



Date: 26th August, 2019

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Dean (Research)
Quantum University

CIRCULAR

It is with Great pleasure we announce the faculties who have been selected for the award of Seed Money for carrying out research under the "SEED MONEY GRANT" scheme for the year 2019-20 along with grant allocation:

Sr. No	Topic	Principle Investigator (PI)	Co-PI	Seed Money Components
1	A Phase-Wise Approach To Implement Lean Manufacturing	Dr. Gulshan Chauhan, Dept of Mechanical Engineering		Research Expenses = Rs. 19125 Testing of Equipment charges= Rs. 57375 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Travel & Administrative Expenses= Rs. 6000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 113500
2	A Review On Design Of Multiband Bandpass Filter Using Different Dgs Structures To Enhance The Performance	Dr. Amit Dixit, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 19875 Purchase of minor equipment = Rs. 59625 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 12000 Total Amount= Rs. 116500
3	A Review On Herbal Drugs As Anticancer Agents	Ms. Sarika Devi, Dept of Pharmacy	Dr. Praveen Kumar	Laboratory consumables/consumables/ Research Expenses = Rs. 21025 Testing of sample charges= Rs. 63075 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10200 Travel & Administrative Expenses= Rs. 10200 Patentability Search= Rs. 15300 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10200 Total Amount= Rs. 140000





4	An Identification And Exploitation Of Constraint In The Delayed Delivery Of Projects - A Case Study	Mr. Kamlesh Singh, Dept of Mechanical Engineering		Research Expenses = Rs. 19375 Purchase of desktop charges= Rs. 58125 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Travel & Administrative Expenses= Rs. 6000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 114500
5	Automatic Question Paper Generating System And Method	Mr. Himanshu Tyagi, Dept of Computer Sciences & Engineering		Software Development Expenses = Rs. 45250 Purchase of high configuration desktop= Rs. 51750 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 22000 Travel & Administrative Expenses= Rs. 22000 Patentability Search= Rs. 26500 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 22000 Contingency Charges= Rs. 10000 Total Amount= Rs. 177500
6	Bill Management Method For Commercial Transactions	Mr. Ankur Rana, Dept of Computer Sciences & Engineering		Software development expenses = Rs. 30625 Purchase of equipment (Hardware/Software) charges = Rs. 61875 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Software testing expenses= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 16000 Total Amount= Rs. 179500
7	Characterization Of Silicon Carbide Reinforced Aluminum Alloy Matrix Composites	Mr. M. Kannan, Dept of Mechanical Engineering	Dr. Vivek Kumar Sharma	Research Expenses = Rs. 20750 Purchase of new desktop= Rs. 62250 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Travel & Administrative Expenses= Rs. 6000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 120000





8	Corporate Governance In Indian Banking Sector: An Analysis	Dr. Ram Singh, Dept of Commerce & Finance		Survey Expenses = Rs. 50000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Travel Expenses= Rs. 36000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 117000
9	Data Security Mehod	Mr. Rishi Sharma, Dept of Computer Sciences & Engineering		Development of security system software = Rs. 49125 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 11000 Testing of security system= Rs. 27375 Patentability Search= Rs. 16500 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 11000 Total Amount= Rs. 125000
10	Detection System For Moving Objects	Dr. Satender Kumar, Dept of Computer Sciences & Engineering	Dr. Vivek Kumar	Development of sotware for detection system= Rs. 66000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Testing of software= Rs. 28000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 125000
11	Developed A Validated Analytical Procedure For Estimation Of Ondansetron By Uv-Spectroscopy As Api And In Tablets	Dr. Praveen Kumar, Dept of Pharmacy		Research Expenses = Rs. 20000 Purchase of equipments= Rs. 70000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10000 Patentability Search= Rs. 15000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10000 Total Amount= Rs. 135000
12	Digital Deliberation System And Method	Mr. Chunnu Lal, Dept of Computer Sciences & Engineering	Mr. Mahendra Swain	Research Expenses = Rs. 13875, Purchase of High Configuartion system= Rs. 41625 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 11000 Testing of Digital deliberation system= Rs. 11000 Patentability Search= Rs. 16500 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000





				Contingency Charges= Rs. 11000 Total Amount= Rs. 115000
13	Extensive Study Of 2D Transformations In Computer Graphics	Mr. Ankur Rana, Dept of Computer Sciences & Engineering	Ms. Mohita Trehan	Research Expenses = Rs. 15275 Purchase of Software charges= Rs. 56025 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10200 Patentability Search= Rs. 15300 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10200 Total Amount= Rs. 117000
14	Hybrid Cloud Infrastructure For Load Balancing And Scaling With Vm Path Optimization Using Ant Colony Optimization	Dr. Vivek Kumar , Dept of Computer Sciences & Engineering		Research Expenses = Rs. 17500 Purchase of minor equipment (Hardware/Software)= Rs. 52500 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10000 Travel & Administrative Expenses= Rs. 10000 Patentability Search= Rs. 15000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10000 Total Amount= Rs. 125000
15	Impact Of Fdi In Retail Sector On Agriculture Growth	Dr. Vinay Pal Singh, Dept of Commerce & Finance		Survey Expenses = Rs. 15000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10000 Travel & Administrative Expenses= Rs. 10000 Patentability Search= Rs. 15000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10000 Total Amount= Rs. 70000





16	Intelligent Multimedia Selection System	Ms. Gurmeet Kaur, Dept of Computer Sciences & Engineering	Mr. Alok Kumar	Purchase of hard disc + UPS = Rs. 14600 Purchase of minor equipment (Hardware/Software)= Rs. 43800 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10800 Travel & Administrative Expenses= Rs. 10800 Patentability Search= Rs. 16200 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10800 Total Amount= Rs. 117000
17	Service Quality Attributes Affecting The Satisfaction Of The Railway Passengers Inside The Train In The Selected Route Of The Northern Railway (India)	Dr. Arun Kant Painoli, Dept of Business Administration	Ankur Kukreti	Research Expenses on collection of data and pursahning of data = Rs. 29250 Purchase of new monitor charges= Rs. 57750 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Travel & Administrative Expenses= Rs. 21000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 16000 Total Amount= Rs. 179000
18	Some Studies On The Performance Of Activated-Tig Welding In Steel Weldments	Mr. Mukesh Kumar, Dept of Mechanical Engineering		Expenses on materials for research = Rs. 56250 Purchase of new UPS and new hard disc = Rs. 28750 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Travel & Administrative Expenses= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 16000 Total Amount= Rs. 172000
19	Static And Moving Object Detection System	Dr. Vivek Kumar, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 50000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10000 Testing of Systems= Rs. 35000 Patentability Search= Rs. 15000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10000 Total Amount= Rs. 130000





20	The Development And Prospect In The Solar Energy Sector In India	Mr. Mukesh Kumar, Dept of Mechanical Engineering		Survey expenses = Rs.60000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 19000 Travel & Administrative Expenses= Rs. 44000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 16000 Total Amount= Rs. 178000
21	Welding Parameters Effect On The Microstructure Of Gas Tungsten Arc Welded Thin Mild Steel Sheets	Mr. M. Kannan, Dept of Mechanical Engineering	Mr. Raunak Gupta	Research Expenses on materials = Rs. 32000 Purahse a new monitor for research = Rs. 72000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Administrative Expenses= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 10000 Total Amount= Rs. 185000
22	Wireless Security System	Mr. Chunnu Lal, Dept of Computer Sciences & Engineering	Mr. Deepak Bhatt	Purchase of Software= Rs. 105375 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 11000 Testing of Wireless security system= Rs. 46125 Patentability Search= Rs. 16500 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 11000 Total Amount= Rs. 200000

Dr. Amit Dixit
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