academy of Sciences, in association with Raman Research Institute and Agastya International Foundation. Over 120 students from Stella Maris School and Bapu High School participated.

2016 - Held at Indian Academy of Sciences, in association with Raman Research Institute and Agastya International Foundation.
One of the objectives of the Academy Trust is to build a strong relationship with Industries in all possible areas on recognizing the importance and need for academia and industry interaction. tAcT aims to jointly participate in research and development, consultancy, education and manpower training. In this effort tAcT desires to work in close partnership with the experts and resources available in industry.

The following thrust areas are currently being targeted:
PARTNERSHIP

JOINT SUMMER INTERNSHIP PROGRAMME FOR STUDENTS AND TEACHERS

A key objective of tAcT is to have academic cooperation with Industries with the specific objective of encouraging and supporting world class, innovative, and impact-creating work by offering internships at industries through the formation of Joint Internship Programme.

Suitable candidates who are bonafide full-time students, pursuing M.Sc./M.Pharma M.Tech, provided by the Academy will be nominated for the Program in Industries in one or more of the following disciplines: Physics, Metallurgy, Materials, Computer Science, Electrical, Electronics, Mathematics and Life Sciences. The process of selection of candidates will be as per the norms being followed by the Academy and the final selection will be done by tAcT in consultation with Industries.
Helping students gain hands-on experience via industry internship programmes

Selected students will undergo internship in the Innovation Labs and/or other identified institutions for about two months.

tAcT will pay the interns a stipend/fellowship amount for covering the living expenses and will also cover the travel expenses by train.

Our Partners are:

- Tata Consultancy Services
- Cadila Healthcare - Zydus
- TR Anantharaman Education and Research Foundation
- Springer

Dr Veena Sahajwalla from Faculty of Materials Science, UNSW, Australia and Jubilee Professor of the Academy speaking at an Academy Symposium on transforming waste into valuable resources. The Academy Trust is planning to have a joint workshop involving participants from Industries and research institutions on the subject.
CONTINUING EDUCATION
Industries will sponsor their employees, meeting the admission criteria, for pursuing M.Sc./M.Pharm./M.Tech./Ph.D. programmes at designated places by tAcT in areas of interest to Industries.

ENDOWMENT CHAIRS
Establishing strong Visitors Programme by instituting Endowment Chairs through which leaders in science are invited from across the world.

Springer Nature sponsors a Chair by which a high-profile international expert tours and lectures at research-intensive institutions in India and neighboring countries. Prof. Frank Shu, Astrophysicist and Astronomer, is the first occupant of the chair.

THEME MEETINGS
Organise Theme meetings in important areas such as big data, health care, manufacturing, etc. with industry participation and sponsorship. Fellows of the Academy and participation of experts from outside could be involved.

WORKSHOPS
Workshops sponsored by industries as per their requirements conducted and/or addressed by experts from Academy Fellowship and beyond.
The trust generates its corpus funds to support its programmes and activities and to sustain them on long term through donations from the Academy Fellows, well-wishers, donors, institutions, philanthropists, industries, entrepreneurs, private and public enterprises, and NGOs. Donations received are exempt from income tax u/s 12A and 80G of the IT Act both for donor and donee.

The Academy Trust offers three ways to submit donations:

**Wire transfer/Electronic Fund transfer (SBI)**
- Current Account No.: 34446403068
- IFS Code: SBIN0001811
- Bank Address: State Bank of India, Sadashivanagar Branch (01811), No.7/A, Vagdevi Mane, 2nd main road, Vyalikaval, Bengaluru 560 003.

**Payment through SBI gateway**
- Click on Donations; SBI Collect Form will pop up.
- Accept the terms and conditions in the Form to proceed.
- Select Donations from Payment category.
- Fill in the details and submit to make the payment.

**Cheque or Demand Draft**
- In favour of “The Academy Trust” addressed to The Executive Secretary, Academy Trust, Indian Academy of Sciences, Bengaluru 560 080.
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