



TM

# PRIDE OF INDIA

Frontier Science & Technologies  
Mega Expo

INDIA'S MOST PRESTIGIOUS EVENT



**104th INDIAN SCIENCE CONGRESS**

**03 - 07 January 2017**

**Sri Venkateswara University, Tirupati, A.P.**

**SCIENCE & TECHNOLOGY  
FOR  
NATIONAL DEVELOPMENT**



Host

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**VIGYAN JYOT**



**HALL of PRIDE**

**VEDU  
VISION**

**Genesis  
SYMPOSIUM**





## Glorious History of the Indian Science Congress

Established in 1914, Indian Science Congress Association (ISCA) is the premier Indian Science Community organisation formed with the objective of advancing, promoting and furthering the cause of science in India. Over the years, ISCA has been headed by luminous personalities and scientists like Acharya Prafulla Chandra Ray, Sir M. Visvesvaraya, Sir J.C. Bose, Professor C.V. Raman, Sir Lewis L. Fermor, Dr. D.N. Wadia, Sir Shanti S. Bhatnagar, Pt. Jawahar Lal Nehru, Prof. P.C. Mahala Novis, Dr. Homi Bhabha, Dr. M.S. Swaminathan, Prof. M.G.K. Menon, Prof. C.N.R. Rao, Prof. Yash Pal, Dr. R.A. Mashelkar, Dr. R.S. Paroda, Prof. S.S. Katiyar, Dr. K. Kasturirangan, Dr. Asis Datta, Dr. Manmohan Singh, Dr. N.K. Ganguly etc.

With 150 members and 35 papers communicated for reading at the first session in 1914, ISCA has grown into a strong fraternity with more than ten thousand members. For the last 103 years, the annual meet of Indian Science Congress (ISC) brings together the entire scientific fraternity to discuss the key issues pertaining to various streams of science. The recommendations resulting out of this brainstorming forms the basis to chart future directions for the Government of India.







## Inauguration

The 104th session of the prestigious Indian Science Congress (ISC) will be held at the sprawling campus of Sri Venkateswara University, Tirupati, Andhra Pradesh from 03-07 January 2017. The 104th ISC shall be inaugurated by **Shri Narendra Modi, Honorable Prime Minister of India** on January 03, 2017 as per the precedence. The occasion shall be graced by Eminent Scientists, Nobel Laureates, Dignitaries, former ISCA General Presidents, Industry Leaders, Policy Makers, Innovators, Academicians and thousands of national/international delegates.

## Focal Theme

The science and technology plays a vital role in the national development. Science is known as the study of knowledge, which is made into a system and depends on analyzing and understanding facts. Technology is basically the application of this scientific knowledge. Hence, science & technology can help generate inclusive and sustainable development in all aspects of the nation. Indian science has come to be regarded as one of the most powerful instruments of growth and development especially in the emerging scenario and competitive economy.

In the wake of recent developments and the new demands that are being placed on the S&T system, it is necessary to deliberate upon some major science related issues which have relevance to national needs and will be of relevance for tomorrow's technology. The ISC at Tirupati would focus on the role of Science & Technology for development in India across all sections of the society. The theme of 104th ISC therefore, has been aptly chosen as **"Science & Technology for National Development"**.

104th Congress is expected to give a new direction and impetus to research & development as well as policy framework and education in India aimed at all-round national development.

## Host Organization

Sri Venkateswara University, Tirupati was established in the year 1954 in the world famous holy temple town of Tirupati on the sprawling campus of 1000 acres with a panoramic and pleasant hill view. The University stands as a testimony to the wisdom and foresight of great visionaries Late Sri Tanguturi Prakasam Pantulu, the then Chief Minister of Andhra and Late Sri Neelam Sanjiva Reddy, Former President of India to cater the educational needs and aspirations of the people of Rayalaseema area. With a great wisdom, the founder of this University has rightly coined the motto Wisdom lies in proper perspective for it.

The University has grown excellently from strength to strength over the past 60 years, as a premier institute of higher learning under the able and committed leaderships of successive Vice-Chancellors starting from Prof. S. Govindarajulu to the present Vice Chancellor Prof. Avula Damodaram. It has gone through greater strides in the transformation of the University with acquiring necessary and modern sophisticated instrumentation to catch up with the world competition in academic and research programmes.

The University has been moving forwards in achieving academic excellence with a strong commitment and dedicated approach.



## Prime Movers



### **Prof. D. Narayana Rao**

General President  
Indian Science Congress Association &  
Director - Research SRM University  
Kattankulathur - Tamilnadu

“ Prof. D. Narayana Rao, a scientist of repute is known for his scientific contributions in the field of Atmospheric and Space Sciences. He has worked in S.V. University, Tirupati in different capacities. He has carried out several sponsored research projects. He was later on appointed by the Government of India as Director, National Atmospheric Research Laboratory (NARL), Department of Space. Presently, he is the Director – Research at SRM University, Kattankulathur, Tamil Nadu. He had the unique privilege of sensitizing and motivating the young students of SRM University in designing, developing a Nano Satellite launched by ISRO in October 2011. He has published more than 120 research papers in highly reputed international journals. 29 students were awarded their Ph.D degrees under his research supervision. In recognition of his scientific contributions, he has received several awards including Sir. C.V. Raman award for outstanding contributions to Physical Sciences, Astronautical Society of India (ASI) award for excellence in the field of Space Science and Applications, presented by the Hon'ble Prime Minister of India in the year 1996. He had the privilege of receiving the S.S. Bhatnagar memorial Award (ISCA) from the Hon'ble Prime Minister of India in the year 2011. ”



### **Dr. Avula Damodaram**

Vice-Chancellor  
Sri Venkateswara University

“ Dr. Avula Damodaram took over as Vice- Chancellor of Sri Venkateswara University on 31st October 2015. Dr. Damodaram joined as faculty of Computer Science & Engineering at JNTU, Hyderabad in the year 1989. In 2 ½ decades of dedicated service, Dr. Damodaram performed distinguished services for the University, as a Professor, Head of the Department, Vice Principal, Director of UGC-Academic Staff College, Director of School of Continuing & Distance Education, Director, University Academic Audit Cell; and Director, Academic & Planning. Dr. Damodaram has successfully guided 23 Ph.D. and 2 MS Scholars apart from a myriad of M.Tech projects. Dr. Damodaram is on the editorial board of 2 International Journals and a number of course materials. Dr. Damodaram has been a UGC nominee for a number of expert and advisory committees of various Indian Universities. Dr. Damodaram has been a Life Member, Vice-President, Director and President of a number of core committees spread all over the country. He has organized one International conference, 30 Workshops, Short Term Courses and other Refresher and Orientation programmes. Dr. Damodaram has published 89 well-researched papers in national and international journals. He has also presented 72 papers at different National and International Conferences at the Universities of United States of America, Austria, the United Kingdom and other places. On the basis of his scholarly and administrative achievements and other multifarious services, Dr. Damodaram was honoured with the award of DISTINGUISHED ACADAMECIAN by Pentagram Research Centre, India, in January 2010. Dr. Damodaram also received BEST TEACHER AWARD from the Government of Andhra Pradesh, Department of Higher Education, Hyderabad, in September 2013. ”





## **Pride of India Expo**



The Pride of India (Pol) Expo organized concurrently with the Indian Science Congress is a confluence of new ideas, innovations and products encompassing the entire canvas of scientific world. The expo showcases cutting-edge technologies, scientific products and services, achievements, innovations, initiatives, and vision for future of India's leading public and private organisations, research labs, institutions dealing with education, defence, space, life sciences & healthcare, agriculture & food processing, energy, environment, infrastructure, automobiles, ICT, BFSI etc.

Over the years, the Pol Expo has emerged as an excellent platform for meaningful interaction between scientific fraternity, academia & entrepreneurs, technology transfers, collaborations in R&D, launch of tech-driven innovative products, concepts etc striking right cord with all its

stakeholders. The Pol Expo is spread over an area of 20000 sqm and is built with the state of art infrastructure. Such is the power of this event that the five days witness lakhs of visitors from the scientific fraternity, academia, R&D institutes, government, corporate, PSUs etc. The corporate world explores new opportunities of transforming concepts into marketable products/services, forging new alliances with best of the R&D labs and establishing contacts. The budding scientists of India throng the venue to assimilate never ending stream of knowledge.

## **Participant Profile**

### **Who Should Participate**

Corporate, R&D Organizations, Central & State Governments, Public Sector Undertakings, Academic Institutions, S&T Organizations, Environmental & Clean Tech Cos, Aerospace & Defense and Allied Organizations, BFSI, NGOs, Media & Publishers, Social & Cultural organizations, Museums, SMEs, Experts, Consultants.

**Organisation dealing with :** Instrumentation, IT & Biotech, Agriculture & Horticulture, Processing Units, Healthcare, Energy, Environment, Food and Nutrition, Space Technology Telecommunication, Transport, Infrastructure, Remote Sensing, Oil & Mining, Automobiles, Tourism, Health etc.







## Best States

This segment of the Pol Expo is especially dedicated to the best states of India. It's an exclusive platform for the states to showcase their various initiatives, progress, core competencies, investment opportunities and benefits being offered and market themselves for various industry segments. Almost all leading states of India have been regularly participating in Pol Expo namely: Madhya Pradesh, Karnataka, Gujarat, Tamil Nadu, Haryana, Punjab, Chhattisgarh, Odisha, Uttarakhand, Himachal Pradesh, Andhra Pradesh, Assam, Kerala, Rajasthan, West Bengal, Bihar, Maharashtra, Meghalaya etc.

## Best PSU's and R&D Institutes

The PSU's and R&D institutions of India are contributing immensely to the development of India. Pol Expo provides the best platform to India's leading institutions to showcase their innovations, strengths, achievements, initiatives and new ventures in various fields like Agriculture, Horticulture, Industrial Research, Medicine, Biotech, Food & Nutrition, IT Space, Aerospace, Defence, Infrastructure etc.

## Best Corporate of India

Pol Expo is a superb platform that industry can utilize for brand/image building, product/services' promotions, networking with who's who from scientific and academic fraternity as well as top level policy makers (ministers and bureaucrats) of central and state governments, entrepreneurs and innovators, technology transfers, collaborations in R&D, launch of tech driven, innovative products and concepts etc. striking right cord with all its stakeholders. Pride of India Expo offers an excellent opportunity to all the corporate organizations that have made India proud through their products, technologies, research and services.







## Start-ups of India

A start-up company is an entrepreneurial venture typically describing newly emerged, fast-growing business to rapidly develop scalable business model. The emerging start-ups creating stories to give impetus to the growing economy of India. Our Hon'ble Prime Minister, Shri Narendra Modi has also laid emphasis to the importance of Start-ups by launching Startup India Movement. Pol expo gives exposure and opportunity to start-ups to showcase their business, explore partnership opportunities, as well as interact with investors, venture capitalists, business experts, mentors, corporate, support agencies, industry associations, government organizations and more.

## Eduvision

Eduvision is a unique theme pavilion that hosts leading institutions, academic bodies, universities, research and other stakeholders associated with the education sector. Eduvision aims at providing an excellent platform to various organizations operating in the academic space and allows them to showcase their innovative models and offerings. International Universities, Research Institutes, State Level Universities, Colleges, Academicians, Public Sector Organizations and Corporate working in the scientific space, together form this niche pavilion, which also ropes in participants from other related arenas. Overall, an unusual dialogue, a learning session and a novel exchange platform is on the anvil.

## Visitor Profile

ISC Delegates, Nobel Laureates, Policy Makers & Bureaucrats, Scientists, Technocrats & Academicians, Innovators, Entrepreneurs, Top Management and Executives from Industry, Large number of Students and General Public.



# Exhibition Tariff & Sponsorship Opportunities

Space Type	Participation Fees psqm	US \$ psqm
Shell Stand (Min. 9 Sqm)	₹ 13500	400
Raw Space (Min. 36 Sqm)	₹ 13000	350

\*Service Tax @ 15% extra (subject to change as per the prevailing rate)

Each 9 sqm. Shell stand stall is entitled to 1 table, 2 chairs, 3 spotlights, a 5 amps power socket, wall to wall carpet & a waste paper basket.

## Sponsorship Opportunities

Category	Value (₹)
Event Patron	On request
Platinum Sponsor	50, 00,000
Gold Sponsor	35, 00,000
Silver Sponsor	25, 00,000
Lead Conference Sponsor Genesis	15, 00,000
Co-Sponsor Pride of India	10, 00,000
Co-Sponsor Genesis	7, 50,000
Symposium Session Sponsor	2, 50,000
Delegate Kit Sponsor (Genesis)	5, 00,000



## About Tirupati

**Tirupati** is an ancient holy city located in the south-eastern part of Andhra Pradesh. It is known as the abode of God Venkateswara and is located in the Chittoor district of the state. Situated at the foothills of the Eastern Ghats, there are many major cities like Bengaluru, Vijayawada, Hyderabad and Chennai near the city. Tirupati is known for Tirumala Venkateswara Temple, which is one of the most important pilgrim sites in India and draws millions of devotees every year.

The temple is located at the Tirumala Hills, which are one of the oldest rock mountains. Tirupati is considered one of the holiest Hindu pilgrimage sites because of Tirumala Venkateswara Temple, besides other historical temples, and is referred to as the "Spiritual Capital of Andhra Pradesh". Tirupati is also home to many educational institutions and universities. For the year 2012-13, India's Ministry of Tourism named Tirupati as the "Best Heritage City".





## **Hall of Pride**



Hall of Pride – a dedicated pavilion portrays the life journey of eminent personalities who have contributed immensely to the welfare and progress of the country through their landmark achievements in S&T and have made India proud. This pavilion is designed by India's well known artists and stands out as one of the most popular and captivating divisions of all. It is pertinent to mention that every year all the dignitaries to the congress make a point to visit this special pavilion apart from lakhs of students and general public. The vision behind Hall of Pride is to depict the role models and inspire young generation to pursue careers in science and industry and dedicate their service to our beloved nation.

## **Personalities Depicted in Previous HoPs**

90th ISC - 2003, Bangalore

**Dr. Vikram Sarabhai & Shri Dhirubhai Ambani**

91st ISC - 2004, Chandigarh

**Dr. Homi Bhabha & Shri J.R.D. Tata**

92nd ISC - 2005, Ahmedabad

**Dr. Raja Ramanna & Shri Kasturbhai Lalbhai**

93rd ISC - 2006, Hyderabad

**Dr. M. S. Swaminathan & Shri Y.C. Deveshwar**

94th ISC - 2007, Chidambaram

**Pt. Jawaharlal Nehru & Shri G.D. Birla**

96th ISC - 2009, Shillong

**Sir C.V. Raman**

97th ISC - 2010, Thiruvananthapuram

**Prof. Satish Dhawan**

98th ISC - 2011, Chennai

**Shri Thiru Srinivasa Ramanujan & Padmabushan  
Alagappa Chettiar**

99th ISC - 2012, Bhubaneswar

**Shri Acharya Prafulla Chandra Ray**

100th ISC - 2013, Kolkata

**Sir Asutosh Mookerjee & Pt. Jawaharlal Nehru**

102nd ISC - 2015, Mumbai

**Sir Mokshagundam Visvesvaraya**

103rd ISC - 2016, Mysuru

**Dr. A.P.J. Abdul Kalam, Bharat Ratna**



## Genesis SYMPOSIUM

**Genesis** – a one day symposium is organized concurrent to the congress bringing together Captains and Thought Leaders from the industry face-to-face with leading Scientists and Academicians to drive the agenda on contemporary issues. The Genesis Symposium was introduced in the year 2000 with the objective to bridge the gap between science and industry. The Focal Theme of 15th Genesis Symposium **Indian Industry Catalyzing National Development Through “Scitech Innovation”** is aligned with the theme of 104th Indian Science Congress. **Innovation is the buzz word for success and Make In India is the mission for Industry to drive the Nation's Development.**

It is the **new entrepreneur, the Start-up and the SME's** with a novel innovation, who will be a critical player in the socio economic growth plans of the Government of India. And this is reinforced with the Prime Minister's mandate of Make in India. The Genesis Symposium invites the Leading Industries, R&D Institutes and Trade Associations of India to Discover, Nurture and Accelerate this Innovation and Entrepreneurship, through acquisition of novel technologies, vendor development programmes, mentoring, incubation, etc. Participate in the Genesis Symposium to share your views, to know more and to make the right connections to grow your business.



## Past Themes - Genesis

- |   |  |
|---|--|
| ISC 2016 - Realizing the Make in India Mission through Indigenous Development – Role of MSME          | ISC 2007 - Energy and Environment Security Challenge                               |
| ISC 2015 - Role of Science and Technology in realizing the “Make in India” dream into a reality       | ISC 2006 - How Frontier Technologies will Drive Integrated Rural Development       |
| ISC 2013 - India R&D Vision, Innovation and the Opportunities for Industry Growth                     | ISC 2005 - Health Technologies as Fulcrum of Development for the Nation            |
| ISC 2012 - Role of Women in India's march as an Emerging Economy Science/Health/Education/Empowerment | ISC 2004 - Sustained Agrovision : Role of Frontier Science & Technology            |
| ISC 2011 - Innovative PPP models to foster excellence in R&D in Indian Institutes                     | ISC 2003 - Leadership through Technology   |
| ISC 2010 - Are We Ready for Aerospace Industry Revolution in India                                    | ISC 2001 - Food, Nutrition & Environmental Security: Crusade for Global Excellence |
| ISC 2009 - Need for Innovative PPP Models for Promoting Science                                       | ISC 2000 - Why do Indian Genes Reflect Differently in the Silicon Valley?          |





**Vigyan Jyot (VJ)** – Flame of Knowledge, is a novel initiative to popularize science and encourage it as a career amongst the youth thus preparing scientists and innovators of tomorrow. VJ was conceptualized on the lines of Olympic Torch and inspired by the vision 2020 of our former President Dr. A.P.J. Abdul Kalam of making India powerful, prosperous nation by reaching the benefits of Science and Technology to every Indian and enriching the quality of life.

Vigyan Jyot shall be ceremoniously flagged off from India's capital, Delhi for the Host University. Travelling through various educational institutes in urban and rural area, spreading the awareness for Science & Technology, it shall reach Tirupati covering over two thousand kilometers.

VJ shall be received in a grand ceremony in the presence of dignitaries and students at the Sri Venkateswara University, Tirupati. It shall remain lit at the venue of the Pol expo throughout 5 days inspiring lakhs of students to take oath to contribute to the cause of science. All dignitaries and delegates to the ISC, make it a point to visit Vigyan Jyot.



## Past Sponsors and Major Exhibitors

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## Major Exhibitors



Karnataka Higher Education



Dept. of IT, BT and S&T



Ministry of Earth Sciences



## Media Partners



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For more details on participation opportunities, contact:

**104<sup>th</sup> ISC Pol Expo Secretariat**

103-104, 1st Floor, Rohit House, 3 Tolstoy Marg, Connaught Place,  
New Delhi - 110 001, India Tel: +91-11- 43542737 Fax: +91-11-23319388

**Bengaluru:** Vinay Kumar

**Delhi:** Kanika Kumar

**Hyderabad:** YVLN Murthy

**Mumbai:** Denzil D'Souza

**Nagpur:** Manisha Boratkar

**Pune:** Avinash Gulgule

**Chennai & Kochi:** Krishna Kumar

Tel: +91-80-41131912

Tel: +91-11-4354 2737

Tel: +91-40-2786 5983

Tel: +91-22-2438 5007

Tel: +91-712-254 4929

Tel: +91-20-2729 1769

Tel: +91-484-277 7997

Email: vinay.kumar@mmactiv.in

Email: kanika.mmactiv@gmail.com

Email: yvln.murthy@mmactiv.in

Email: denzil.mmactiv@gmail.com

Email: manisha.mmactiv@gmail.com

Email: avinash@mmactiv.in

Email: krishna.kumar@mmactiv.in

Mob: +91-95359 99435

Mob: +91-99107 25933

Mob: +91-92465 77114

Mob: +91-98214 47064

Mob: +91-80077 02022

Mob: +91-98232 76632

Mob: +91-95264 43331

Email : [info@iscexpo.in](mailto:info@iscexpo.in) Website : [www.iscexpo.in](http://www.iscexpo.in)

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