

Memorandum of Understanding

| Si.No | MoU With | Signed Date | Major Objectives | Coordinators | Department |
|-------|--|-------------|---|----------------------------------|------------|
| 1 | IIT Gandhi Nagar | | | | |
| 2 | NITK Surathkal | | | | |
| 3 | University of Toledo USA | | | | |
| 4 | Missouri State University USA | | | | |
| 5 | NATPAC | | | Dr. M.V.L.R.Anjaneyulu | CED |
| 6 | Kerala Institute of Local Administration, HUDCO, Laurie Baker Center for Habitat Studies & Maithri Thituvanathapuram | 25.09.2010 | | | |
| 7 | Central Road Research Institute | | | Dr. M.V.L.R.Anjaneyulu | CED |
| 8 | Hindustan Petroleum Corporation Ltd. (HPCL) | 03.02.2010 | investigations on the application of catalytic nanoparticle as diesel and bio-diesel additives | Dr. Sajith V | SMSE |
| 9 | DBT | 10.03.2011 | Basic Research/Anti-cancer drug research | Dr. Rathinasamy K | SOBT |
| 10 | COIR BOARD | 17.03.2011 | | Dr. S Chandrakaran | CED |
| 11 | NTPC Energy Technology Research Alliance (NETRA) | 03.02.2012 | | Dr. Sajith V | SMSE |
| 12 | Combat Vehicle Research & Development Estt. (CVRDE) | | | | |
| 13 | IITM | 03.10.2012 | Consultancy project "Performance Emission and Combustion studies on catalytic nanoparticle added diesel in CT engine" part of the NITC-HPCL | | |
| 14 | IIT Delhi | 22.03.2013 | | Dr. V.K Govindan (Dean Academic) | |
| 15 | DBT | 29.08.2013 | Design and In vitro Evaluation of the Neuroprotective Effects of HI-Prolyl Hydroxylase Inhibitors against Ischemic Stroke | | |

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| 16 | Tata Consultancy Services Ltd., Mumbai | 5.02.2014 | | Dr. Subhashini R | CSED |
| 17 | National University of Ireland, University College Cork, Cork, Ireland | | Academic and Reseach Collaborations and Exchanges | Dr. M.K.Ravi Varma | Physics |
| 18 | Center for Developmetn of Advanced Computing (CDAC) | 19.06.2015 | | Dr. Askok S | EED |
| 19 | Indian Institute of Science, Bangalore | 6.05.2015 | Implementation of Scheme National Initiative for setting up of Design Innovation Centers, Open design School & National Design Innovation Network | Dr.P.K Rajendran | MED |

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|----|--|------------|---|-----------------------|------------|
| 20 | University of Shanghai for Science and Technology, School of Energy and Power Engineering, Shanghai, China | 16.10.2015 | Academic and Reseach Collaborations and Exchanges | Dr. M.K.Ravi Varma | Physics |
| 21 | University of Pitsberg, Mechanical Engineering and Materials Science Department | | | Dr. S Jayaraj | MED |
| 22 | RCC Trivandrum | | Computer Aided Detection of Bone Tumors and plain Radiographs | Dr. Praveen Sankaran | ECED |
| 23 | Indian Institute of Remote Sensing ISRO, Department of Space, Dehradun | | | Dr. M.K.Ravi Varma | Physics |
| 24 | NIT Hamirpur | | | | |
| 25 | Sapience Consulting - a Texas Instruments University Program Partner | 7.03.2016 | | Dr. Lyla B Das (ECED) | ECED & EED |

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|----|---|------------|---|----------------------------|-----------|
| 26 | Dong - A University, Nano-Thermal Laboratory Division of Mechanical Engineering | 13.05.2016 | | Dr. SJayaraj (MED) | MED |
| 27 | Michigan Technological University Houghton, Michigan U.S.A | 17.01.2017 | Academic and Reseach Collaborations and Exchanges | Dr. Chandrasekharan Keloth | Physics |
| 28 | IIT Madras | 16.02.2017 | Develop Chemical Probes to sence and Quantify Biologically Relevant Species like Carbon Monoxide (CO), Hydrogen Sulphide (H2S), Nitric Oxide (NO)e etc. | Dr. Lakshmi C | Chemistry |
| 29 | i2i TeleSolutions | 1.05.2017 | Joint Research and Developmen in Tele - Ophthalmology Projects | Dr. Sreelekha G | ECED |

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| 30 | National Center for Earth Science Studies | 21.07.2017 | | | |
| 31 | Central Water Commission, New Delhi | 24.08.2017 | | Dr. Santhosh G Thampi | CED |
| 32 | ARYAKA Networks India Pvt. Ltd | 8.02.2018 | | Dr. Saidalavi Kalady | CSED |
| 33 | CSIR- Central Electronics Engineering Research Institute PILANI | 17.07.2018 | | Dr. N Sandhyarani | SNST |
| 34 | JMR Infotech | 3.08.2018 | | Dr. Anu Mary Chacko | CSED |
| 35 | FEDO | 7.09.2018 | | Dr. Lisa Sreejith | Chemistry |
| 36 | SreeChithira Thirunal Institute of Medical Science and Technology | 11.09.2018 | | Dr. Jimmy Jose | CSED |
| 37 | MVR Cancer Center & Research Insitute, Kozhikode | 1.11.2018 | | Dr. Ameer | ECED |
| 38 | Rajagiri Hospital Aluva | 23.11.2018 | | Dr . C Muraleedharan | MED |
| 39 | PeeKay Steel Casting (P) Ltd. | | | Dr. M.A.Joseph | MED |
| 40 | VKC Elastomets (P) Ltd. | | | Dr. G Unnikrishnan | Chemistry |
| 41 | M/s Jayalakshmi Electricals Pvt. Ltd. Thrissur | 23.01.2019 | | Dr. S Jayaraj | MED |
| 42 | CSIR-National Environmental Engineering Research Institute, Nagpur | | | | |
| 43 | BOSCH | 15.03.2019 | | Dr. Kumarave S | EED |
| 44 | Hamon Technologies LLP, Koshikode | 27.06.2019 | | Dr. Jeevamma Jacob | EED |
| 45 | Kerala Electrical and Allied Engineering Co. Ltd | 03.09.2019 | | Dr. S Kumaravel | EED |
| 46 | Southern Railway | 9/6/2019 | | Dr. T M Madhavan | |
| 47 | Tata Steel Limited | 9/24/2019 | | Dr. Teja Reddy Vakamalla | CHED |
| 48 | KMCT Dental College, Manassery, Kozhikode | 11/6/2019 | | Dr. M. Sanjay Pournami P N | EED CSED |
| 49 | Kerala Engineering Research Institute, Peechi Department of Irrigation | 27.11.2019 | | Dr. Santosh G Thampi | CED |

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| 50 | Koodaranji Panchayat | 19.02.2020 | Providing consultancy services to prepare masterplan of the Public Health centre premises | Dr. Chitra K (ARCHI) | DAP |
| 51 | NITC Alumni Association (NITCAA) | 04.03.2020 | | | |
| 52 | ekLakshya Academy LLP, Hubballi | 04.03.2020 | | Dr. P S Sathidevi | ECED |
| 53 | Sree Chithira Tirunal Institute for Medical Sciences and Technology | 15.06.2020 | | Dr. Sudeep P V | ECED |
| 54 | Kerala State Drugs and Pharmaceuticals Ltd., Kalavoor | 18.06.2020 | | Dr. Sajith V | |
| 55 | Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), Puducherry | 29.06.2020 | | Dr. P S Sathidevi | ECED |
| 56 | Department of Higher Education Ministry of Human Resource Development Government of India | 27.08.2020 | | | |
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TECHNOLOGY TRANSFER

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|---|---|------------|--|----------------------------|----|------|
| 1 | Kerala Electrical and Allied Engineering Co. Ltd | 03.09.2019 | | Prof Ashok S & Kumaravel S | Dr | EED |
| 2 | Kerala State Drugs and Pharmaceuticals Ltd., Kalavoor | 18.06.2020 | | Dr. Sajith V | | SMSE |

(1) A total of 15 OG students were given summer internships in UCC (various departments) during 2014 - 2015, (2) Dr. Albert Ruth (Physics) visited NIT Calicut and participated in one-day workshop on Spectroscopy:Instrumentation and Applications (organized by Dr. Ravi Varma - Physics and Dr. N Sandhyarani - SNST), (3) Dr. Dean Venables (Chemistry) visited NIT Calicut in March 2015 and participated in teaching of an elective course PH3022- Atmospheric and Environmental Physics. (4) Sathesh Chandran and

(1) There is joined ongoing collaborations between NITC and USST. One publication already resulted in 2019, 3 more expected later this year, (2) Dr. Jun Chen visited NITC during Aug 2017 to take part in ATMOPSTIC 2017, He was co-convenor for the symposium and lecture series and USST was one of the sponsor for the program, (3) Dr. Ravi Varma visited USST as part of Chinese Ministry of Foreign affairs "Subject Expert Visit" during 2015 for 1-month, Several subsequent visits were made, Mr. Arun R and Mr. Shebi John, both PhD students have visited and participated in laboratory as well as field measurements in 2016 and 2017. Another set of visits to happen in May-June 2019

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(1) Prof. Bruce Seely, Dea of Faculty of Arts and Science visited NIT Calicut and delivered a lection on History of Science and Engineering at School of Nano science and Technology Seminar hall, January 2017. (2) Prof. Claudio Mazzoleni (Physics) and Prof. Lynn Mazzoleni (Chemistry) visited NIT Calict during July 20 - August 9, 2017, took part in GIAN (Atmospheric Aerosol), and participated in international symposium on Atmospheric Measruements (ATMOPSTIC. TU was one of the co-sponsor for the seminar series, and Prof. Lynn Mazzoleni was co-convenor of the program (August 7 - 11, 2017), (3) Dr. M. K. Ravi Varma visited MTU in December 2017 for a period f 10 days as part of MOU, (4) Ms. Aiswary S, a PhD student in Physics visited MTU for 4 months in May - August 2017, for taking part of some measurements

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