

## **Contribution of IFERP Towards the Advancement in Science & Technology to the society**

### **Introduction**

Society is demanding that companies, both public and private serve a social purpose. To prosper over time, every company must not only deliver financial performance, but also show how it makes a positive contribution to the society. IFERP is on its own way in making positive contribution to the society.

IFERP – Institute for Engineering Research and Publication is one of the largest non-profitable professional associations meant for research development and promotion in the field of Engineering and Technology governed by Technoarete Research And Development Association. IFERP is an Institute, which provides a world class stage to the professionals, academicians and research scholars to share their ideas and publish their research works. IFERP is expected to make innovation happen with research and development that are pursued under the purpose of contribution to the society.

### **Objective of IFERP**

The major objective of IFERP is the career development of faculties and the personality development of the students and the overall development of the technical education and society.

- IFERP provide a world class platform to researchers to share the research findings by organizing International/National Conferences.
- IFERP use the research output of the conference in the class room for the benefits of the students.
- IFERP encourage researchers to identify significant research issues in identified areas, in the field of Science, Engineering, Technology and Management.
- IFERP help dissemination of their work through publications in a journal or in the form of conference proceedings or books.



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## 1) Importance of Scientific Conferences (Knowledge Sharing)

Modern India had a strong focus on science and technology, realizing that it is a key element of economic growth. India is among the top most countries in the world in the field of scientific research. India ranks second in terms of contribution to high-quality scientific research. India is among the world's top 10 nations in the number of scientific publications. Position-wise, it is ranked 17th in the number of citations received and 34th in the number of citations per paper across the field of science and technology (among nations publishing 50,000 or more papers). The country is ranked ninth globally in the number of scientific publications and 12th in the number of patents filed.

In recent years, people's awareness of science and technology has been declining. The assumable reasons are that the latest science and technology are becoming more and more sophisticated and complicated and the fact that people are becoming less aware of science and technology since scientific and technological achievements have come to permeate very deeply among people. Therefore, in order to help the people concretely understand science and technology as well as its achievements, scientific conferences are important. IFERP is organizing these scientific conferences in different parts of the country. In order to share the scientific ideas, research works, knowledge of scientists, research scholars, academicians and professionals from corporate IFERP organize International Conferences in different parts of the country for the welfare and development of the student community and society.

Meanwhile, in the area of life science, which is expected to have a large impact on people's value judgment, it is necessary to examine concurrently the achievements made through scientific and technological progress, such as genetic engineering and cloning, Biotechnology and Nanotechnology. Here the scientific conferences plays a vital role to make reach of the achievements in the life science to the common people what IFERP was doing.

The impact of technological interventions on individual people, communities and the environment must also be carefully considered. To do this, science needs to become more multidisciplinary and its practitioners should continue to promote cooperation and integration between the social and natural sciences by organizing scientific conferences,



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what IFERP is promoting and sharing the knowledge of research professionals and scientists by organizing scientific conferences in different parts of the country.

## 2) Globalizing Innovations

The advancement in the field of science & technology has given birth to globalization. In such a global scenario the role of the universities has to be redefined. Universities are no longer centres of learning, established in isolation from the main stream of social happening. The university will continue to be the key institution, where fundamental research of knowledge has to be nurtured. IFERP is providing a huge opportunity to these universities/Institution to collaborate for conducting conferences, publishing research works in our high impact factor journals, conducting faculty development programmes etc. With our global network of professionals IFERP organize the conferences in different parts of our country and all over the world.

Developments in science and technology are fundamentally altering the way people live, connect, communicate and transact, with profound effects on economic development. Science and technology are key drivers to development, because technological and scientific revolutions underpin economic advances, improvements in health systems, education and infrastructure.

The technological revolutions of the 21st century are emerging from entirely new sectors, based on Micro-processors, Tele-communications, Optical Communication, Bio-technology and Nano-technology. Products are transforming business practices across the economy, as well as the lives of all who have access to their effects. The most remarkable breakthroughs will come from the interaction of insights and applications arising when these technologies converge.

IFERP make reach the new innovations to all parts of the world by organizing International conferences, Research Talks, Workshops, Faculty Development Programme etc. Through its global professional network IFERP make reach the new innovations in nook and corners of our nation and world.

## 3) Platform to Academicians

Scientific Conference aims to bring together and provide a platform to Researchers, Engineers, Scientists and Academicians as well as Industrial Professionals from all over



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the globe to present, share and exchange their research results and developmental activities about all parts of earth sciences and engineering. Conferences are the main platform to the academicians to share their knowledge and ideas to make reach of common people in the nook and corners of the world.

IFERP is providing a world class stage by organizing International conferences which aims at providing a platform to students, scientists, academicians, researchers, engineers and industrial experts to share their knowledge and ideas.

#### 4) Contributing to Nation

Since our establishment IFERP is committed towards its tag line to connect researchers and innovators across the world through sharing of knowledge and mutual cooperation for incubation. To streamline our journey we collaborated with renowned institutes, colleges ,universities and research centers to serve them through our vibrant network of wizards of science.

IFERP's contributions to our nation,

- **185** International conferences were organized in India
- **155** International conferences were organized all over the world other than India
- **32** International collaborations & MoUs were signed
- **10,000+** Scientific presentation
- **8,000+** publications
- **18** Awards & appraisal
- **14,000** Professional memberships
- **72** student chapter establishment
- **40** Institutional chapter establishment
- **100+** Guest lectures & Keynotes
- **25,000+** Delegates attendance

IFERP organized more than 200+ international conferences in different parts of our country. In order to make reach new innovations to the nook and corner of our nation IFERP is organizing International conferences, workshops, chapters where scientists, academicians, research scholars share their knowledge and ideas. IFERP is providing a



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huge opportunity to the institutions to collaborate for organizing conferences, chapters, workshops, publications etc.

International Conferences are organized by IFERP in remote areas for the welfare of the student community and the overall development of the society. Even though there are many funding agencies such as SERB – Science and Engineering Research Board, UGC, CSIR, AICTE, DRDO, DAE difficulties are there in approaching and getting support from them. SERB provided a R&D budget of Rs.800 crore for 10,000 researchers in the year 2017-2018. Since IFERP was also a non-profitable organization, IFERP was promoting the scientific activities and innovations in nook and corners of our nation and even in remote areas by organizing international conference.

### **List of some of the conference organized by IFERP**

- International Conference on Internet of Things and Applications for Smart City (ICIOTAS-16)
- International Conference On Recent Trends In Automation (ICRTA-2018)
- International Conference on Recent Advances in Civil and Mechanical Engineering Practices
- International Conference on Recent advancement in Computer Science and Communication Technology (ICRCST-18)
- 1st International Conference on Research Challenges in Engineering and Technology (ICRCET-16)
- 2nd International Conference on Applied Science Engineering and Technology (ICASET-16)
- International Conference On Emerging Trends On Engineering Science, Technology And Management (ICETESTM-18)
- International Conference On Internet Of Things For Future Smart Cities (ICIOTSC-17)
- International Conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-17)



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- 2nd International Conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-18)
- International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM-17)
- International Conference on Research Advancements in Applied Engineering Sciences, Computer and Communication Technologies (ICRAAESCCT – 2018)
- International Conference on Computational Science & its Applications (ICCSA-2018)
- 4th International Conference on Applied Science Engineering and Technology (ICASET-18)
- International conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR - 18)
- International Conference on Recent Advancements in Information Technology, Sciences and Engineering (ICRAITSE-17)
- International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR -2018)
- International Conference on Soft Computing Applications To Power Systems & Power Electronics (ICPSPE-17)
- International Conference on Big Data and Data Analytics (ICBDDA-17)
- International Conference on Innovative Ideas in Engineering and Technology (ICIET - 2018)
- 2nd International Conference on Advances in Computing Applications (ICACA - 2018)
- International Conference on Recent Trends in Engineering & Technology (ICRTET-2018)
- International Conference on Advances in Mechanical Engineering Sciences (ICAMES-17)
- 3rd International Conference on Applied Science Engineering and Technology (ICASET-17)
- 5th International Conference on Applied Science Engineering and Technology (ICASET-18)



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# Institute For Engineering Research & Publication

Unit of Technoarete Research and Development Association

- 4th International Conference On Chip, Circuitry, Current, Coding, Combustion & Composites (i7C-2017)
- International Conference on Chip,Circuitry,Current,Coding,Combustion & Composites(i7C-2016)
- 6th International Conference on Chip, Circuitry, Current, Coding, Combustion & Composites i7C-2018
- International Conference on Emerging Technological Innovations in Mechanical Engineering (ICETIME- 2017)
- International Conference on Current Research on Embedded, Information and Computer Technologies (ICEICT - 2017)
- International Conference on Wearable Technologies (ICOWT-17)
- International Conference on Signal Processing, Communication and Computational Research(ICSPCCR-16)
- International Conference on Innovative Realms in Civil Engineering (IC-IRICE-18)
- International Conference on Emerging Technology in Structural Engineering (IC-ETSE-2017)
- International Conference on Advanced Power Electronics ICAPE-18
- International Conference on Technological Innovations in Engineering and Management (ICTIEM -2018)
- International Conference on Advanced Recent trends in Computing & Information Technology (ICARCIT -2018)
- 2nd International Conference On Applied Sciences, Engineering, Technology and Management (ICASETM- 2018)
- International Conference on Innovations and Development for Future Smart Cities (ICIDFSC-17)
- 2nd International Conference on Recent Challenges in Engineering and Technology (ICRCET-17)
- 2nd International Conference on Internet of Things and Applications for Smart City (ICIOTAS-2017)
- International Conference on Ubiquitous Computing 2017 (ICUC-17)



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- International Conference on Technological Innovations in Engineering (ICTIE-2016)
- 2nd International Conference On Applied Sciences, Engineering, Technology and Management (ICASETM- 2018)
- International Conference on Advances in Computing Applications (ICACA-18)
- International Conference on Recent Advances in Biosciences and Bioengineering (ICRABB-2018)
- International Conference on Startup Ventures: Technology Developments and Future Strategies (SV-TDFS)

## List of Institutions in India Collaborated with IFERP :-

### In Andhra Pradesh

- Annam Acharya Institute of Technology and Sciences, Tirupati, Andhra Pradesh.
- Vasireddy Venkatadri Institute of Technology (VVIT), Guntur, Andhra Pradesh.
- Dhanekula Institute of Engineering & Technology, Vijayawada, Andhra Pradesh.
- Siddharth Institute of Engineering & Technology, Puttur, Andhra Pradesh.
- Swetha Institute of Technology and Science, Tirupati, Andhra Pradesh.
- Aditya Institute of Technology and Management (AITAM), Srikakulam, Andhra Pradesh.
- Geethanjali Institute of Science and Technology, Nellore, Andhra Pradesh.
- Sri Venkateswara University College of Engineering, Tirupati, Andhra Pradesh.
- G.Pulla Reddy Engineering College, Kurnool, Andhra Pradesh.
- Rise Krishna Sai Prakasam Group of Institutions, Ongole, Andhra Pradesh.



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## In Telengana

- Balaji Institute of Technology & Sciences, Warangal, Telangana.
- DRK institute of science and Technology, Bowrampet, Hyderabad, Telangana.
- BV Raju Institute of Technology, Vishnupur, Narsapur, Telangana.

## In Tamil Nadu

- Sri.S.Ramasamy Naidu Memorial College, Sattur, Tamil Nadu.
- Sengunthar College of Engineering, Thiruchengode, Tamil Nadu.
- A.P.C. Mahalaxmi College For Women, Thoothukudi, Tamil Nadu.
- V.O.Chidambaram College, Thoothukudi, Tamil Nadu.
- Sri.Chandrasekharendra Saraswathi Viswa Mahavidyalaya (Shankara University), Kanchipuram, Tamil Nadu.

## In Karnataka

- Rao Bahadur Y Mahabaleswarappa Engineering College, Cantonment Ballari, Karnataka.
- Vemana Institute of Technology, Bengaluru, Karnataka.
- P.E.S College of Engineering, Mandya, Karnataka.
- Sri Sairam College of Engineering, Anekal, Bengaluru, Karnataka.
- RR Institute of Technology, Bengaluru, Karnataka.
- Dayananda Sagar university, School of Engineering, Bengaluru, Karnataka.
- Vidya Vikas Institute of Engineering & Technology (VVIET), Mysore, Karnataka.



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## In Maharashtra

- KDK College of Engineering, Nagpur, Maharashtra
- Deogiri Institute of Engineering and Management Studies, Aurangabad, Maharashtra.
- G H Rasoni College of Engineering & Management, Wagholi, Pune , Maharashtra.
- Shri Chhatrapati Shivajiraje College of Engineering, Pune, Maharashtra.
- Priyadarshini Institute of Engineering & Technology, Nagpur, Maharashtra.
- Sharad Institute of Technology, College of Engineering, Kolhapur, Maharashtra.
- MIT Art, Design and Technology University, Pune, Maharashtra.
- Sinhgad college of Engineering, Pune, Maharashtra.
- MAEER'S Maharashtra Institute of Technology (MIT), Pune, Maharashtra.
- Rajgad Institute of Management Research & Development, Pune, Maharashtra.

## In Uttarakhand

- National Institute of Technology, Uttarakhand.

## In Gujarat

- Parul University, Vadodara, Gujarat.

## In Rajasthan

- BK Birla Institute of Engineering & Technology, Pilani, Rajasthan
- Manipal University, Rajasthan



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**Appraisal by NitiAyog, Government of India.**

IFERP was appraised by Dr.V.K.Saraswat, Member, NitiAyog for organizing “International Conference on Start-Up Ventures: Technological Development & Future Strategies (*SV-TDFS* 2018)” conference at Manipal University, Jaipur on 08<sup>th</sup> October 2018.

**Best Scientific Conference Production house by ABP News**

Technoarete Research & Development association & IFERP were awarded as “Best Scientific Conference Production House” at prestigious Leadership award hosted by ABP news at Taj Hotel ,Mumbai on 22<sup>nd</sup> November of this year.

**5) Identifying Innovations & Equations at Grassroots Level**

Grassroots innovations are the innovative activities of improving products, techniques and crafts in a random and extensive way by the grassroots people who have grasped the corresponding techniques and skills. Wind energy, community supported agriculture, social technologies, car clubs, free software, open hardware, repair cafes, participatory design, agro-ecology, eco-housing, recycling, shared machine shops, rainwater harvesting, complementary currencies, credit unions, socially useful production, seed swapping, community energy cooperatives, garden sharing, community forestry, green spaces, and many other ideas and practices for sustainable development began in innovative grassroots activity.

The barriers in the course of sustainable growth and development like environmental degradation, climate change, energy and resource scarcity, health, and ageing population can be overthrown through the successful assistance of social innovations. Bioleagues one of the associates of IFERP organizing conferences on Bio Diversity & Evolution, Renewable Energy & Emerging Technologies, Water Security, Climate Change promoting the sustainable growth and development in remote areas.

**6) Student Chapters & Student Forums**

IFERP established many student chapters in collaboration with universities for the personality development of the students in such a way making our academic services reach them with convenience and palatability.

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- Priyadarshini Institute of Engineering & Technology
- BK Birla Institute of Engineering & Technology

## **Zonal Chapters :**

IFERP established its zonal chapters in Bengaluru, Tirupati, Chennai, Vijayawada, Hyderabad, Kolhapur, Nagpur, Pune, Rajasthan, Kerala, Delhi & Goa.

## **7) Opportunities to Minorities**

IFERP provide a huge opportunity to minority students by providing scholarships. IFERP will grant fund for the minority research scholars for completing their research works.

## **8) Encouraging Differently abled**

IFERP encourages and motivates the differently-abled by creating awareness in the higher education system and provide necessary guidance and counseling. IFERP create awareness about the needs of differently-abled persons, and other general issues concerning their learning. IFERP assist differently-abled graduates to gain successful employment in the public as well as private sectors. IFERP assist them in getting appropriate employment when desired by them after their studies.

## **9) Multidisciplinary Research Opportunities**

IFERP was providing huge opportunities in multidisciplinary research areas. Bioleagues, IIERD, IRAJ, ISER, NIER, ScienceFed are some of the associates of IFERP. IFERP organizes conferences in all disciplines of engineering including Artificial Intelligence, Biomedical Engineering, Biotechnology, Computing, Electrical & Electronics, Image processing, Information Technology, Biotechnology etc and provide support for the research scholars. Bioleagues deals with medical and life sciences. IIERD, IRAJ, ISER, NIER associates of IFERP provide a huge opportunity in multidisciplinary research



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areas. They deals with the areas including Dentistry, Oncology, Palliative care, Sustainable Development, Arts & science, Management, Environment, Waste Management, Water, Climate change etc.

## 10) Oversea Researchers to share their knowledge

IFERP is contributing a huge opportunities to the oversea researchers to share their knowledge and ideas by providing a world class stage by organizing world conferences in nook and corners of the world. IFERP have a global professional network from the countries including Malayasia, Singapore, UAE, Philipphines, Thailand, Indonesia, Nigeria, Hong kong, Saudi Arabia, Nepal, Kenya, Germany, Papua New Guinea, Sri Lanka, Ghana, China. With our global professional networking IFERP left its footprints at many oversea universities and research centers. With our global professional networking we are organizing conferences in the remote areas of our nation to improve the personality development of the student community and the society.

## 11) Environment ( Go Green Summit)

Go Green Summit was organized by Bioleagues an associate of IFERP with the theme “ Let’s go for a green Planet” that aims at bringing the advancement in the field of Green Energy, Renewable Energy, Environmental Engineering and Green Technologies and also lays a special emphasis at educating and updating environmental researcher, students and industry professionals with the latest knowledge of technologies that can be used to counter the economic under evaluation ecologist may face in their experiments. The Conference brings together experts, researchers, scholars and students from all areas of Basic science, Earth and Planetary sciences, Ecology, Biodiversity, Agriculture, Environmental Engineering and toxicology, Bioremediation and Pollution control

## 12) Fight against Cancer

The World Summit on Cancer Science and Therapy was organized by Bioleagues an associate of IFERP to fight against cancer. It was an extraordinary event designed for International medical health professionals and oncologists to facilitate the dissemination and application of research findings related to Cancer. The conference gave a platform to the participants from all leading universities, clinical research institutions and diagnostic companies to share their research experiences on all aspects of this rapidly

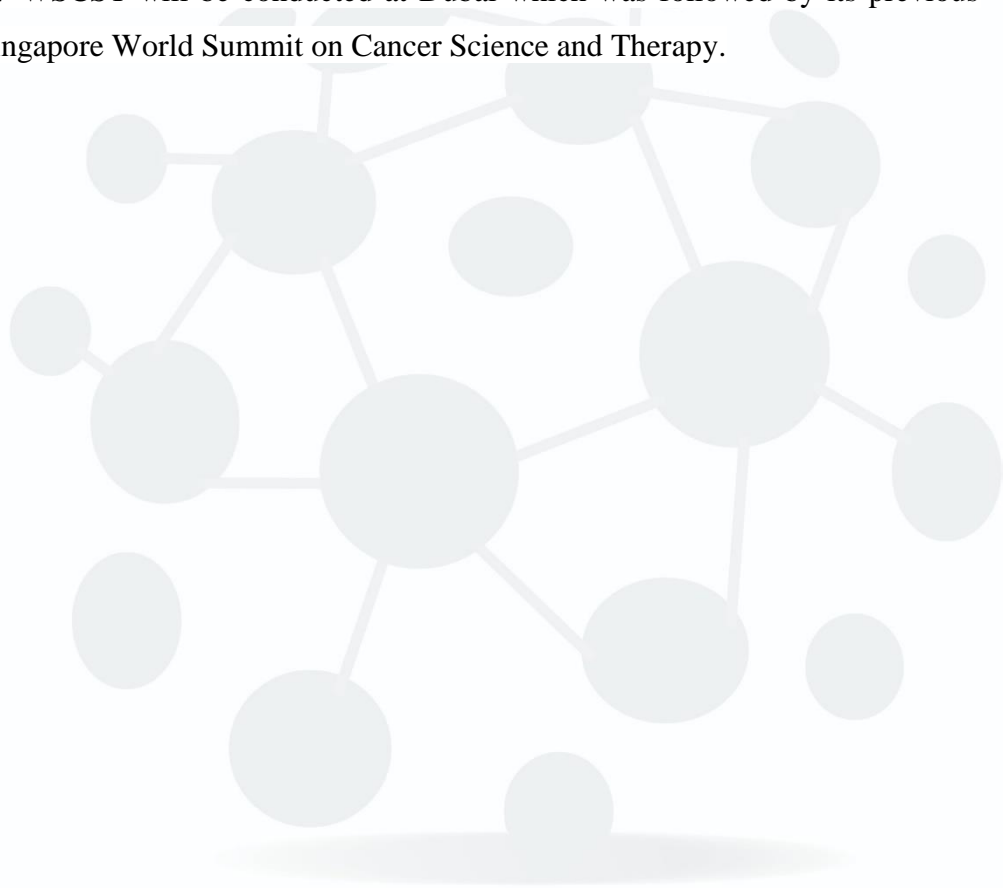
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expanding field and thereby, providing a showcase of the latest techniques. WSCST provides an opportunistic environment and vibrant podium through these auspicious events to amplify these steps and meet the highest demand ever, by reflexive and cerebretive connections. WSCST Cancer Conference is conducted every year at leading cities of world like Singapore, Honk Kong, Malaysia, Paris and London . At the middle of year 2017 WSCST will be conducted at Dubai which was followed by its previous chapter at Singapore World Summit on Cancer Science and Therapy.



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