

## National Institute of Technology

**Memorandum of Understanding**

Si.No	MoU With	Signed Date	Major Objectives	Coordinators	Department	Major outcomes till date
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			
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	(1) A total of 15 UG 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) Satheesh Chandran and Isaac S Jose two PhD
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	

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	(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 Foriegn 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 labotary as well as field measurements in 2016 and 2017. Another set f visits to happen in May-June 2019
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)	CED & EED	

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	(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
28	IIT Madras	16.02.2017	Develop Chemical Probes to sence and Quantify Biologically Relevant Species like Carbon Monoxide (CO), Hydrogen Sulphide (H2S), Nitric Oxode (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	
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	
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 Scieces 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				

## TECHNOLOGY TRANSFER

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