

**CRITERION III****LIST OF FACULTIES RECEIVED SEED MONEY****Key Indicator 3.1 Promotion of Research and Facilities****3.1.2 The Institution provides seed money to its teachers for research****List of faculty who have been provided with seed money for research**

S. No	Academic Year	No. Faculty Received Grant	Amount (Rs.)
1	2023-24	10	10,00,000
2	2022-23	24	1,360,000
3	2021-22	15	1,70,000
<b>Total Grant</b>		<b>49</b>	<b>25,30,000</b>

**CRITERION III****LIST OF FACULTIES RECEIVED SEED MONEY****2023-24**

S.No	Name of the teacher provided with seed money	Title of the Project	The amount of seed money (INR in Lakhs)	Duration
1	Dr.S.Premalatha Professor & Head Department of Mathematics	An Economic Analysis of M/M/1/N Interdependent Inter Arrival Queuing Model with Encouraged and Controllable Arrival Rate	1	2023-2025
2	Dr.K.Kannagi Assistant Professor Department of Physics	Aegles Marmelous Green Synthesis of Copper Nanoparicles and its Antimicrobial and antibacterial activity	1	2023-2025
3	Dr.P.Thamizhini Assistant Professor Department of Chemistry	Synthesis, spectral characterization, anti- microbial, dna binding and cleavage activities of mixed ligand copper(ii) complexes of 2-(methylsulfanyln(1H-indol - 3-ylmethylidene)aniline	1	2023-2025
4	Dr.N.Jeenathunisa Associate Professor Department of microbiology	An explorative study on traditional fermented cereal beverages using probiotic bacteria and their biopotential activities	1	2023-2025
5	Ms.R.Sangeetha Assistant Professor Department of Computer Science	IOT Aware Smart Agriculture using extreme learning classifier based predictive analytics in cloud environment	1	2023-2025
6	Dr.R.Merlin Packiam Professor & Head Department of Computer Applications	A hybrid machine learning regression framework for Air quality prediction with meta- heuristic approach	1	2023-2025
7	Dr.J.Sangeetha Associate Professor Department of Information Technology	Optimizing Stock Prediction with Big Data and Sentiment Analysis Through Machine Learning Models	1	2023-2025

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8	Ms.E.Agalya Assistant Professor Department of Food Service Management and Dietetics	Outcome of E -Modules as Health and Nutrition Education Aid for Breastfeeding Practices	1	2023-2025
9	Dr.J.Tamilselvi Professor & Head Department of Business Administration	Analysis of Utilization of E- Banking Practices Among College Students in Tiruchirappalli District	1	2023-2025
10	Ms.M.Ellakkiya Assistant Professor Department of Computer Applications	Development of natural cough reliever to minimise respiratory problems	1	2023-2025

**CRITERION III****LIST OF FACULTIES RECEIVED SEED MONEY****2022-23**

S.No	Name of the teacher provided with seed money	Title of the Project	Amount of seed money (INR in Lakhs)	Duration
1	Dr.M.Neela Associate Professor Department of Business Administration	The Impact of Social Media on College Students	1	2022-2024
2	Dr. D.Ramya Associate Professor Department of Commerce	Perception of Digital Learning and Teaching aspects of Education -A Pragmatic Study	1	2022-2024
3	Dr.S.Gowri Associate Professor Department of Physics	Electrochemical Properties of Cerium Molybdate based composite as Electrode Materials for supercapacitor	1	2022-2024
4	Dr.R. Mekala Associate Professor Department of Physics	Synthesis and Characterization of Ctab-Assisted $ZrO_2, V_2O_5, ZrO_2-V_2O_5$ , Nanocomposites Via Precipitation Process And Their Structural, Optical And Photocatalytic Activities	1	2022-2024
5	Dr.G.Maheswari Professor & Head Department of Physics	Investigation and modelling of polymer for Dye-Sensitized Solar Cell Application (DSSCs) - A DFT Study	1	2022-2024
6	Dr.R.Gayathri Associate Professor Department of Physics	Tuning the optoelectronic Properties of natural Dyes for Solar Cells Application towards optimization and characterization strategies	1	2022-2024
7	Dr.S.Devi Assistant Professor Department of Chemistry	Biogenic Synthesis of Silver Nanoparticles using <i>Muntingia calabura</i>	1	2022-2024

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		stem extract for Nitrophenol reduction		
8	Dr.R.Rameshwari Associate Professor & Head Department of Biotechnology	Green Synthesis of silver Nanoparticles Using Anona Muricata Plant Extract and Study their Anticancer Activity	1	2022-2024
9	Ms. R. Nevetha Assistant Professor Department of Biotechnology	Molecular Docking Studies on Major Active Phytocompounds of Kabasura Kudeneer Against Sars & Mers 5 Covid Receptors	1	2022-2024
10	Dr.V.Aruna Assistant Professor Department of Microbiology	Biofuel Production from the Fermentation of cellulosic waste using Bacterial Consortia	1	2022-2024
11	Dr. S. Jenny Assistant Professor Department of Microbiology	In Vitro Cholesterol Assimilation and Functional Enzymatic Activities of Lactobacillus Sp.	1	2022-2024
12	Dr. B. Kavitha Assistant Professor Department of Tamil	Challenges encountered in Tamil language learning and teaching by English medium students in government and private	0.2	2022-2023
13	Dr.R.Uma Maheswari Associate Professor Department of English	Capacity Building and Empowerment of underprivileged students in learning Communicative English	0.2	2022-2023
14	Ms.PL.Rani Assistant Professor Department of Social Work	Social Media usage among rural youth in Tiruchirappalli District	0.2	2022-2023
15	Dr.K.Kalaiarasi Assistant Professor Department of Mathematics	The Gamma Knife Plan for managing Cerebral Arteriovenous Malformation (Avm) using Fuzzy Clustering Approach	0.2	2022-2023
16	Dr. V. Geetha Associate Professor Department of Mathematics	A Study on Different Types of Fibonacci Labelling for some Families of Graphs	0.2	2022-2023
17	Dr.P.Shalini Associate Professor Department of Mathematics	A Study on Different Types of Pell Labelling for some families of graphs	0.2	2022-2023

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18	Dr. S. Saranya Assistant Professor Department of Chemistry	Organometallic Arene Ruthenium (II) Complexes: Anticancer and Apoptosis Induction Studies	0.2	2022-2023
19	Ms.R.Rita Jenifer Assistant Professor Department of Computer Science	Attack Specific Security Optimized RSA for IoT	0.2	2022-2023
20	Dr.A.R.Jasmine Begum Associate Professor Department of Information Technology	IoT based Home Automation using NODEMCU	0.2	2022-2023
21	Ms.R.Sridevi Assistant Professor Department of Computer Applications	Idiosyncratic Fuzzy Low – Energy Adaptive Clustering Hierarchy	0.2	2022-2023
22	Dr. K. Akila Assistant Professor Department of Computer Applications	An Enhancement of Quality of Service (Qos) In Internet of Things (Iot)	0.2	2022-2023
23	Ms.V.Yasodha Assistant Professor Department of Computer Applications	An efficient Context Aware energy and congestion aware cluster routing for internet of things	0.2	2022-2023
24	Ms.S.Fathima Assistant Professor Department of Food Service Management and dietetics	Development of Pumpkin seed based Peanut Butter	0.2	2022-2023



**CRITERION III****LIST OF FACULTIES RECEIVED SEED MONEY****2021-22**

S.No	Name of the teacher provided with seed money	Title of the Project	Amount of seed money (INR in Lakhs)	Duration
1	Dr V.Kavitha Associate Professor Department of Tamil	Covid-19 Thakkathinaal Inaiyavazhi Kattral Karpithalil Tiruchirappalli Palli Kalvi Niruvanangal Santhikkum Sikkalgal	0.1	2021-2022
2	Ms. P. K.Durgadevi, Assistant Professor Department of English	A Pragmatic Analysis of Behaviour and Linguistic Transformation of Cybernauts among College Students	0.1	2021-2022
3	Dr. A. Sivaranjani Associate Professor Department of Business Administration	Enhancing Tally Software Skills among Higher Secondary School Students Residing in Rural Areas	0.1	2021-2022
4	Dr. P. Banu Associate Professor Department of Commerce	Paradigm Shift to Digital Payment and its Impact on Spending Attitude among Working Women – A Pragmatic Analysis	0.1	2021-2022
5	Dr. S. Vidhya Associate Professor Department of Social work	Impact of Covid-19 on the Mental Health of College Students using Mixed Methodology	0.1	2021-2022
6	Dr. G. Janaki Associate Professor Department of Mathematics	A Strategy for obtaining Digital Signatures and Public Key	0.1	2021-2022

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		Cryptosystems Using Pell Equation with Kronecker Symbol		
7	Ms. J. Aarthi Assistant Professor Department of Physics	Synthesis and Characterisation of Bimetallic Oxide Based Nanocomposites	0.15	2021-2022
8	Dr. V. Sangu Assistant Professor Department of Chemistry	Plant Extract Mediated Synthesis of Magnesium Oxide Nano Catalyst for Sonalytic Degradation of Organic Dye in Industrial Wastewater	0.15	2021-2022
9	Dr. M. Keerthiga Assistant Professor Department of Biotechnology	Bioprospecting of Herbal Metal Nanoparticle Synthesised from Evolvulus Alsinoides Targeted Swamer Cells of Pathogenic Biofilm from Wound: A Nature Inspired Approach	0.15	2021-2022
10	Dr. S. Jeyabharathi Associate Professor Department of Microbiology	Comparative Studies on Mushrooms Cultivation using Composted Organic Wastes from College Hostel Kitchen	0.15	2021-2022
11	Ms. P. Muthulakshmi Assistant Professor Department of Computer Science	Prediction of Heart Disease using Ensemble Learning	0.1	2021-2022
12	Ms.M.Thangam Assistant Professor Department of Information Technology	A Framework to Classify Concept Drifts in Data Stream	0.1	2021-2022
13	Ms. T. Julie Mary Assistant Professor	Energy-Efficient Fault- Tolerant Routing Algorithm in	0.1	2021-2022



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	Department of Computer Applications	the Internet of Things		
14	Ms. S. Agalya Assistant Professor Department of Food Service Management and Dietetics	Impact of Covid-19 Pandemic on Household Food Security and Nutrition in Tiruchirappalli District	0.1	2021-2022
15	Dr. R. Subha Assistant Professor Department of Chemistry Entrepreneurial Development Cell	Development of Confectionary Innovation Through Edible Wafer Sheets	0.1	2021-2022