



BRICS Young Scientist Forum, Alumni Conclave 2018
Bangalore, 2-4 December 2018

Alumni Visit to Jyothy Institute of Technology



BRICS YSF Alumni Conclave

December 2018



International Strategic and Security Studies Programme (ISSSP)
National Institute of Advanced Studies (NIAS)



A Report of the Outreach Activity of the BRICS Young Scientists Forum's Alumni Meet

On the 4th of December 2018, a 28 member delegation of the BRICS Young Scientists Alumni forum visited the Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Jyothy Institute of Technology (JIT) as part of their outreach activity. The visit was coordinated by Prof. Suba Chandran of NIAS and Dr. M. S. Santosh (Associate Professor at CIIRC-JIT) who is also a BRICS Young Scientist Alumnus and was part of the 2nd BRICS Young Scientists Conclave held at Hongzhou, China during 9-16th July 2017. The delegation reached the institute at 9.30 AM and was soon assembled in a seminar hall. The Director of CIIRC-JIT welcomed the delegates and presented a brief overview of the centre and its activities. This was followed by lab tour and short interactions with faculty and researchers of each and every lab. After the lab tour, the delegates were served with tea and snacks. The delegates appreciated the efforts taken to build such a multidisciplinary centre and the activities. One of the delegates Dr. Rishyamjit Kaur of

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CSIR-CSIO, Chandigarh expressed her gratitude and highlighted the most important takeaway from the centre i.e. translation of research work into product development and commercialization and finally, thanked the Director and the other faculty members for hosting them.

The “**Centre for Incubation, Innovation, Research and Consultancy (CIIRC[®])** a section 8 non-profit entity spread over 50,000 sq ft is an initiative of **Sri Sringeri Sharada Peetham, Sringeri** and has emerged with a promise of ushering a new philosophy by bringing for the first time on the same platform the diverse components of science, engineering, business orientation and skill development with emphasis on innovation, incubation and research leading to successful entrepreneurship. The understanding of all these three aspects thus forms the core of academic & research erudition at CIIRC and market research alongside business planning forms the basis of the enterprise component. CIIRC being a multidisciplinary research centre aims to bring together complementary streams of activities for the benefit of society.

The domains envisaged at CIIRC are **Water, Health, Energy, Environment, Agriculture, Food, and Homeland Security** addressing societal and environmental needs. Towards this, a platonic relationship is being built up with a number of companies and institutions

within the country and outside India. To support the same, research labs have been established in the vistas of:

Affordable Medical Devices & Sensors

Ancient Indian Sciences

Autonomous Systems

Biocomposites & Biopolymers

Cell and Molecular Biology

Computational Engineering

Energy

Environment

Food Technology

Nanobiotechnology

Nanoscience & Engineering

Plant & Microbial Technology

Remote Sensing & VLSI

Sophisticated Instrument Facility

Surfaces & Interfaces

Thermal Engineering

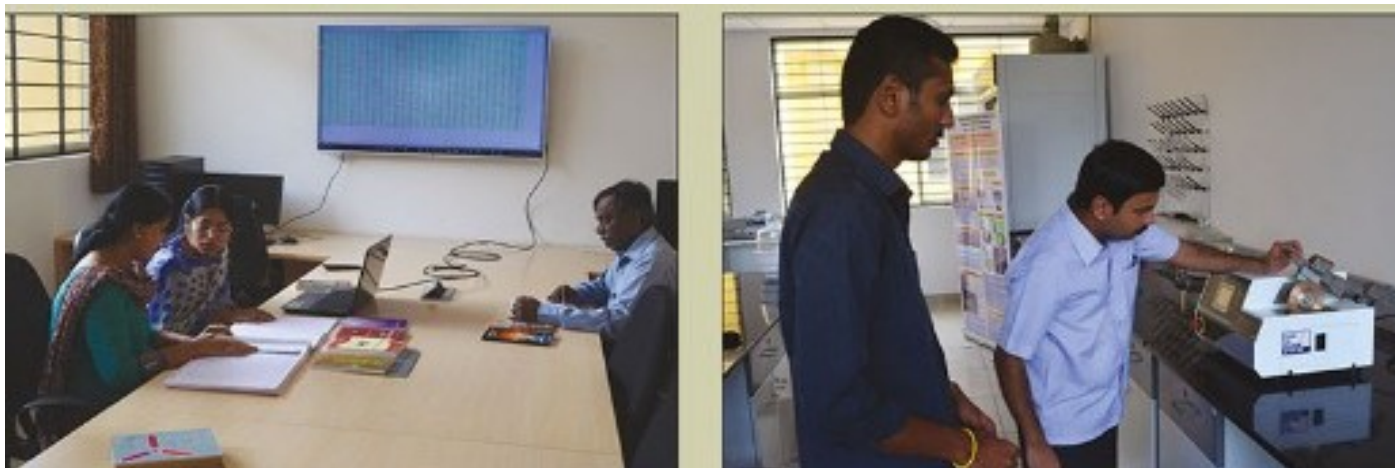
Tribology

Water

The centre is equipped with sophisticated instruments such as SEM, XRD, HPLC, DSC, TGA, FT-IR, Lyophiliser, GC, Electrochemical Workstations, PCR, BSC –L2, ELISA and others.

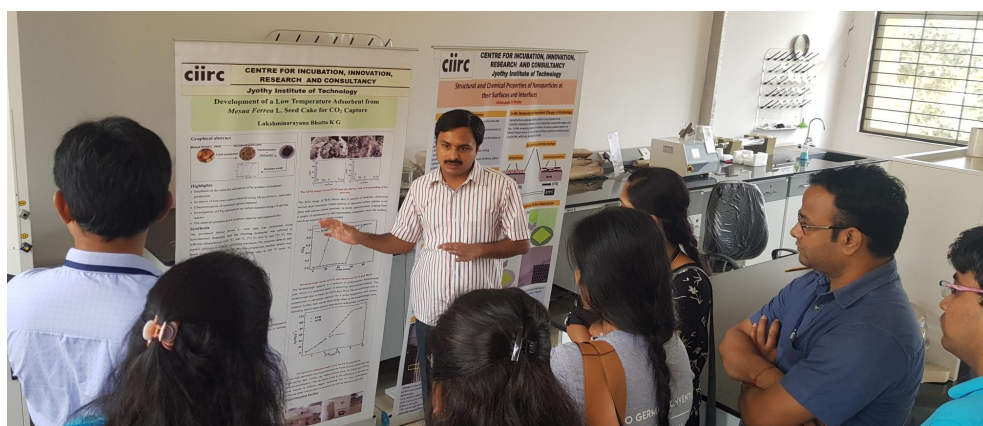
A qualified group of 45 faculty-researchers consisting of 31 doctorates and 14 Master's from premier institutes has been set up to support the centre considering that the coming decade shall be driven by knowledge based economies. Research at CIIRC is wide





ranging with a blend of scientists and engineers contributing towards the development of novel technologies that are efficient, innovative and sustainable for civil, military and societal applications. Faculty-Researchers at CIIRC have the experience of successfully executing several funded projects in the past espoused by leading agencies like **DST, DBT, MNRE, DOS, DAE, AR & DB, NRB, DRDO, PSU, KSCST, VGST** and others supported by numerous patent filings.

Currently there are several on-going projects funded by DST, DRDO, DOS, UGC-DAE, DBT, DIC, BIRAC, VGST, MOES, NCAOR, KCTU-DIC and a few more in the pipeline are being positively considered for funding. The Faculty-Researchers have collaborations and ties with Institutions and Organizations at the Individual and Institutional level both within and outside the country. Identifying the capability of CIIRC, ISRO has set up the IRNSS Satellite Receiving Station at the campus. The members at the centre have been globally recognized with several laurels such as Commonwealth, Hungarian, DBT, Ramalin-



gaswamy Fellowship, Honeywell Silver Plaque, Most Innovative Enterprise, etc. Having said these aspects, it is clearly evident that CIIRC-JIT, as an institute is reaching a tall order in R&D and aims to capture the attention of the community through its strategically innovative and technically sound products that have wide relevance to the humankind. CIIRC faculty have 1000 plus (lifetime) Scopus/Thomson Reuters indexed publications to their credit with an average impact factor of 2.5, citation index of close to 10000, average h-index of 5, average i10 of 8.13, numerous books and book chapters by major publishing houses alongside a multitude of products to their credit. In addition, CIIRC-JIT is also one among the few Institutions across India to receive the most prestigious funding from “NITI Aayog” to set up the “**Atal Incubation Centre**” with a vision to nurture innovative start-ups in their pursuit to become scalable and sustainable enterprises. Further, CIIRC-JIT also is the first of its kind in the state of Karnataka to receive a grant from “Department of Industries & Commerce” to set up an exclusive “**Women Technology Incubator**” to foster innovative yet technology driven ideas while empowering Women.

The report was prepared by M S Santosh, an alumnus of BRICS -YSF.

