

Technology Offers

No	Technology Provider	Contact person	Name of Technology	Status of Commercialisation
1	Rajiv Gandhi Institute of Petroleum Technology, Jais, Uttar Pradesh	M.S. Balathanigaimani Dean, R&D	<ol style="list-style-type: none"> 1. Membrane-cryogenic hybrid arrangement and a method of Carbon capture thereof 2. Stiff plastic material possessing autonomous self-healing ability 3. Polyacryloyl hydrazide based hydrogels 4. A process for the preparation of polyacryloyl hydrazide stabilized metal nanoparticles 5. Effectiveness of Sorbiton Mono Oleate as Pour Point Depressant 6. Effectiveness of Hexamethylene Diamine Acrylate Ester as Pour Point Depressant 	Available for commercialization
2	IIIT DM-Jabalpur	Dr Dinesh Kumar Dean –Research	<ol style="list-style-type: none"> 7. A Wearable Blood Extraction And Sampling Device And Method Of Its Operation Thereof 8. A Bicycle Convertible To A Tricycle Cart System And Method Of Its Operation Thereof 9. A System For Supporting Body Movements While Using A Toilet Seat 10. Asymmetric Umbrella With A Strain Reducing Hand Band 11. System And Method For Harvesting Energy 12. Solar Cell Device With Improved Absorption And Trapping Efficiency And Method Of Its Working Thereof. 13. System And Method For Assisting In The Parking Of A Vehicle. 	Available for commercialization
3	IICT-Hyderabad	Dr D Shailja Chief Scientist & Chair Head-BDRM	<ol style="list-style-type: none"> 14. Catalytic vapor phase amoxidation process for the preparation of o-chloro toluene to o-chlorobenzonitrile 15. An improved process for the production of racemic lipoic acid 16. Anaerobic gas lift reactor (AGR) for the treatment of organic solid waste 17. A Process for the preparation of Nicotine 18. Green and Renewable Biohydrogen (H₂) and Platform Chemical from biogenic (solid /liquid) waste 	Available for commercialization
4	CSIR-CIMAP, Lucknow	Dr Ramesh Srivastava Sr Scientist &Head	<ol style="list-style-type: none"> 19. Nbrmap-db Anti-diabetic Formulation 20. Naari Infection Preventing Sanitary Napkins 21. Mosrep- Natural Mosquito Repellent Agarbatti 	Commericalised

		Business Development	22. Hankool-Hand disinfectant 23. Pain-Chhoo- Pain relieving balm	
5	CSIR-CCMB, Hyderabad	Dr Archana B Siva Senior Principal Scientist & Head (Business Development)	24. Peptide-based Delivery of Therapeutic Nucleic Acids Targeting Neurodegenerative Diseases 25. Multi-dimensional, High-throughput Small-molecule Screening Platforms for Protein-misfolding Diseases 26. Diabetic-friendly, premium grain quality Improved Samba Mahsuri Rice 27. Protein-nanostructure based drug delivery system for the delivery of therapeutic agents to the anterior segment of the eye 28. A kit for detection of mutations associated with genetic disorders	Available for commercialization
6	CSIR-SERC, Chennai	Dr K Sathish Kumar Head, BKMD	29. Glass Textile Reinforced Concrete Crash Barrier System 30. Cost effective and energy dissipative beam-to-column connection for seismic resilient steel moment frame building	Available for commercialization
7	CSIR-CRRI	Dr Lakshmy Parameshwaran, Head PME	31. Vehicle Mounted Automatic Controlled Mobile Bridge Inspection Device 32. Design Of Noise Barrier Based On Different Frequencies 33. Stepwise Repeated Destabilization And Stabilization Of Highly Collapsible Soil Mass By `Soil Nailing Technique` Used For Construction Of Railway/Road Underpass 34. A Wet Process For The Preparation Of Waste Pvc Modified Bitumen Useful For Paving Applications 35. Design And Development Of Pothole Repair Machine	Few are commercialized and others are available
8	NIT- Calicut	Dr. V. Madhusudanan Pillai. Dean (Research & Consultancy)	36. Polymer Conjugate And A Process For Preparing The Same (Patent No. : 327484) 37. New Organic Fullerene Derivative From Elastomers, 38. An Eco-friendly Method For The Total Conversion Of Plastic Waste To Power Generation. 39. Flexible And Printable Elastomeric Memory Device Structure From Elastomer Fullerene Deriva 40. A Novel Method For The Preparation Of Chitin/Pva/Peg Crosslinked Hydrogel For Biomedical Application	Available for commercialization
8	NIT- Surat	Dean Research	41. PPEA/MAA active layer containing forward osmosis membrane and a method of preparing thereof 42. Artificial fiber with knot for reinforcement of concrete 43. Stacked minichannel heat sink 44. Flower waste composter	Available for commercialization

			<p>45. Wind turbine blade</p> <p>46. Fixture for shear testing of sandwich structures</p>	
10	NIT-Trichy	Dr S Muthukumaran Dean (R&D)	<p>47. Biodiesel from Non-Edible Semecarpus Anacardium Seed Oil and Method Thereof</p> <p>48. Synthesis of carbon supported calcium methoxide green catalyst from Senna Siamea pod for biodiesel production</p> <p>49. An elastoplastic deformation processing, tool and method thereof 3. Domain of Technology</p> <p>50. Multipurpose rescue furniture and method thereof</p> <p>51. Title of Technology: System and Method for Efficient Energy Extraction from an Existing Solar PV System</p> <p>52. Single Axis Solar Tracking System and Method Thereof</p>	Available for commercialization
11	CSIR-NBRI, Lucknow	Director	<p>53. Herbal Formulation For Diabetes Management (NBRMAP-DB)</p> <p>54. A potential herbal combination for alleviating urolithiasis,nephrolithiasis and post lithotripsy conditions (ESWL).</p> <p>55. Synergistic herbal gel useful for controlling inflammation and pain of teeth and gums.</p> <p>56. Synergistic herbal formulation useful for the protection of cavity formation and toothache</p> <p>57. Polyherbal Toothpaste for Oral Care</p>	All are commercialised
12	IISER-Bhopal	Dr Sanjeev Shukla Dean(R&D)	<p>58. Novel Dipyrindyl Derivative as an Insulin Chaperone</p> <p>59. A method for enhancing UV B stress Tolerance in PI</p> <p>60. Chemoselective sensitivity booster and the process thereof</p> <p>61. Metal Chelated Coordination Polymer for Effluent T</p> <p>62. Systems for Cellular and Sub-cellular Organelle Ta</p>	Available for commercialization
13	IIT – Madras	Dr Ravindra Gettu Dean (IC&CR)	<p>63. Online Device and Method for Optically Measuring Fly Ash Particulate in Industrial Stack Emissions Independent of Moisture</p> <p>64. Functionally Graded Materials for Corrosion Resistance: Application to pipelines and risers</p> <p>65. Floating Wave Energy Devices: Design and development</p> <p>66. Tubular PEM Fuel Cell and Cell Stack thereof</p> <p>67. PERMEATE IOR and EOR™ to increase the Productivity of Oil and Gas Reservoirs</p> <p>68. Electro-thermochromic touch-display devices</p> <p>69. A swirl mesh lean direct injection concept for distributed flame holding for low pollutant emissions and mitigation of combustion instability</p>	Available for commercialization

			70. Rotary kiln incinerator for generating energy from municipal solid waste 71. Mixed refrigerant cycle nitrogen liquefier	
14	NIT – Raipur	Dr Arif Khan Registrar	72. Method for Locating Faults at Single Location or Multiple Locations in Power Transmission Lines	Available for commercialization
15	IIT – Kharagpur	Dr Suman Chakraborty	73. A new piece-wise isothermal nucleic acid testing (COVIRAP) which is the first of this kind “A low-cost Rapid Accurate Nucleic Acid based Test Providing a High Level of Accuracy for the Asymptomatic with the Cost and Simplicity of a Rapid-Test for SARS-CoV-2”. 74. Ultra-low cost paper strip kits for common blood tests (such as sugar, haemoglobin) in resource limited settings. 75. A portable hand-held device for early screening of oral cancer via thermal imaging and analytics	Available for commercialization
16	CSMCRI- Bhavnagar	Dr Shibaji Ghosh	76. Process for the preparation of Liquid Seaweed Plant Bio-stimulant (LSPB) from brown algae – Sargassum 77. Integrated process for simultaneous recovery of sap and carrageenan (semi-refined and refined carrageenan) from fresh Kappaphycusalvarezii seaweed as basic raw material 78. A cyclic process of recovery of sodium sulphate from salt refinery/salt washery wash liquor containing sodium chloride and sodium sulfate 79. Recovery of organics and potash from molasses based alcohol distillery effluent (spent wash) 80. Flat sheet ultrafiltration and Thin-film composite (TFC) reverse osmosis membrane and spiral module making technology	Commercialized