



KUMARAGURU
college of technology
character is life

CROSSWINDS

KCT International Partnerships Newsletter

July 2016



Mr. Shankar Vanavarayar, Joint Correspondent of KCT signing a MoU with Dr. Helmut Dinger, MD, RWTH International Academy

We find ways to engage globally with authentic learning experiences that will meaningfully connect us with the world.

Read all about the KCT's International and Transnational engagements and gain global insights.

New International Partner in Germany!

KCT and EIINK signs a MoU with RWTH Aachen University

KCT and Excellence Initiatives–International Network of Knowledge (EIINK) have signed a MoU with RWTH Aachen University's International Academy represented by Mr. Shankar Vanavarayar and Dr. Helmut Dinger on May 23, 2016. The purpose of the memorandum is to build the relations

between two partners in emphasizing the academic value of Scientific Interactions. Both have agreed to initiate a visiting program for students to attend the International Summer Schools in Engineering of RWTH Aachen University. The student exchange and credit transfers have been detailed in the MoU.



RWTH Aachen University of one of the Germany's elite universities and one of the most highly recognized technical universities in Europe. With 260 institutes within nine faculties, it is one of the Europe's leading institutions for science and engineering research. With innumerable industrial cooperation partners, the education that students receive at RWTH Aachen is firmly rooted in real-world applications. As a result, RWTH graduates are highly sought after by business and industry and one on five board members of German corporations is an alumnus of RWTH Aachen University.

RWTH Aachen has been ranked among the top 50 universities in the world in several subjects In the QS University Rankings 2015. The University was particularly successful in mechanical engineering, which was ranked 12th worldwide, the highest placement achieved by a German university in the ranking. <https://www.academy.rwth-aachen.de/en/>

KCTians fly across the globe this summer!

KCTians have taken the opportunity to build their global competencies through participating in the Summer schools around the globe.

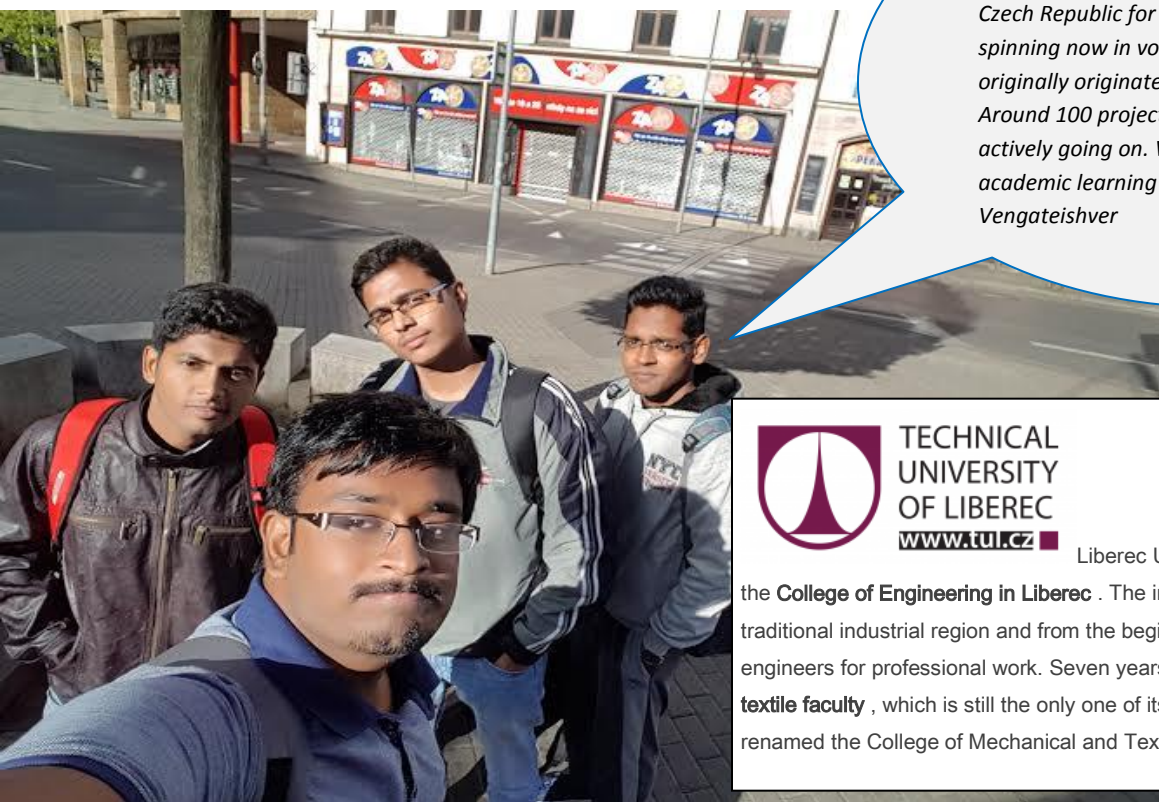
Textile Department Students in Czech Republic

Four KCTians from the department of Textiles visited **Technical University of Liberec**, Czech Republic from May 16 to June 15, 2016 through the MoU between the Institutions.



Ravichandran Rani Vengateishver & Thangamuniyandi Vigneshkarthikeyan did a literature study of 3D Knitted Structure of Spacer Fabrics. Krishnaswamy Abishek & Chinnannan Gokul carried out a literature study of Thermo-Physiological Properties of 3D Spacer Fabrics.

We had the opportunity to attend the Summer Internship at Technical University of Liberec, Czech Republic for 33 days. The Open End (OE) spinning now in vogue in our textile industries originally originated solely from this campus. Around 100 projects with enough funding are actively going on. We had a wonderful time of academic learning and cultural immersion - Vengateishver



**TECHNICAL
UNIVERSITY
OF LIBEREC**
www.tul.cz

Liberec University was founded in 1953 as the **College of Engineering in Liberec**. The institution was founded by pioneers in the traditional industrial region and from the beginning it was an effort to educate qualified engineers for professional work. Seven years later, the **Faculty of Engineering added textile faculty**, which is still the only one of its kind in Europe and the school was renamed the College of Mechanical and Textile Engineering in Liberec.



Biotechnology Students in Israel

Sanjana and Gayathri Final Year students of the Undergraduate Program of Biotechnology are in Tel Aviv

University's 2016 Summer Research Program in Biological and Neuro Sciences https://international.tau.ac.il/summer_research_sciences at Tel Aviv University International. TAU ranks 18th in the world, and is the Israel's largest and most comprehensive research university, with 9 faculties and 125 schools and departments. It has 130 research institutes, 400 labs and carries out 3,500 projects annually.

This is a **2 months research program** from June 16 to August 11, 2016. Sanjana is working on *Employing A Novel Genetic Selection System for Ubiquitylation to Characterize Ube3b- An E3 Ligase Involved in Autism* in the laboratory of Dr. Gali Prag.

Gayathri is working on *Regulation of pancreas composition by Hedgehog-dependent mesenchymal cues* in the laboratory of Dr. Limor Landsman

We wish them the very best and a great learning experience.



The research at TAU is top notch in all disciplines. We got the opportunity to interact with students from other countries on their research interests. The work culture is very different from India and what we gain is all based on our interests without any pressure. The friendly environment in the labs further helped us get accommodated to the new place very quickly and get started with our work. The social trips organized by the university help us explore the country and get to know their culture better. The life in dorms and in Tel Aviv city is very exciting. Travelling abroad helps us in learning to manage expenses, to be more independent and discovering ourselves. Two weeks here and we can say TAU has given us the best and we hope to contribute back to the research in our labs – *Sanjana & Gayathri*

Students of Mechanical Engineering in Germany!



Mithun Raja Subramanian, Saainath Ravichandran, Sangeeth Eswaran, Vinay Sidharth Vignesh from Final year Undergraduate Program in Mechanical Engineering are in **RWTH Aachen University**, Germany from June 20 - July 4, 2016 for the **Automotive and Mobility Studies** Summer School.

They will receive an introduction to modern automotive technologies, concepts of mobility, and their grid integration within traffic and city planning.

The programme offers an overview of alternatives to combustion engines, with a look at concepts of future vehicle power trains, including structures of alternative power trains. It also covers alternative fuels, such as alcohol, natural gas and hydrogen, as well as their properties and production. Other topics

include fuel cells, electric drives, energy carriers and storage and torque and energy converters.

The RWTH International Academy works closely together with the IKA, the Institute for Automotive Engineering, the ISB, the Institute of Urban Engineering and Urban Transport, and the ISEA, the Institute for Power Electronics and Electrical Drives to offer a perfect mix of technical study and cultural experience.



Civil Engineering Student in UK

Darun Kumar Maheswareen of Final Year of the Undergraduate Program of Civil Engineering is in **University of Leeds**, UK from July 2 – 31, 2016 for Leeds International Summer program (LISS). Taking advantage of the vibrant, student friendly city of Leeds, and the rich history, culture and natural beauty of the area, the summer school combines world-class tuition with local knowledge, academic-related field trips, and a wide variety of social



activities. Through experiential learning and field trips, you will spend lots of time outside of the classroom, enjoying hands-on learning that will give you insights into British culture, history and society. The summer school has a busy social programme to help you make the most of your time in Leeds as well as further afield. Darun will be undergoing two Modules. Module 1: Business and Cultural Awareness – Bridging the Gap. Module 2: Exploring the Law: Crime, Contracts and Legal Skills.

Best Wishes Darun!



UNIVERSITY OF LEEDS

The University, established in 1904, is one of the largest higher education institutions in the UK. UoL is a world top 100 university and renowned globally for the quality of our teaching and research. The University continues to appear in the top 100 of the QS world rankings in 2015 – one of only 19 UK universities. UoL is a member of the Russell Group of research-intensive universities. It is in the top 10 university for research power in the UK according to the 2014 Research Excellence Framework **KCT has signed a MoU with University of Leeds for Academic and research collaborations.**



KCT reaches out to Top Universities for Collaborations!

Germany, being a country of Engineering & Technology, is a high potential country for a Engineering Institution like KCT.

Mr. Shankar Vanavarayar, Joint Correspondent and Aravinth Palanisamy, KCT Global Partnerships Manager, Germany visited **FH Aachen university of Applied sciences** on May 25, 2016. The FH Aachen - Aachen University of Applied Sciences is one of the biggest Fachhochschulen in Germany FH Aachen ranks as the first best among the universities of Applied Sciences in Germany in the fields of Electrical and Mechanical engineering. The FH Aachen maintains partnerships with 170 universities around the world. Discussions on Robotics and Robotics Operating System were held and FH Aachen was keen on collaborating with KCT for ROS summer schools, curriculum design and setting up a lab at KCT.



Mr. Shankar Vanavarayar, Joint Correspondent of KCT visited the top league universities in the UK and Germany to build partnerships with KCT.

He along with Aravinth Palanisamy, KCT Global Partnerships Manager, Germany visited **Hochschule Niederrhein University of Applied Sciences, Germany** and discussions were held to study the areas of collaborations. The areas of collaborations that being explored are Joint Programs - Degree Program - Textile & Clothing Management (B.Sc) and Masters Program - Management of Textile Trade and Technology (M.Sc.), Hosting Interns/ students from Hochschule Niederrhein at KCT , Research cooperation, Student exchange from KCT to Niederrhein, Thesis opportunities in Niederrhein for KCT Students, Short-term courses/ Summer Schools at Hochschule Niederrhein and Joint conferences and events



On June 14, 2016 Mr. Shankar Vanavarayar and Manu Sasidharan, KCT Global Partnerships Manager, UK held discussions with Paul Adams, Head of Education, **Virgin Startup, UK** launched by Sir Richard Branson in late 2013 with a mission to promote entrepreneurship in the UK and to empower people to follow their dreams by turning ideas into businesses through access to advice, mentoring and funding. Discussions included Executive Programs, Courses for Family Business and SMEs and Starup Launch Pad.



Partnership with University of Birmingham was actively sought by KCT, which was well reciprocated by UoB. The **University of Birmingham** is a public research university and is a founding member of both the Russell Group of British research universities and the international network of research universities. The university was ranked 15th in the UK and 76th in the world in the QS World University Rankings for 2015-16. The student



**UNIVERSITY OF
BIRMINGHAM**

population includes 20,100 undergraduate and 14,060 postgraduate students, which is the fourth largest in the UK. The University has always been at the forefront of research and eight of their alumni and staff have been recognized with Nobel Prizes

Discussions were held with **University of Birmingham** on June 13, 2016 at UoB, UK by Mr. Shankar Vanavarayar and Mr. Manu Sasidharan, KCT Global partnerships Manager, UK. UoB was represented by Professor Miles Tight, Prof of School of Civil Engineering; Prof Francis Greene, Birmingham Business School, the International Office, Business School, Department of Civil Engineering and Career Network. The deliberations included cooperation between the Institutions for joint programs in the Business School, Civil Engineering, Entrepreneurship and start-up programs and hosting UoB students in KCT through Career Networks.



Association with University of Southampton was explored. **University of Southampton**, ranked among the top 1% of universities worldwide. It is ranked 81st in the world by QS World University Rankings 2015/1 and 110th in the world by THE World University Rankings 2015-2016. It is ranked in the top 20 by the three main UK university league tables and is the founding member of the prestigious Russell Group.

Deliberations were held with University of Southampton on June 16, 2017 by Mr. Shankar Vanavarayar along with Manu Sasidharan, KCT Global Partnerships Manager, UK and Arvinth Palanisamy, KCT Global Partnerships manager, Germany. Several great opportunities for collaboration opened up for the Business School, UG Engineering programs, Entrepreneurship and Institutional mentoring. Representing University of Southampton, Dr. Mark Spearing, Vice Chancellor; Prof. Ana Barney, Associate Dean of Education; Keith Johnston, Director of International Relations; Donna Haynes Regional Director; Prof. Martin Broad, Head of Southampton Business School; Ms. Sarah Travis, Faculty Director (Internationalisation) and representatives from the International office were present



Mr. Shankar Vanavarayar along with Manu Sasidharan, KCT Global Partnerships Manager, UK and Arvinth Palanisamy held discussions with **University of Loughborough** on June 17, 2016. Loughborough University has been ranked 4th in the 2017 Guardian University League Table. Loughborough ranks particularly highly for engineering and technology and is noted for its sports-related courses and achievements. The university recently won its seventh Queen's Anniversary Prize, awarded for the relevance of its research. The possible associations were in research, academics and conduct of International Events



Global Alumni Meet

Global Alumni Meet was held at San Francisco, USA on June 11, 2016. We had Aditya balasubramanian from Genentech, Lakshmi Lakshmanan from Novigo; Vinodh Stanley from Stanford University Medical Center; Dhivya, Homemaker; Arun karthik from EBAY; Vikram Jayaram from Cisco ; Murigesh from Oracle; and Pradap Nirmal and Apple Inc. Thank you for joining the alumni meet with Mr. Shankar Vanavarayar, Joint Correspondent of KCT



Opportunities for International Funding!

Apply now!

Fulbright Fellowships for Indian Citizens: 2017-2018



USIEF offers a wide range of exchange opportunities to Indian citizens in three main categories:

- Student Awards to pursue a master's degree or attend a U.S. university as a visiting student researcher,
- Scholars and Teacher Awards for academics, teachers and professionals to teach or conduct research in the U.S., and
- Professional Development Programs for leadership and skill development.

In addition to providing opportunities for personal, academic and professional growth, Fulbright-Nehru and other exchanges promote mutual understanding between the people of the U.S. and India.

More Info: <http://www.usief.org.in/Fellowships-for-Indian-Citizens.aspx>

Newton Bhabha Fund Researcher Links Workshop Grants



The call for [Researcher Link Workshop Grants](#) under **Newton Bhabha Fund** for 2016 is now open **until 27 June 2016**. The objective of the scheme is to bring together early-career researchers from India and the UK to build international connections which can support them in improving the quality of their research. The workshops are jointly funded by British Council and Royal Society of Chemistry in following priority areas:

Priority Areas

- Human Health – e.g. antimicrobial resistance, neglected diseases, medicinal chemistry, bio-materials.
- Energy – e.g. sustainable fuels, chemicals and energy storage.
- Environment and Sustainability – e.g. new materials, nanomaterials, water quality, climate, agriculture, air.

More Info: <https://www.britishcouncil.in/workshop-grants-newton-fundresearcher-links-july-2015>

Royal Academy of Engineering



Royal Academy of Engineering runs several funding programmes which aim to encourage international engineering collaborations, support the expansion of international networks, and allow researchers to gain international experience and access world-class expertise.

The Academy has launched a new Exchange programme – Newton Research Collaboration Programme. The Research Exchanges with India and China scheme is no longer being administered and all applications which would normally be submitted under this scheme can now be submitted under the Newton Research Collaboration Programme. To apply please visit: raeng.org.uk/NewtonFund.

Science and Engineering Research Board



International Travel Support scheme is designed to provide financial assistance for presenting a research paper or chairing a session or delivering a keynote address in an international scientific event (conference/seminar/symposium/workshop etc.). In addition, support is also provided to young scientists (age limit 35 years as on date of conference) for attending training programmes and short-term schools/workshops/courses.

<http://serb.gov.in/its.php>

International Partnerships Office
Kumaraguru College of Technology
internationalpartnerships@kct.ac.in
<https://www.facebook.com/InternationalRelations.KCT/>