



Date: 31/08/2020

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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 2020-21 along with grant allocation:

Sr. No	Topic	Principle Investigator (PI)	Co-PI	Seed Money Components
1	A Collaborative Mining Network (Cmn) To Execute Computationally Intense Mining Tasks In Mobile Blockchain	Dr. Vivek Kumar, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 40750 Purchase of minor equipment = Rs. 122250 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 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. 200000





2	A Method For Managing And Analysis Of Data In Smart Buildings	Dr. Ram Singh, Dept of Commerce & Finance		Research expenses in developing the system = Rs. 78000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Testing of Smart Building system= 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. 115000
3	Advanced Electric Racket/Flap/Bat For Mosquito	Dr. Amit Dixit, Dept of Computer Sciences & Engineering	Mr. Mukesh Kumar	Research Expenses on materials = Rs. 25150 Testing of Equipment charges= Rs. 45450 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 20200 Travel & Administrative Expenses= Rs. 20200 Patentability Search= Rs. 25300 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 25000 Contingency Charges= Rs. 20200 Total Amount= Rs. 181500
4	An Oral Tablet Composition Comprising Active Pharmaceutical Ingredients Suitable For The Treatment Of Autophagy Modulation-Associated Diseases	Dr. Vivek Kumar, Dept of Computer Sciences & Engineering	Dr. Praveen Kumar	Laboratory consumables/consumables/ Research Expenses = Rs. 33250 Purchase of minor equipment = Rs. 79750 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of drug= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 16000 Total Amount= Rs. 190000
5	Artificial Intelligence And Machine Learning: The Way To Next Generation	Dr. Chandani Sharma, Dept of Computer Sciences & Engineering	Shalini	Research Expenses on new hard disk and UPS = Rs. 28000 Purchase of AI Softwares= Rs. 66000 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. 6000 Total Amount= Rs. 125000





6	Authenticating The User To Access Secure Application Through The Face Image Processed In Cloud Server	Mr. Vishal Vig, Dept of Computer Sciences & Engineering	Dr. Satendra Kumar	Research Expenses = Rs. 40750 Purchase of minor equipment (Hardware/Software)= Rs. 122250 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. 200000
7	Cost Analysis Of Solar-Wind Based Hybrid Renewable Energy System	Dr. Chandani Sharma, Dept of Computer Sciences & Engineering		Survey expenses= Rs. 69750 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Travel & Administrative Expenses= Rs. 29250 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 130000
8	Design A Holder For Use In A Pressure-Brewing Coffee Drink In A Coffee Machine For Preparing Coffee	Dr. Kamlesh Singh, Dept of Mechanical Engineering		Research Expenses = Rs. 19750 Purchase of minor equipment = Rs. 59250 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. 116000
9	Design An Advance Automatic Guided Ship While Entering Harbour Or While Docking Of Ship In Harbor	Dr. Amit Dixit, Dept of Computer Sciences & Engineering	Dr. Kamlesh Singh	Research Expenses = Rs. 14900 Purchase of Software = Rs. 44700 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10200 Testing of Equipment charges= 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. 115500





10	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. 24500 Purchase of UV Spectrometer = Rs.60500 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Testing of Equipment charges= Rs. 19000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 135000
11	Digital Learning Ecosystem At Indian Higher Education System	Dr. Uday Khanna, Dept of Media Studies		Research Expenses = Rs. 19250 Purchase of high configuration desktop = Rs. 57750 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. 114000
12	Dynamic Power Management And Mobile Platform Policy Enhancement For User-Activity Based Network Environment	Mr. Rishi Kumar Sharma, Dept of Computer Sciences & Engineering		Survey expenses = Rs. 62000 Purchase of software = Rs. 26000 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. 125000
13	Evaluation Of Indigenous Plant Extracts With Cow Urine Against Rice Stem Borer And Rice Leaf Folder In Basmati Rice	Mr. Arvind Malik, Dept of Agricultural Studies	Dr. Avinash Varma	Research Expenses cow urine, sticker, and other matreials required for preparation of organic insecticides= Rs. 24500 Purchase of basmati rice seeds, cultivation cost, labour cost, water cost and others = Rs. 50000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Travel & Administrative Expenses= Rs. 15000 Patentability Search= Rs. 10000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10000 Total Amount= Rs. 135000





14	Iot-Based Automatic Railway Gate Controller	Mr. Chirag Malik , Dept of Sciences	Dr. Chiranjit Maji	Research Expenses = Rs. 32000 Purchase of Software) = Rs. 76000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of Equipment charges= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 16000 Total Amount= Rs. 185000
15	Population Dynamics Of Brown Plant Hopper, Nilaparvata Lugens (Stal.) In Basmati Rice And Its Correlation With Abiotic Factors In Western Plain Zone Of Uttar Pradesh	Dr. Avinash Varma, Dept of Agricultural Studies	Pramode Kumar	Research Expenses on cost of cultivationa and management practices = Rs. 23525 Purchase of data weather data and seeds, insecticides and other materials= Rs. 70575 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. 150000
16	Remotely Manage Private Network And Public Network Based On Session Initiation Protocol	Mr. Himanshu Tyagi, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 33250 Purchase of Software = Rs. 79750 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of Equipment charges= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 16000 Total Amount= Rs. 190000
17	Trusted And Secure Configuration And Validation Of Data For Public Iot Devices Using Block Chain Technology	Dr. Vivek Kumar, Dept of Computer Sciences & Engineering	Dr. Aditi Sharma	Research Expenses = Rs. 33250 Purchase of /Software) = Rs. 79750 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of Equipment charges= Rs. 16000 Patentability Search= Rs. 15000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 10000 Total Amount= Rs. 188000





18	Wrapping Paper Roll Cutter	Mr. M. Kannan, Dept of Mechanical Engineering	Mr. Mukesh Kumar	Research Expenses on materials required for paper roll cutter = Rs. 35125 Purchase of Hardware = Rs. 75375 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of Equipment charges= Rs. 16000 Patentability Search= Rs. 16000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 12000 Contingency Charges= Rs. 12000 Total Amount= Rs. 182500
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Dr. Amit Dixit
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