

# DEANERY OF PROJECTS



**(2017-2022)**

## **BISHOP HEBER COLLEGE (AUTONOMOUS)**

*(Affiliated to Bharathidasan University)*

*Nationally Reaccredited at the 'A' Grade by NAAC with a CGPA of 3.58 out of 4  
Recognized by UGC as 'College of Excellence'*

**Tiruchirappalli - 620 017**

## LIST OF PROGRAMMES ORGANIZED

Academic Year	Title of the Programme	Date
2022-2023	1.1 Awareness Programme on Intellectual Property Rights	27.01.2023
	1.2 Special Lecture on IPR and Patent Writing	29.11.2022
	1.3 Administrative Audit (2021-2022)	Jan 2023
	1.4 Management Funded Minor Research Project (Aided) Review Meeting	07.10.22
	1.5 Orientation Programme on Submission of Proposals to Govt. Agencies	29.07.2022
	1.6 Submission of Proposal to DST-FIST	18.07.2022
2021-2022	2.2 Call for submission of Management Funded Minor Research Project (Aided) – Presentation of proposal and budget, Scrutiny and Sanctioning	22.04.2022
	2.3 Webinar on Establishing Incubation and Start-ups	04.03.2022
	2.4 Administrative Audit	Jan-Feb 2022
	2.5 Submission of Proposal to Sophisticated Analytical and Technical Help Institutes (SATHI), Department of Science and Technology (DST)	10.12.2021
	4.6 Orientation Programme on Submission of Research Proposals to ICSSR	25.08.2021
2020-2021	3.2 Orientation Programme for Minor Project Holders (SF)	03.03.2021
	3.3 Orientation Programme on Submission of Proposal to DST-SERB	23.02.2021

## LIST OF MINOR/MAJOR RESEARCH PROJECTS/ CONFERENCE GRANT RECEIVED FROM GOVT. AGENCIES/ OTHER AGENCIES:

### DST FIST

### DBT - STAR COLLEGE SCHEME

### WAPCOS

### (A Government of India Undertaking)-Ministry of Jal Shakti

Sl. No	Name of the Project	No. of Project	Amount Sanctioned (Rs.)
1	Environment and Social Impact Assessment(ESIA) and Preparation of	1	5,10,000

Sl.No.	Plan Period	Ref. No.	Departments	Approved Amount	Sanctioned Amount
1	2016-2021	No.SR/FST/ College- 293/2015©	Maths, Physics, Chemistry, Botany, & Zoology	1,00,00,000	82,50,000

S.No.	Plan Period	Ref.No.	Departments	Approved Amount (Rs.)	Sanctioned Amount (Rs.)
1	12.7.2016 to 11.7.2019	No.BT/HRD /11/03/2016	Maths, Physics, Chemistry, Botany, & Zoology	58,00,000	45,48,172

	Environment Social Management Plan (ESMP)			
2	Environment and Social Impact Assessment study for Formation of Flood Carrier Canal from Cauvery (Kattalai) to South Vellar River to divert the flood water for sustaining drinking water needs and recharging ground water in the drought prone areas of Karur, Trichy and Pudukottai Districts.		1	5,02,000
3	Environment Impact Assessment/Environment Social		1	11,52,900

	Management Plan Studies for Nadanthaai Vaazhi Cauvery Project.		
4	Collection of Sewages from River Cauvery and its Tributaries and banding over the same to Tamil Nadu Agricultural University Coimbatore.	1	1,01,200

**United Board for Christian Higher Education in India, Hong Kong**

Sl. No	Year	Faculty Name	Title of the Project	Amount Sanctioned by UB (Rs.)
1	April 2015 to March 2017	Dr.A.Umesh Samuel	Recent Trends In Research: An Interdisciplinary Approach	9,06,189
2	2016-17	Dr. Isaiah Samuel Raj	Institutionalizing Office Of Advancement in Bishop Heber College ("Deliver Distinction with Excellence")	5,21,543
3	June 2018 to July 2020	Dr.A.Umesh Samuel	"Academic and Administrative Audit in Pursuit of Excellence in Higher Education	7,83,770
4	June 2019 to July 2020	Dr. Princy Merlin J	"Science through Inquiry & Research (Stir) - A Program for Curriculum Design & Transaction"	6,20,447
5	October 2017 to September 2018	Dr.D.Muthuselvam, Assistant Professor, Dept. of Botany	Nodal center for entrepreneurship skill development in mushroom cultivation for College students.	2,89,492

DST - MAJOR RESEARCH PROJECT (Completed)

S. No.	Name of P.I. & Co.I	Title of the Project	Plan period	Amount (Rs.)	
				Sanctioned	Received
1.	Dr.K.Vijayalakshmi	Fabrication of highly sensitive nanocomposited MnO <sub>2</sub> /CNTs based sensors for the detection of H <sub>2</sub> O <sub>2</sub> in milk	2014-2017	39,82,495	39,82,495

2.	<b>Dr.S.Kamalakannan</b>	Obesogens mediated delineation of mesenchymal stromal stem cells (MSCs) into adipocyte lineage through Wnt and BMP signalling: a clue for pollutant induced obesity	2014-2017	<b>22,00,000</b>	29,11,292
3.	<b>Dr. T.Kanna</b>	Nonlinear Matter Waves in Multicomponent Bose-Einstein Condensates	2016-2019	<b>24,75,371</b>	
4.	<b>Mrs. A.Bella</b>	Designing Benzothiazoles and Oxadiazoles through Synthesis and DFT -TDDFT Studies for Better OLED Applications	2017-2020	<b>20,30,562</b>	20,30,562
5.	<b>Dr.J.Lakshmi Praba</b>	Pd (II) mediated C-H activation of multidentate Schiff bases: Syntheses, characterization and oxidative C-C coupling reaction	2018-2021	<b>29,29,549</b>	29,20,549
6.	<b>Dr. T.Kanna</b>	Multicomponent Solitons in Nonlinear Optics	2010-2014	<b>6,80,900</b>	
7.	<b>Dr. T.Kanna</b>	Shape Changing Collision of Optical Solitons and its Application in Optical Computing and Quantum Computing	2006 -2009	2,38,000	2,38,000

UGC - MAJOR RESEARCH PROJECT (Completed)

S. No.	Name of P.I. & Co.I	Title of the Project	Plan Period	Amount	
				Sanctioned	Received
1	<b>Dr.K.Vijayalakshmi</b>	Quantum confinement effect of nanostructured Magnesium doped Zinc oxide thin films for enhanced hydrogen sensing applications	2011-2014	11,86,240	11,04,496
2	<b>Dr. C. Ravidhas</b>	Development of FTO/N-implanted TiO <sub>2</sub> window layer for large area stacked Cu (in Ga) Se <sub>2</sub> /Mo/Glass-based thin film splar cells	2013-2017	11,25,800	8,17,709

3	<b>Dr.V. Dhayabaran</b> Violet	Synthesis and characterization of mixed lig and nano metal complexes and their inter alative study with biomolecules	2013-2017	8,20,800	4,59,300
4	<b>Dr.R.Vijayarani</b>	Women in Tamil Tele-Serials (Drama): Reality and Illusion	2013-2015	7,84,600	4,91,600
5	<b>Dr.M.Rajasekaran</b>	Postmodern Society Found in Contemporary Tamil Fictions	2013-2015	8,84,600	5,41,600
6	<b>Dr. J. Goodwin Prem Singh</b>	Psycho Social Perspectives on Support for Differently abled children in regular stream of Education at Tiruchirappalli District- An Empirical Study	2015-2018	10,25,400	5,68,400

UGC - Minor RESEARCH PROJECT (Completed)

Sl. No	Name of P.I. & Co.I	Title of the Project	Plan Period		Amount	
			From	To	Sanctioned	Received
1	<b>Dr. K. Prem kumar</b>	Portrayal of Women Character in Tamil Film - ITS Demerits	2009-10	2010-11	95,000.00	82,500.00
2	<b>Mrs.T. Nalini</b>	Study of Some Bio-Materials as Effective Adsorbents for the Removal of Heavy Metals from Industrial Effluents	2009-10	2010-11	145,000.00	110,000.00
3	<b>Dr. J. Goodwin Prem Singh</b>	A Discriptive Study on the Living Condition and Problems of Shelter Less Children at Tiruchirappalli District	2008-09	2009-10	150,000.00	120,200.00
4	<b>Dr. C. Ravidhas</b>	Preparation and Characterzation of Lithiumetraborate Li <sub>2</sub>	2008-09	2009-10	100,000.00	75,000.00

		B4 07 Nano thin film for NLO Application				
5	<b>Dr. K. Vijaayalakshmi</b>	Development of Nano Structured Indium Tin Oxide Film for Gas Sensor	2010-11	2011-12	80,000.00	69,920.00
6	<b>Dr. C. Sebastian Rajasekaran</b>	A Taxonomic Distribution Survey on Sacred Groves of Eastern Ghats at Pachamalai Hills in Tamil Nadu India	2011-12	2012-13	80,000.00	42,500.00
7	<b>Dr. Shameela Rajam</b>	Synthesis Characterization and Biological Activities of Novel Organic compounds	2011-12	2012-13	180,000.00	115,000.00
8	<b>Dr.M.B.Jessieraj</b>	Studies on the Crystal Size Reduction and Prevention of Renal Kidney Stone using Natural Crystal Inhibitor	2013-14	2014-15	195,000.00	155,000.00
9	<b>Mrs.K.Akila</b>	Mutation Annotation Peptide Designing and Targeting of V715 Position in PBI Protein of Infuenza a Virus	2013-14	2014-15	190,000.00	175,000.00
10	<b>Mrs.R.Sharmila</b>	In Vitro Production of an Anticancer Drug Androgra Pholide From Andrographis Paniculata	2013-14	2014-15	200,000.00	130,000.00

11	<b>Dr. Muruganandham G.P.</b>	Than Varalarthu Illakkiya Druvakkamum Samuga Thevaiyum	2014-15	2015-16	200,000.00	165,000.00
12	<b>Dr. M. Jothilakshmi</b>	Aga Elakkanangalil Marabum Maattramum	2014-15	2015-16	215,000.00	172,500.00
13	<b>Dr. J. Aruna</b>	Focusing of Women in Tamil Print Media-A Study	2014-15	2015-16	180,000.00	130,000.00
14	<b>Dr. C. Naveen Kumar</b>	A Study of Problems of the Juveniles in short Stories of Post 2000 AD	2014-15	2015-16	200,000.00	155,000.00
15	<b>Dr. A. Mary Immaculate</b>	Hindu Christhuva Samayangalil Pen Deiva Vazhipadu	2014-15	2015-16	200,000.00	165,000.00
16	<b>Dr. V. Meenakshi</b>	Gender Inequality in Recent Tamil Novels By Women	2014-15	2015-16	160,000.00	130,000.00
17	<b>Dr. P. Krishnamoorthi</b>	Pandaya Tamil Ilakkiyangalil Thuravum Thuraviyum	2014-15	2015-16	170,000.00	135,000.00
18	<b>Dr. Michael David Premkumar</b>	A Study on Various Strategies of Improving the Life Insurance Penetration in Rural Villages of India	2014-15	2015-16	120,000.00	75,000.00
19	<b>Mrs. K.C. Mercy Gnana Malar</b>	Simultaneous Sensing and Detection of Glucose and Bio- Hydrogen Using Nanostructure Copper Oxide Electrodes	2014-15	2015-16	390,000.00	345,000.00
20	<b>Mrs. C. Indumathi</b>	Ethylenediaminium Nitrophenolate Based Novel Nlo Materials for Frequency Conversion	2014-15	2015-16	315,000.00	262,500.00



		and Optical Limiting Application				
21	<b>Mrs. H. Sirajunisha</b>	Synthesis and Characterisation of Hydroxyapatite a ND Zinc Doped Hydroxyapatite Nani Powders for Bone Implant Applications	2014-15	2015-16	265,000.00	212,500.00
22	<b>Mrs. F. Daisy Selasteen</b>	Growth and Characterisation of Transition Metal OX IDE Single Crystals	2014-15	2015-16	300,000.00	255,000.00
23	<b>Dr. S. Franklin</b>	Structural, Optical, Mechanical and Thermal Elucidation of Some Organic and Semi-Organic Single Crystals for Optoelectronic Application	2014-15	2015-16	270,000.00	190,000.00
24	<b>Mr.M.Sasi kumar</b>	Design of Nand Composite Polymer Electrolytes for LI Ion Battery Application	2014-15	2015-16	400,000.00	330,000.00
25	<b>Dr. F. Carter Prem Raj</b>	Factors Affecting Compliance to Antiretroviral therapy (ART) Among People Living with HIV/AIDS in Tiruchirappali	2014-15	2015-16	235,000.00	167,500.00
26	<b>Dr. Deniel Solomon</b>	A Study on Job Involvement and Work Stress Experienced by the Employees in Private Sectors	2014-15	2015-16	180,000.00	140,000.00

27	<b>Dr. D. Fennala Agnes Iylin</b>	Entrepreneurs with Disabilities an Impact Study in Tiruchirappalli and Chennai	2014-15	2015-16	70,000.00	47,500.00
28	<b>Dr. K. Muthulakshmi</b>	A Study on the Marketing Mix components of Life Insurance Corporation of India With Special Reference To Tiruchirappalli and Chennai	2014-15	2015-16	60,000.00	40,000.00
29	<b>Dr. A. Ravikumar</b>	Impact of Amma Programs in Tamil Nadu	2014-15	2015-16	70,000.00	45,000.00
30	<b>Mr.V.Franklin</b>	Numerical Methods for Solving Singularly Perturbed Differential Equations Arising in Financial Mathematics	2014-15	2015-16	200,000.00	160,000.00
31	<b>Ms. A. Devi</b>	Probability Analysis on Time to Recruitment for a Single Grade Manpower System with Different Epochs for Decision and Exits	2014-15	2015-16	150,000.00	120,000.00
32	<b>Dr. M. Paramasivam</b>	Numerical Solutions to Singularly Perturbed Boundary Value Problems for Systems of Semi-Linear Differential Equations of Reactions-Diffusion Type	2014-15	2015-16	180,000.00	150,000.00
33	<b>Mrs. R. Gethsi Sharmila</b>	Runge-Kutta Method Based on Variety of	2014-15	2015-16	195,000.00	155,000.00

		Means for Fuzzy and Hybrid Fuzzy Initial Value Problems				
34	<b>Mr. J. Christy Kingstion</b>	Fuzzy Differential Equations	2014-15	2015-16	135,000.00	105,000.00
35	<b>Dr. K. Meena Kumari</b>	Anti Microbial Screening of Cassia Fistula Linn. Plant Parts	2014-15	2015-16	500,000.00	385,000.00
36	<b>Mr. K. Jeremiah Kirubananth</b>	Estrus Specific Signals and Their Carrier Protein (S) In The Vaginal Fluid of Female Goat (Capra Hircus): An Innovative Approach in Livestock Improvement	2014-15	2015-16	495,000.00	340,000.00
37	<b>Dr. S. Kamalakannan</b>	Detection of Ovulatory Markers In the Saliva of Kangayam Breed Cattle (Bos Indicus)L An Innovative Technology In Livestock Production	2014-15	2015-16	460,000.00	340,000.00
38	<b>Mr. J. Dinesh Raja</b>	Biodiversity Conservation and Plant Biotechnology	2014-15	2015-16	245,000.00	155,000.00
39	<b>Dr. K. Kaviarasu</b>	Teaching English for the Esl Students of Higher Education Through English Movies	2014-15	2015-16	270,000.00	210,000.00
40	<b>Dr. R. Buela Thavamani Rani Esther</b>	Evaluation of the Antioxidant Property of Substituted Phenolic Ketones Using Electro chemical Methods	2014-15	2015-16	190,000.00	125,000.00

41	<b>Mr. S. Sathiyar</b>	Nano Modified Electrochemical Sensors for Biologically Significant Antioxidants	2014-15	2015-16	297,000.00	253,500.00
42	<b>Mrs. M. Kasthuri</b>	Language Independent Stemmer	2014-15	2015-16	60,000.00	45,000.00
43	<b>Mrs. M. Rajadurai</b>	A Medical Plant Database used for the Treatment of Cardiovascular Diseases in Malayalis Community in Pachamalai Hills and In Silico Drug Designing for Low-Density Lipoprotein (LDL)	2014-15	2015-16	225,000.00	187,500.00
44	<b>Mr.C.Balamuralikrishnan</b>	Technophilism or Technophobia: A Study of Select Short Stories of Isaac Asimov	2016-17	2017-18	140,000.00	117,500.00
45	<b>Mr.S.Anand Arul Das</b>	A Study on Relation among Managerial Ownership, Leverage and Dividend Policy in Selected Indian Companies	2016-17	2017-18	260,000.00	210,000.00
46	<b>Dr.H.Esther Rani</b>	Micro Finance and Women Empowerment in Tiruchirappalli District	2016-17	2017-18	110,000.00	67,500.00
47	<b>Mrs.E.Thelma</b>	Urbanisation and Women Development in Tiruchirappalli District	2016-17	2017-18	110,000.00	67,500.00

48	<b>Dr.J.Christy Ezhilarasi</b>	Quality of Life among apartment dwellers in Tiruchirappalli Municipal Corporation	2016-17	2017-18	250,000.00	195,000.00
49	<b>Dr.M.Francklin Philips</b>	Opto-Electronic Characterization of flavonoid-polymer nano composites for Bio-Chemical sensors and solar cells	2016-17	2017-18	400,000.00	354,500.00
50	<b>Mr.B.Karthikeyan</b>	Novel Fe3O4@poly (2-aminothiophenol) grafted-multiwalled carbon nanotube core/shell nanocomposite for the detection of heavy metals	2016-17	2017-18	110,000.00	75,000.00
51	<b>Mr.A.Sandanasamy</b>	Diversity- Scientific documentation-need-process and importance of life butterflies in Trichy District- Tamil Nadu- India	2016-17	2017-18	70,000.00	55,000.00
52	<b>Ms.C.Cynthia</b>	High level Security with Optimal Time for MANET Routing	2016-17	2017-18	220,000.00	160,000.00
53	<b>Mr.R.Selvaraj</b>	Digital Preservation of Publications in Bishop Heber College	2016-17	2017-18	120,000.00	115,000.00
54	<b>Mr.Y.Franklin Gnanaiah</b>	Digital Preservation of Publications in Bishop Heber College	2016-17	2017-18	279,000.00	241,500.00
55	<b>Dr.B.Arunkumar</b>	Library Automation and Networking in Higher	2016-17	2017-18	150,000.00	115,000.00

		Educational Institutions in Tamil Nadu: A study				
56	<b>Mr.V.Franklin David Jebaraj</b>	A Study on Modified National Insurance Scheme Reach among Farmers and to check whether the Scheme is Useful to the farmers	2016-17	2017-18	120,000.00	90,000.00
57	<b>Mr.J.Nesarajan</b>	Conservation of Medicinally Important Endangered Plants in Southern part of Western Ghats (Tamil Nadu) Through Invitro Regeneration.	2016-17	2017-18	385,000.00	210,000.00

