

## Industry Sponsored\* Student Startup Action & D&L (1-2-3-4) Project Proposals

### (Call-2019)

S. No.	IRD Schemes	Project Title	Mentor		Student
			Faculty	Industry	
1	Student Startup Action	Design and Development of Low Cost, Low Wattage Single Phase Induction and PM Motor Ceiling Fans	Prof. Bhim Singh	Ornate Solar	Utkarsh Sharma 2016EEZ8064 Sharankumar Shastri 2018EEZ8160
2	Student Startup Action	Metamaterial based Radiative cooling: Towards energy free all day cooling	Prof. Rajesh Prasad Prof. M R Ravi	ReNew Power	Abhishek Gangwar 2017ME20642 Shivam Goyal 2018ME10639
3	Student Startup Action	Studying e-rickshaw operations and development of charging and parking infrastructure for e-rickshaws	Prof. Nezamuddin	CERCA	Sourav Das 2018CEZ8033 Gandham Sai Chandrika 2018CEP2162 Shivam Sachdeva 2016CE10856 Harsh Singla 2016CE10226

4	Discover & Learn (1-2-3-4)	Autoconfiguration of network parameters using reinforcement learning	Prof. Niladri Chatterjee	Nokia	Ashray Aman 2016MT60650 Anchit tendon 2017MT10772 Mridul Abhuja 2018MT10626 Shaurya Goyal 2016MT60244
5	Discover & Learn (1-2-3-4)	Implementing neural network algorithms on quantum hardware for faster data classification than classical hardware with less resources	Prof. Debanjan Bhowmik Prof. Saurabh Kumar	Nokia	Saurabh Kumar 2016EE10825 Siddharth Dangwal 2017EE10497 Arunava Das 2018EE10593 Nirjhar Das 2019EE30585
6	Discover & Learn (1-2-3-4)	Reverse Logistics Network Modelling for consumed batteries of electric vehicles	Prof. Nomes Bolia Prof. Varun Ramamohan	CERCA	Aman Jain 2016ME10758 Aditya Raj Gupta 2017ME20645 Mahak 2017CS10219

					Rishi Dubey 2018ME20711  Kushal Shah 2019ME10808
7	Discover & Learn (1-2-3-4)	Rapid DC Electric Vehicle Chargers for in-home usage	Prof. Sumit Pramanick  Prof. Soumya Subhra Nag	Ornate Solar	Nitin Yadav 2016EE10050  Saswat Mishra 2017ME20692  Anshul Damesha 2017EE30514  Rohan Yuttham 2017ME10605  Ankit Kumar 2018EE10669  Yashasvi Ghadale 2019PH10666
8	Discover & Learn (1-2-3-4)	Text extraction, simplification and synopsis generation using reinforcement learning	Prof. Niladri Chatterjee	Nokia	Sharut Gupta 2017MT60250  Sakshi Tapara 2017MT10746  Bhumika Chopra 2018MT10748

					Hetvi Jethwan 2018MT10754 Mallika Prabhakar 2019CS50440
9	Discover & Learn (1-2-3-4)	Design and Development of Innovative Non-mechanical tracking Solar concentrator for multipurpose sunlight harvesting	Prof. D S Mehta	ReNew Power	Mayank Gupta 2015PHZ8388 Virendra Kumar 2017PHZ8411 Ayan Halder 2018PHS7124 Shivan Trivedi 2019PHA2132

**\*Funding of Industry Approved projects will be based on the funding received from the specific Industry.**

**Additional Information:** The selected teams will be mentored both by the respective Industry and faculty members. The project will be given a seed grant up to Rs. 2 Lakhs per year from IRD and additionally Rs. 2 Lakhs from respective Industry. The project will be evaluated yearly.