



Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE -577 006

Approved by AICTE, New Delhi, and Govt. of Karnataka|Affiliated to VTU Belagavi|Accredited by NAAC|An ISO 9001:2015 Certified Institution

Department of BIOTECHNOLOGY

Phone: +91 8192 233345/233377/252777, Extn.: 151, Mobile: 9448588792 E-Mail: med@gmit.ac.in



List of KSCST Funded Projects

Sl No	Academic Year	Title of the Project	Guide Name	Sanctioned Amount(₹)
1.	2006-07	Optimization of methane production from high TDS distilleries spent wash and design of the reactor for the process	Mrs. Hemalatha M	4000
2.	2006-07	Production and Optimization of ethanol from Date syrup	Dr. Basavaraj B	4000
3.	2006-07	Bio-composites from crop fibres and resins KSCST	Dr. Basavaraj	4000
4.	2007-08	Optimisation of Methane Production from High TDS Distillery Spent wash and Design of the Reactor for the Process	Dr. B T Patil	6000
5.	2012-13	Evaluation of Antioxidant and Antimicrobial Activity of Leaves and Fruits of <i>Muntigia calabura</i>	Ms. Thriveni T. G and Dr. Paramesha M	5000
6.	2013-14	Production of Microbial oil by Oleaginous Algae using Agro Industrial Waste Water (Effluent)	Dr. H Gurumurthy	10000
7.	2013-14	“Invitro Evaluation of Botanicals and Biocontrol against Pomegranate Bacterial Blight Pathogen”	Dr. Seema J Patel	5500
8.	2013-14	Designing Multifunctional Materials for Drug Delivery, Contrast Agents for Fluorescence Imaging and Invitro Studies	Ms. Thriveni T G	5500
9.	2014-15	“Comparative Genomic, Proteomic and Phylogentic Analysis of Different Tuberculosis Strains”	Dr. H. Gurumurthy	6000
10.	2016-17	Biofuel Production and Biosorption in Industrial Waste Water Using Microalgae”.	Dr. H. Gurumurthy	10000
11.	2016-17	“Evaluation of Phytochemical Biochemical and Antioxidant	Dr. Moorthi S	6000



Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE -577 006

Approved by AICTE, New Delhi, and Govt. of Karnataka | Affiliated to VTU Belagavi | Accredited by NAAC | An ISO 9001:2015 Certified Institution



Department of BIOTECHNOLOGY

Phone: +91 8192 233345/233377/252777, Extn.: 151, Mobile: 9448588792 E-Mail: med@gmit.ac.in



		Property from Ethanolic Extract of <i>Amaranthus spinosus</i> "		
12.	2018-19	Biogas Recovery and Generation of Electricity from Landfillpharmaceutical Waste(Lpw)"	Mr Rakesh N R	7000
10	2018-19	"Vermicomposting and Production of Bio-Ethanol Using Press Mud and Molasses from Sugar Industry"	Dr. H. Gurumurthy.	7000
11	2019-20	<i>Lignocellulose</i> rich bio-compost for the production of thermostable enzymes"	Dr.Gurumurthy D M	5500
12	2020-21	Extraction of anti-odour compound from Arabidopsis thaliana and treating foul smell in recycled sewage water ³	Dr.Gurumurthy H	7000
13	2020-21	Production and commercialization of EL from Sugarcane bagasse	Dr. Gurumurthy DM	7000
14	2020-21	Molecular characterization of plant growth promoting bacteria isolated from the rhizosphere of Areca catechu L. plantation	Dr. Pavan K J	7000
15	2021-22	DEVISING OF ORGANIC ECO-FRIENDLY COMPOST FERTILIZER FOR VALUE ADDED CROPS	Dr.Gurumurthy H	8000
16	2021-22	EXTRACTION AND EVALUATION OF BIOCONTROL AGENT FOR PLANT BIOTIC STRESS	Dr.Prakash K K Dr.Pavan K J	8000
17	2021-22	HYDROPONICS PLANT CULTIVATION USING ORGANIC NUTRIENTS FROM BIO WASTE	Dr.Pavan K J Mrs.Keerthi S	6000
Total Amount(One Lakh Twenty Eight Thousand Rs)				1,28,500/-



Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE -577 006

Approved by AICTE, New Delhi, and Govt. of Karnataka | Affiliated to VTU Belagavi | Accredited by NAAC | An ISO 9001:2015 Certified Institution

Department of BIOTECHNOLOGY

Phone: +91 8192 233345/233377/252777, Extn.: 151, Mobile: 9448588792 E-Mail: med@gmit.ac.in



NBA
NATIONAL BOARD OF ACCREDITATION
Accredited Programs
CSE/ECE/CE/ME



List of VTU Funded Projects

Sl No	Academic Year	Title of the Project	Guide Name	Sanctioned Amount(₹)
1.	2018-2019	Biodegradable plastics – a waste reduction	Mrs. Keerthi S	5000/-
2.	2018-2019	Biosynthesis and characterization of iron nano particles using Curcuma longa and zingiber officinale rhizome extract for removal of phosphate from water	Mr.Sachin C L	5000/-
3.	2019-20	PREPARATION OF ANTI-DIABETIC MOMORDICA CHARATIN (BITTERGOURD) CHOCOLATE – (AVISHKAR-TEQIP SCHEME).	Dr.Prakash K K	5000/-
4.	2019-20	Analysis of Pharmaceuticals properties of various compounds from Musa Geneara for the drug development process	Mr.Rakesh N R	5000/-
5.	2019-20	Production and Optimization of high strength composite Biodegradable plastics	Mr.Sachin C L	5000/-
6.	2020-2021	Probiotics for cholesterol Assimilation	Mrs.Deepti Palleda	5000/-
7.	2020-2021	Chitosin and Banana pseudostem composite in antimicrobial food packaging application	Mr.Rakesh N R	5000/-
8.	2021-22	Optimization of extraction process to obtain omega 3 fatty acids from fish oil and to develop bio diesel from waste oil.	Mr.Prakash K K	8,00000/-
Total Amount: Eight Lakh Three Thousand Five Hundred Rs				803500/-

GM INSTITUTE OF TECHNOLOGY, DAVANGERE

Department of BIOTECHNOLOGY

Patent Details

SI No	Name of the Faculty	Department	Title of the Invention	Application No:	Category	Year of filling	Application Current Status	Remarks (Pl Provide the proper information)
1	Dr.Prakash K K	Biotechnology	An artificial Intelligence based real time drowsiness detection system	2020102320	Indian	20-09-2020	Application Published	Published
2	Dr.Prakash K K	Biotechnology	IAIP-Interactive Business Data: Interactive Intelligent Business Data Visualization Using AI-Based Programming	202011041959	Indian	06-10-020	Application Published	Published
3	Dr.Prakash K K	Biotechnology	IBAM-Mineral Water Quality Testing System: IoT-Based Automatic Mineral Water Quality Testing and Management System.	202041051636 A	Indian	11-12-020	Application Published	Published
4	Dr.Gurumurthy H	Biotechnology	“A Single Window Documentation Procedure for Multiple Assessment and Appraisal Requirements”	202041029920 A	Indian	13/11/2020	Application Published	Published

5	Dr.Gurumurthy H	Biotechnology	An Antioxidant Compound Extracted from Roots Mangifera indica Var. Rasapuri	202141007062 A	Indian	26/02/2021	Application Published	Published
6	Dr.Gurumurthy H	Biotechnology	Ofom Formulations As The Soil-Free Medium In Burgeon Plants Cultivation	2021613457890	Indian	2021/01/04	Application Published	Published
7	Deepthi Palleda	Biotechnology	A System and Method for an Artificial Intelligence based Automatic Adjustable user Comport seat for Two Wheelers	202141031659	Indian	14/07/2021	Application Published	Published
8	Rakesh N R	Biotechnology	Regulatory of Ecosystem Service Research Trends Andmethodological Approaches for Undervalued Services	202141008393	Indian	28-02-021	Application Published	Published
9	Dr. Pavan K J	Biotechnology	IBAM-Mineral Water Quality Testing System: IoT-Based Automatic Mineral Water Quality Testing and Management System	202041051636 A	Indian	11-12-020	Application Published	Published
10	Dr. Pavan K J	Biotechnology	Enhanced storage Method of Gravitational Energy to manage Renewable Resources.	202141000258 A	Indian	04-01-021	Application Published	Published

GM INSTITUTE OF TECHNOLOGY, DAVANGERE
Department of BIOTECHNOLOGY

Department Research details

1. Total number of Patents: **10**
2. Total number of Publication till date: **79**
3. Total number of Text Books: **06**
4. Total number of Book Chapters: **04**
5. Total number of Major Research Grants: **02**
 1. DRDO-LSRB: **9,17,000.00**
 2. VTU: **Rs.8,00000.00**
6. Total number of Student Research projects sanctioned by KSCST: **16**

Total Grant Amount by KSCST: **Rs.1.09,000.00**
7. Total Research Grant by major projects and minor student's projects: **Rs.18,26,000.00**