



Date: 29<sup>th</sup> August, 2022

Ref: Dean(R)/SMG/22-23/003

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 2022-23 along with grant allocation:

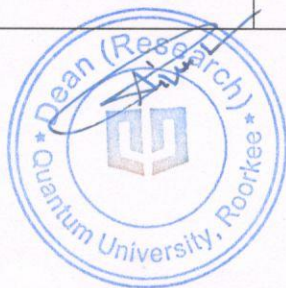
Sr. No	Topic	Principle Investigator (PI)	Co-PI	Seed Money Components
1	A Machine Learning And Ai Based Approach For Transceiving Signal In 6G Wireless Communication Network	Mr. Anurag Chandna, Dept of Computer Applications		Research Expenses = Rs. 91000 Purchase of Ai Software = Rs. 42000 Data Management & 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. 6000 Total Amount= Rs. 200000







2	A System And A Method For Identifying Genuine Products	Mr. Ankur Rana, Dept of Computer Sciences & Engineering	Mr. Irphan Ali	Research Expenses and purchase of protocol = Rs. 43000 Purchase of equipment Software) = Rs. 40000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Testing of Equipment charges= Rs. 16000 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
3	A System And A Method For Preventing Denial Of Service (Dos) Attacks	Mr. Manish Sharma, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 38000 Purchase of Software and Testing of Equipment charges= Rs. 66500 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs.12000 Total Amount= Rs. 161500
4	A System To Analyse And Summarize The Files And Folders Of Windows Device Via Regular Auditing.	Ms. Priyanka Kapila, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 76000 Purchase of Hardware/Software and Testing of software charges= Rs.43000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 12000 Total Amount= Rs. 176000
5	Academic Device Classification Using Blockchain	Mr. Ajay Kumar Sharma, Dept of Sciences		Research Expenses = Rs. 72500 Purchase of equipment = Rs. 45000 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. 194500







6	Advance Automatic Citrus/Lemon Juicer With The Help Of Artificial Intelligence, Machine Learning And Pneumatic System	Mr. Alok Prasad, Dept of Hospitality & Tourism		Research Expenses = Rs. 35000 Expenses on machine and software = Rs. 73000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of Equipment Expenses= 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
7	Advance Automatic Citrus/Lemon Juicer With The Help Of Artificial Intelligence, Machine Learning And Pneumatic System	Mr. M Kannan, Dept of Mechanical Engineering		Research Expenses = Rs. 37500 Expenses on machine equipment and Software) = Rs. 100500 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. 215000
8	Advanced Vehicle Technologies And Hydrogen And Fuel Cell Method And Process	Mr. Himanshu Kandpal, Dept of Civil Engineering		Research Expenses on fuel cell and hydrogen fuel = Rs.29000 Expenses of advanced vehicle technologies and Testing of Equipment charges= Rs. 130000 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. 16000 Total Amount= Rs. 200000
9	Algorithm (Dlb) For Securing The Data From Cryptanalysis	Mr. Vishal Vig, Dept of Computer Sciences & Engineering	Mr.Himanshu Tyagi	Research Expenses = Rs. 45200 Purchase of Software for algorithm = Rs. 58300 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of algorithim charges= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 15000 Contingency Charges= Rs. 16000 Total Amount= Rs. 185000







10	An Environment And A Method For Managing Crop Protection Details	Mr. Vineet Kumar Salar, Dept of Computer Applications	Mr. Deepak Bhatt	Research Expenses on surveys = Rs. 61000 Expenses on crop protection measures data analysis = Rs. 27000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Travel & Administrative Expenses= Rs. 26000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 16000 Total Amount= Rs. 175000
11	An Environment And A Method For Managing Lifecycle Of A Vehicle	Mr. Aditya Sharma, Dept of Computer Applications		Research Expenses = Rs. 54000 Purchase of equipment Software and testing expenses = Rs. 42000 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. 16000 Total Amount= Rs. 183000
12	An Environment And A Method For Managing Supply Chain Information	Mr. Vishal Vig, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 68000 Expenses on Software) and Testing charges= Rs. 45000 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. 16000 Total Amount= Rs. 200000
13	An Iot Based Hotel Management System For Hospitality And Tourism Industry	Mr. Mahesh Mishara, Dept of Commerce & Finance		Research Expenses = Rs. 80500 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. 10000 Contingency Charges= Rs. 16000 Total Amount= Rs. 167500







14	Analysis Of Inflation Rate In Indian Economy During Russia Ukraine Conflict	Dr. Vinay Pal Singh, Dept of Commerce & Finance	Research Expenses = Rs. 37000 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. 10000 Contingency Charges= Rs. 16000 Total Amount= Rs. 110000
15	Application Of Robotic Technology To Segregation And Disposal Of The Biomedical Wastes	Mr. M. Kannan, Dept of Mechanical Engineering	Research Expenses = Rs. 41000 Purchase of equipment (Hardware/Software) robotic technology = Rs. 64000 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. 20000 Contingency Charges= Rs. 16000 Total Amount= Rs. 192000
16	Artificial Intelligence Based System For Addressing The Privacy And Security Aspects Of Wireless Networks	Dr. Swati Rawat, Dept of Computer Applications	Research Expenses = Rs. 73000 Purchase of Software = Rs. 40000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of wireless network charges= 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. 200000
17	Assessment Of Nutritional Status Of Adolescent Girls In Roorkee, Uttarakhand	Ms. Nikita Tyagi, Dept of Applied Medical Sciences	Research Expenses on surveys = Rs. 88000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 21000 Travel & Administrative Expenses= Rs. 36000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 16000 Total Amount= Rs. 200000







18	Automated Data Collection Using Machine Learning.	Dr. Urmila Bharali, Dept of Law		Research Expenses = Rs. 52000 Purchase of Software of automated data collection = Rs. 53000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of machine = 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. 182000
19	Automatic Indication System Of Glucose Level	Ms. Pooja Singh, Dept of Pharmacy	Mr. Vaibhav Rath	Laboratory consumables/consumables/ Research Expenses = Rs. 53000 Purchase of equipment = Rs. 40000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of Equipment charges= Rs. 16000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 150000
20	Bgp-Treatment: Bleeding Gums Problem Solved Using Feracrylum Treatments	Ms. Deepti Bhatt, Dept of Hospitality & Tourism		Laboratory consumables/consumables/ Research Expenses = Rs. 69000 Testing of trails expenses = Rs. 32000 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. 10000 Contingency Charges= Rs. 16000 Total Amount= Rs. 178000
21	Blood Banking Via Cloud Computing Using Machine Learning Tracking The Blood Donor Location At Real Time	Ms. Deepti Bhatt , Dept of Hospitality & Tourism		Research Expenses = Rs. 37000 Purchase of Software = Rs. 44500 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 20000 Testing of Equipment charges= Rs. 20000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 18000 Total Amount= Rs. 178500







22	Cancer Risks From Diagnostic Imaging Modalities: A Review	Ms. Dexsha Chandel, Dept of Paramedical Sciences	Ms. Sonam Sethi	Research Expenses = Rs.874000 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. 16000 Total Amount= Rs. 174000
23	Design Quantum Based Iot Framework Gene Based Periodic Diseases	Mr. Vaibhav Rathi, Dept of Pharmacy	Dr. Darshika Nigam	Research Expenses = Rs. 48000 Purchase of Software for designing gene based periodic diseases = Rs. 45000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of trails 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. 170000
24	Detect The Tumours By Binary Image Processing Of Liver Ct Scan Images	Mr. Satender Kumar, Dept of Computer Sciences & Engineering	Dr.Chandani Sharma	Research Expenses = Rs. 45200 Purchase of equipment to detect tumors = Rs. 58800 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 19000 Testing of Equipment charges= Rs. 19000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 19000 Total Amount= Rs. 200000
25	Dmhc-Process: Innovative Method And Process To Detect The Mental Health Condition	Ms. Sarika Devi, Dept of Pharmacy		Research Expenses = Rs. 31000 Purchase of equipment = Rs. 92000 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. 200000







26	Financial Performances Of Pharma Company In Rural Areas	Mrs. Mudita Mishra, Dept of Pharmacy		Research Expenses on surveys = Rs. 84000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 26000 Travel & Administrative Expenses= Rs. 36000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 20000 Total Amount= Rs. 195000
27	Fraud Detection In Mobile Money Transactions Using Machine Learning	Mr. Vishal Vig, Dept of Computer Sciences & Engineering	Dr.Amit Dixit	Research Expenses = Rs. 28200 Purchase of Software and Testing of software (machine learning)= Rs. 52300 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 19000 Administrative Expenses= Rs. 15000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 19000 Total Amount= Rs. 172500
28	Gluten-Free Cookies Composition And Method For Preparation Thereof	Ms. Nikita Tyagi, Dept of Applied Medical Sciences	Saloni Arora	Laboratory consumables/consumables/ Research Expenses = Rs. 78000 Expenses on testing of gluten free cookies = Rs. 20000 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. 135000
5	Heart-Leaved Moonseed "Incredible Source Of Remedies	Ms. Anjali Dixit, Dept of Pharmacy		Research Expenses = Rs. 39000 Testing of mooseed leaves based medicine charges= Rs. 16000 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. 135000







30	High Protein And High Fibre Snack Composition (Peanut Choco Bar)	Ms. Saloni Arora, Dept of Applied Medical Sciences		Laboratory consumables/consumables/ Research Expenses = Rs. 78000 Testing of high protein nad fibre snack charges= Rs. 10000 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. 125000
31	Home Scale Semi- Automatically Operated System For Spirulina Culture Mini Farm	Mr. Vaibhav Rathi, Dept of Pharmacy		Research Expenses = Rs. 12000 Purchase of minor equipment (semi- automatic operated system for spirulina culture = Rs. 60000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Testing of Equipment charges= Rs. 14000 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
32	I - Section Cover Block With Bar Holding For Horizontal Structural Element	Mr. Himanshu Kandpal, Dept of Civil Engineering	Mr. Akash Saini	Research Expenses = Rs. 32000 Purchase of I- section cover with bar holder = Rs. 56000 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. 125000
33	Importance Of Nutraceuticals In Pregnancy	Ms. Shaily Tyagi , Dept of Pharmacy		Research Expenses = Rs. 29000 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. 135000







34	In Vitro Evaluation (Antioxidant Activity) Of Coumarin Derivatives	Mr. Vaibhav Rathi, Dept of Pharmacy	Santosh Kumar Verma	Laboratory consumables/consumables/ Research Expenses = Rs. 29000 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. 135000
35	Intelligent Life Cab	Ms. Dexsha Chandel, Dept of Paramedical Sciences		Research Expenses = Rs. 88000 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. 16000 Total Amount= Rs. 135000
36	Intelligent Reinforced Learning To Play <u>Slither.io</u>	Mr. Karan Babbar, Dept of Civil Engineering		Research Expenses = Rs. 66000 Purchase of Software for slither = Rs. 22000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Testing of Equipment charges= 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
37	Intelligent Way To You Tube Ads In Digital Marketing To Reach Mass Audience And Its Comparative Effectiveness	Mr. Kumar Mausam, Dept of Media Studies		Research Expenses = Rs. 63000 Purchase of minor equipment (Hardware/Software) = Rs. 20000 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. 120000
38	Machine Learning Based Approach To Profile The Dna Sequences To Predict The Hereditarian Traits Of Criminal	Ms. Ankita Sundriyal, Dept of Humanities & Social Sciences		Research Expenses = Rs. 65200 Purchase of software= Rs. 15800 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. 112000







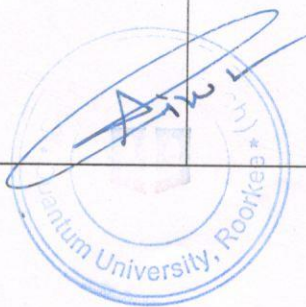
39	Methods And Process Of An E-Post Office Controlled Usingai- Based	Mr. Satender Kumar, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 65000 Purchase of minor equipment (Hardware/Software)= Rs. 44000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 20000 Total Amount= Rs. 174000
40	Mini-Review On Haemovigilance: An Indian Perspective	Ms. Swati Tyagi, Dept of Pharmacy	Ms.Mudita Mishra	Research Expenses = Rs. 48000 Purchase of Desktop and Printer= Rs. 49500 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 19000 Travel Expenses= Rs. 17000 Patentability Search= Rs. 15000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 16000 Total Amount= Rs. 174500
41	MI-Based Model For Venue Prediction And Recommendation	Ms. Shalini Verma, Dept of Business Administration	Ms.Swati Rawat	Software development Expenses = Rs. 49980 Purchase of minor equipment (Hardware/Software) = Rs. 6320 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 10200 Testing of MI-based model= 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. 111500
42	Mucormycosis (Black Fungus): A Serious Threat During Covid-19	Ms. Pooja Singh, Dept of Pharmacy	Aarti Prajapati	Laboratory consumables/consumables/ Research Expenses = Rs. 43000 Purchase of minor equipment = Rs. 12000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Data collection 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. 140000







43	Power Generation Using Advanced Electromagnetic Suspension.	Dr. Vivek Kumar, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 60000 Purchase of equipment = Rs. 100000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Testing Expenses= Rs. 9000 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
44	Ready-To-Eat Composition	Dr. Gaurav Aggarawal, Dept of Agricultural Studies	Dr. Aditya Lama	Laboratory consumables/consumables/ Research Expenses = Rs. 30000 Purchase of minor equipment = Rs. 83000 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. 150000
45	Secured Password Authentication Scheme	Ms. Amrita Kumari, Dept of Computer Sciences & Engineering		Research Expenses = Rs. 43000 Purchase of minor equipment (Hardware/Software) = Rs. 12000 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. 20000 Total Amount= Rs. 130000
46	Skin Care Composition Of Pleiogynium And Photoprotection	Mr. Mukesh Kumar, Dept of Mechanical Engineering		Laboratory consumables/consumables/ Research Expenses = Rs. 61500 Purchase of minor equipment = Rs. 12000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Trial Expenses= 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. 150500







47	Smart Exercise Equipment (Dumbbell With Sensors)	Mr. Mukesh Kumar, Dept of Mechanical Engineering	Purchase of equipment = Rs. 69000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Testing of Smart exercise equipments = Rs. 39000 Patentability Search= Rs. 9000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 10000 Contingency Charges= Rs. 6000 Total Amount= Rs. 149000
48	Soil Moisture And Monitoring Based Seasonal Watering Adjustment System	Mr. Karan Babbar , Dept of Civil Engineering	Research Expenses = Rs. 20000 Purchase of minor equipment = Rs. 41000 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. 200000
49	Study On Use Of Manufactured Sand As Full Replacement Of River Sand	Ms. Pooja Singh, Dept of Pharmacy	Laboratory consumables/consumables/ Research Expenses = Rs. 50000 Purchase of minor equipment = Rs. 58000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Travel = 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
50	System And Method For Detecting Unauthorized Users Using Email Forensics	Ms. Manvi Walia, Dept of Computer Applications	Research Expenses = Rs. 70500 Purchase of minor equipment (Hardware/Software) = Rs. 32000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Travel Expenses= 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. 179500







51	System And Method For Encrypting Hidden Files	Mr. Vineet Kumar Salar, Dept of Computer Applications		Research Expenses = Rs. 38000 Purchase of minor equipment (Hardware/Software)= Rs. 86000 Data Management & Report Preparation / Charges of Analysis of Data= 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
52	System And Method For Identifying Attacks From Different Routes In A Network	Ms. Priyanka Kapila, Dept of Computer Sciences & Engineering	Mr. Anurag Chandana	Research Expenses = Rs. 63500 Purchase of minor equipment (Hardware/Software) = Rs. 46500 Data Management & Report Preparation / Charges of Analysis of Data= 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. 171000
53	System Comprising Smart Ai Mirror	Mr. M. Kannan, Dept of Mechanical Engineering	Mr. Mukesh Kumar	Purchase of minor equipment (Hardware/Software) = Rs. 153000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 6000 Testing of AI mirror Expenses= Rs. 16000 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
54	Video Recommendations Using Ai	Mr. Chunnu Lal, Dept of Computer Sciences & Engineering		Software development expenses = Rs. 63000 Purchase of minor equipment (Hardware/Software) = Rs. 41000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 16000 Administrative Expenses= Rs. 10000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 16000 Total Amount= Rs. 185000







55	Wide Monitoring And Prediction System Using Iot	Mr. Satender Kumar, Dept of Computer Sciences & Engineering	Dr.Amit Dixit	Software Expenses = Rs. 35000 Purchase of minor equipment (Hardware/Software) = Rs. 48000 Data Management & Report Preparation / Charges of Analysis of Data= Rs. 18000 Testing Expenses= Rs. 18000 Patentability Search= Rs. 19000 Cost for Proposal submission to External Agencies & Publication / Fee of Attorney= Rs. 20000 Contingency Charges= Rs. 18000 Total Amount= Rs. 176000
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Dr. Amit Dixit  
Dean (Research)  
Quantum University



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The Finance Controller