

B.N.M. Institute of Technology

An Autonomous Institution under VTU

Funding & Consultancy

Artificial Intelligence and Machine Learning

Sl. No.	Name of PI	Co-PI Names if any	Project Title	Name of the Funding Agency	Duration of the project	Amount (Lacs)
2025-26						
1	Mr. Mohanesh B M	NA	Altogether-From Code-Switching to Community Matching	KSCST 2026	6 months	0.045
2	Mrs. Kavya M S	Mrs. Abhilasha P Kumar	Blindmate- An Assistive Guidance System	KSCST 2026	6 months	0.045
3	Dr. Mahantesha U	NA	Smart AI Helmet	SRPP 2026 under IEI	6 months	0.03
4	Mrs. Pankaja R	NA	SmartAyush:AI-Powered Traditional wellness Assistgant	SRPP 2026 under IEI	6 months	0.03
Amount received (Rs.) 0.15 Lakhs						
2024-25						
1	Dr. Divya Shree B A	NA	Clean Stream, AI Driven waste water detection and classification for automated	KSCST 2025	6 months	0.055

			water body cleaning			
2	Dr. Tejaswini R Murgod	NA	Fresh AI, Optimized Fruit Quality Prediction with GANs and computer vision	KSCST 2025	6 months	0.06
3	Dr. Nagarathna C R	NA	Trach Watch, Drone surveillance for safer railways	KSCST 2025	6 months	0.08
4	Dr. Halaharvi Keerthi	Pavithra H C	Jalswarm, Autonomous water waste collection and disposal using AI powered swarm robots	KSCST 2025	6 months	0.055
5	Dr. Nagarathna C R	NA	Data Science Session on Snowflake with LTI Mindtree, IEEE Event	IEEE CIS	1 Year	0.05
Amount received (Rs.) 0.31 Lakhs						
2023-24						
1	Dr. Sheba Selvam	Dr. Tejaswini R Murgod	IBM Watsonx Generative AI Faculty Award	IBM	3 Years	8.3
2	Dr. Sheba Selvam	Dr. Sunitha R, Dr. VijayaShree L	Fire drill Procedure in VR	NewGen IEDC sponsored by NSTED, DST	6 months	2.5
3	Dr. Sheba Selvam	Dr. Sunitha R, Dr. VijayaShree L	Plant Simulator	NewGen IEDC sponsored by NSTED, DST	6 months	2.5
4	Dr. Sheba Selvam	Dr. VijayaShree L, Dr. Venkatesh K	ARVR 3rd Phase Induction Motor and Synchronous Generator	Ray Vector Technologies Pvt Ltd	6 months	2.5
5	Dr. Sunitha R	NA	Medicinal Leaf Detection	NewGen IEDC sponsored by NSTED, DST	6 months	0.09255
6	Dr. Sunitha R	NA	Smart Attendance System	NewGen IEDC sponsored by NSTED, DST	6 months	0.11405

7	Dr. Sunitha R	NA	Voice based Chatbot	NewGen IEDC sponsored by NSTED, DST	6 months	0.09385
Amount received (Rs.) 16.09 Lakhs						
Total Amount (Lacs) Received for the Past 3 Years 16.55 Lakhs						

Seed Money/Internal Research Grant

Sl.No.	Faculty Name	Project Title	Duration	Amount (Lacs)
CAY 2025-26				
1	Dr. Sheba Selvam Dr. Sunitha R	A Smart Multi Access Emergency Vehicle	6 months	1.00
2	Pavithra H C Abhilasha P Kumar	Sense Calm: Stress Monitoring and Detection using a Wearable Device	6 months	1.025
Amount received (Rs.) 2.025 Lakhs				
CAY 2024-25				
1	Kruthi P	1) Chess Game Training 2) Dam Build and Simulation 3) Roller-Coaster Experience 4) The Lost Firefly 5) Life Cycle of a Frog 6) Time Lapse Growth Animation	6 months	1.24
Amount received (Rs.) 1.24 Lakhs				

CAY 2023-24				
1	Dr. Mahantesha U	KRIA	6 months	0.25
Amount received (Rs.) 0.25 Lakhs				
Total Amount (Lacs) Received for the Past 3 Years 3.515 Lakhs				

Consultancy Details

Sl. No.	Name of the Faculty	Project Title	Name of the agency	Duration of the project	Amount (Lacs)
2023-24					
1	Dr. Mahantesha U	SIC Program Training	Samsung PRISM	33 Hours	0.66
2	Dr. Mahantesha U	Create ASN Decoder after Parsing 38.331 and 36.331	Samsung PRISM	6 Months	0.17
3	Dr. Nagarathna C R	SIC Program Training	Samsung PRISM	11 Hours	0.22
Amount received (Rs.) 1.05 Lakhs					
Total amount (Lacs) received for the past 3 years 1.05 Lakhs					

Department of Mechanical Engineering

A. List of funded Projects

Sl. No.	PI name	Co-PI names if any	Name of the Dept where Project is sanctioned	Project title*	Name of the Funding Agency	Duration of the project	Amount (Lacs)
2022-2023							
1	Dr. B S AnilKumar Dr.Kumaraswamy H S	Bhuvan J Samarth S Surya RS Vaibhav K Rao	Mechanical	Design and Development of Solar powered refrigerated cart using compressor	NewGen IEDC	1 year	1.36
2	Dr. D Shivalingappa	Aditya Rai Akash B M Dharmendar L Yuga Chandrashekhar	Mechanical	Development of a robot to collect oil from ocean surface	NewGen IEDC	1 year	0.32
3	Dr. Raghavendra N	Ashish Raj D Ganesh Rathod Likith N Swamy Venkatesh CV	Mechanical	Design and Fabrication of Regenerative foldable E-Bike	NewGen IEDC	1 year	0.39
4	Dr.Prathibha B S Ms.Shwethashree	Mohammed Faizan Monish V Zabiulla Khan Nandan Kumar P	Mechanical	Automobile Exhaust Purification Device	NewGen IEDC	1 year	0.80

Department of Computer Science and Engineering

S.N.	PI name	Co-PI names if any	Name of the Dept where Project is sanctioned	Project title*	Name of the Funding Agency	Duration of the project	Amount (Lacs)
CAYm1 (2025-2026)							
1	Dr.Anitha N	Dr. Geetha S Dr.Chayadevi M L	CSE	An AI-Based Predictive Model for Early Detection of Chronic Kidney Disease in Obese and Hypertensive Patients Using Biochemical Markers	Eurofins IT Solutions India Pvt. Ltd	July 2025-Jun 2026	5,90,000
2	Dr. Revanasiddappa	Dr. Deepak D J Dr. Manjunatha S Dr. Chetan R Dr. Amith Shekhar C Dr. Karthik S	CSE	Based Agriculture Yield Prediction and Crop Monitoring System	Eurofins IT Solutions India Pvt. Ltd	July 2025-Jun 2026	22,32,000
3	Dr. Chayadevi M. L	Ms. Ankitha K S	CSE	Automated Green House Monitor System	KSCST	July 2025-Jun 2026	5,000
4	Dr. Chaitra M	Vishnu Priya (1BG22CS185) Sanjana Murthy (1BG22CS140)	CSE	She Safe: An AI-Powered Hybrid System for Women's Safety	KSCST	July 2025-Jun 2026	3,000
5	Dr. Revanasiddappa Bandi	Mr. B. S Sagarvir Mr. Aniketh G.V.	CSE	Farm2Market: A Smart Contract	KSCST	July 2025-Jun 2026	4000

		Mr. Aravind K. V		Driven Market Place for Farmers			
Amount received (Rs.)							28,34,000
CAYm2 (2024-2025)							
1	Dr. Chaitra M	TANISHA A, SANKEERTHANA B, YASHAS E SANKOL	CSE	AI - POWERED DEEP LEARNING FOR BANANA LEAF SPOT DETECTION AND FARMER FRIENDLY MOBILE MANAGEMENT	KSCST	July 2024-Jun 2025	3,500
2	Dr. Anitha N	Sahit S (1BG21CS65) Vaishnavi S (1BG21CS107	CSE	KCET PREPARATION APPLICATION	KSCST	July 2024-Jun 2025	4,000
3	Prof. Pallavi C. V	Mr. CHIRAG G SHETTY Mr. SHREYAS Y M Mr. SRUJAN RAGHAVENDRA S	CSE	UFOOD - PLATFORM FOR ORDERING CUSTOMIZED FOOD ONLINE AND AUTOMATED COOKING PROCESS	KSCST	July 2024-Jun 2025	4,500
4	Dr. Geetha S.	Divij P (1BG21CS030) Pranav K M	CSE	CONTEXT-AWARE LLM OPTIMIZATION	KSCST	July 2024-Jun 2025	2,000

		(1BG21CS053) Abhishek Paul P (1BG22CS400)		USING DOMAIN-SPECIFIC FINE-TUNING FOR INDUSTRIAL APPLICATIONS			
Amount received (Rs.)							14,000
CAYm3 (2023-2024)							
1	Rajani Shree M	-	CSE	Nano Tree Street Lighting System	DST-IEDC	Jul 2023-June 2024	10,000
2	Dr. Raghavendra C K		CSE	AICTE – SPICES	AICTE	July 2023-Jun 2024	1,00,000
3	Dr. Chayadevi M L	-	CSE	Automated Water Reading	DST-IEDC	Jul 2023-June 2024	15,000
Amount received (Rs.)							1,25,000
Total Amount (Lacs) Received for the Past 3 Years							29,73,000

C. Consultancy work

D. CAYm1 (2025-2026)							
S.N.	PI name	Co-PI names if any	Name of the Dept where Project is sanctioned	Project title*	Name of the Funding Agency	Duration of the project	Amount (Lacs)
1	Dr. Geetha S	Dr. Chayadevi M L	CSE	PU Board Website Design	Bangalore South District PUC College Principals Association	2025-2026	72,916
2	Dr. Kavitha Jayaram	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 67,500	67,500
3	Prof. Aashitha L. Shamma	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 36,000	36,000
4	Dr. Santhosh Reddy	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 33,750	33,750
5	Dr. Deepak J	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 42,750	42,750

6	Dr. Akshitha Katkeri	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 54,000	54,000
7	Dr. Chaitra M	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 45,000	45,000
8	Dr. Rajanishree M	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 38,250	38,250
9	Dr. Karthik S	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 36,000	36,000
10	Ashwini H. S	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 19,250	19,250
11	Shwetha N	-	CSE	Samsung SIC Course on AI & IOT	Samsung SIC	2025-2026 19,000	19,000
13	Dr.Rajanishree M	-	CSE	Course on GenAI	IHMR	2025-2026	10,000
12	Yashwanth S	-	CSE	Samsung SIC Course	Samsung SIC	2025-2026 4,500	4,500

				on AI & IOT			
Amount received (Rs.)							4,78,916
CAYm2 (2024-2025)							
1	Dr. Chayadevi M.L Dr. Santosh Reddy Prof. Mona K	-	CSE		Infocon International Pvt Ltd	2024-2025	2,36,000
2	Dr. Chayadevi M L Dr. Swetha M D	-	CSE	Samsung Prism worklet	Samsung R & D Institute India- Bangalore Pvt Ltd	2024-2025	86,400
2	Dr. Rajani Shree M	-	CSE		Indian Institute of Health Management Research (IIHMR)	2024-2025	10,000
3	Dr. Kavitha Jayaram	-	CSE		SigGraph Club	2024-2025	1,00,000
Amount received (Rs.)							4,32,400
CAYm3 (2023-2024)							
1	Dr. Raghavendra C K		CSE		Samsung Innovation Campus	2023- 2024	82,000

Department of Information Science and Engineering

Sl. No.	Name of PI	Co-PI Names if any	Project Title	Name of the Funding Agency	Duration of the project	Amount (Lacs)
2025-26						
1	Dr. S.Srividhya	Dr. Saritha Chakrasali	Artificial intelligence for self-driving cars	ATAL-AICTE	21st to 26th July 2025	Rs. 3,50,000/-
2	Prof. Rashmi T V	-	AI Resistant Video Captcha System	Karnataka State Council for Science and Technology	2025-2026	Rs. 4,000/-
3	Dr. Laxmi V	-	AGENTCAST: An Ai Driven Podcast Generation	Karnataka State Council for Science and Technology	2025-2026	Rs. 4,000/-
4	Dr. Jagruthi H	-	Digital Restoration Of Indian Paintings	Karnataka State Council for Science and Technology	2025-2026	Rs. 4,000/-
Amount received (Rs.) 3,62,000/-						
2024-25						
1	Dr. S Srividhya Dr. Jagruthi H Mrs. Sindhu N	-	Hosting the Two-day Online Pitching Session of the School Innovation contest 2024	AICTE	18 th and 19 th Feb 2025	Rs.1,08,000/-
2	Dr. Jagruthi H Dr. Mahantesh	-	Create ASN decoder after parsing 38.331 and 36.331	Samsung Prism	Jun 2023 To Mar 2024	Rs. 86,400/-
3	Dr. S Srividhya Mrs. Kavya N L	-	Camera Launch Application	Samsung Prism	Jun 2023 To Mar 2024	Rs. 86,400/-
Amount received (Rs.) 2,80,800/-						
2023-24						
1	Dr. Laxmi V Mrs. Mona		Image Processing Detection and counting of potholes using video sequences	Samsung Prism	December 2022 To August 2023	Rs. 86,400/-

Amount received (Rs.) 86,400/-				
Total Amount (Lacs) Received for the Past 3 Years Rs.7,29,200/-				

Seed Money/Internal Research Grant

Sl.No.	Faculty Name	Project Title	Duration	Amount (Lacs)
CAY 2025-26				
1	Dr. S Srividhya	IntelliWheel - FKCCI INNO MANTHAN 2026	6 Months	0.3
2	Dr. S Srividhya	DOT-AI Powered Braille -Student Innovation – Smart Education	6 Months	0.18
Amount received (Rs.) 0.48 Lacs				
Total Amount (Lacs) Received for the Past 3 Years Rs.0.48 Lacs				

Consultancy Details

Sl. No.	Name of the Faculty	Project Title	Name of the agency	Duration of the project	Amount (Lacs)
2024-25					
1	Dr. Jagruthi H Dr. Mahantesh	Create ASN decoder after parsing 38.331 and 36.331	Samsung Prism	6 Months	Rs. 86,400/-
2	Dr. S Srividhya Mrs. Kavya N L	Camera Launch Application	Samsung Prism	6 Months	Rs. 86,400/-
Amount received (Rs.) 1,72,800/-					
Total amount (Lacs) received for the past 3 years Rs.1,72,800/-					

Department of Electronics and Communication Engineering

Sl. No.	Name of PI	Co-PI Names if any	Project Title	Name of the Funding Agency	Duration of the project	Amount (Lacs)
2025-26						
1	Dr. Jyoti R Munavalli	Dr. Bindu Smt. Sumathi A	Development of an Integrated Thermal and RGB Imaging System for Early Screening of Musculoskeletal Inflammation with Future Diagnostic Potential	Eurofins	12 months	Rs. 10,00,000/-
2	Dr.Jyoti R Munavalli		IEEE SPS	IEEE	12 months	\$500 (Rs. 47,435/-)
Amount received (Rs.)						10,47,435/-
2024-25						
1	Dr. Keerthi Kulkarni		IEEE GRSS BNMIT student branch	IEEE	6 months	Rs. 1,30,590
2	Dr. Rekha P	Dr. Jyoti R Munavalli	Infineon Drone Project	CSR	1 Year	Rs. 5,00,000
3	Dr.Jyoti R Munavalli		IEEE SPS BNMIT student chapter	IEEE	12 months	\$500
Amount received (Rs.)						Rs. 6,13,590/-
2023-24						
1	Dr. Jyoti R Munavalli	Dr. Neetha Mahadeva Dr.Sarala R Dr. Deepika	Awareness, Utilisation, and Socio-Economic Impact of PMBJP Kendra in the Selected Districts of State of	ICSSR	6 months	Rs.12,00,000

			Karnataka			
2	Dr.Jyoti R Munavalli		IEEE SPS	IEEE	12months	\$500 Rs. 41,450
3	Dr.Jyoti R Munavalli		IEEE WIE	IEEE	6 months	\$200 Rs. 16,688
4	Dr. Yasha Jyothe M Shirur		IEEE CAS	IEEE	6 months	Rs. 16,580
5	Dr. Rekha P		IEEE RAS	IEEE	6 months	Rs. 41,450
6	Dr. Rekha P	Raghavendra Kushalappa	AICTE - SPICES	AICTE	6 months	Rs. 1,00,000
7	Dr. Rekha P	Dr. Bharathkumar Hegde	AQUA ELIXIR	KSCST - Govt. of Karnataka	6 months	Rs. 5000
8	Dr. Rekha P		"Clean Wheel"	KSCST	6 months	Rs. 5000
9	Dr. Rekha P Sudarshan		Design and Development of a low cost Breathing AID under health emergency	KSCST	6 months	Rs. 6000
Amount received (Rs.)						Rs. 14,32,168/-
Total Amount (Lacs) Received for the Past 3 Years						Rs. 30,93,193/-

Seed Money/Internal Research Grant

Sl.No.	Faculty Name	Project Title	Duration	Amount (Lacs)
CAY 2025-26				
1	Ms. Arpita Kulkarni Dr. Jyoti R Munavalli	Neurocap	12 months	0.97L
2	Dr. Jyoti R Munavalli Dr. Sunitha S V	Design and Development of App Controlled Robot	12 months	0.44L
Amount received (Rs.) 1.41 Lakhs				
Total Amount (Lacs) Received for the Past 3 Years 1.41lakhs				

Intramural Research Grant

Sl.No.	Team Members Names	Project Title	Duration	Amount (Lacs)
CAY 2025-26				
1	Dr. Lakshmi Bhaskar Dr. Jyoti R Munavalli	Visio - Assist	12 months	0.37L
2	Dr. Smitha Gayathri	Smart Mirror	12 months	0.78L

3	Dr. Kavitha Jayaram Dr. Smitha Gayathri	Smart Helmet for Industrial Labour	12 months	0.45L
Amount received (Rs.) 1.6 Lakhs				
Total Amount (Lacs) Received for the Past 3 Years 1.6 lakhs				

Consultancy Details

Sl. No.	Name of the Faculty	Project Title	Name of the agency	Duration of the project	Amount (Lacs)
2025-26					
1	Dr. Ashwini S Savanth	SIC – AI Course (Teaching Faculty)	Samsung R&D Institute India-Bangalore Pvt Ltd	1 year	0.36
2	Dr. Keerti Kulkarni	SIC – IoT Course (Teaching Faculty)	Samsung R&D Institute India-Bangalore Pvt Ltd	1 year	0.38250
3	Dr. Priyadarshini K Desai	SIC – IoT Course (Teaching Faculty)	Samsung R&D Institute India-Bangalore Pvt Ltd	1 year	0.38250
4	Dr. Rekha	SIC – IoT Course (Teaching Faculty)	Samsung R&D Institute India-Bangalore Pvt Ltd	1 year	0.49250
5	Dr. Smitha Gayathri D	SIC – IoT Course (Teaching Faculty)	Samsung R&D Institute India-Bangalore Pvt Ltd	1 year	0.49250
Amount received (Rs.) 2.11 Lakhs					
Total amount (Lacs) received for the past 3 years					

Department of Electrical & Electronics Engineering

Sl. No.	Name of PI	Co-PI Names if any	Project Title	Name of the Funding Agency	Duration of the project	Amount (Lacs)
2025-26						
1	Dr.Venkatesh K	Dr. Priyashree S	Water quality Monitoring System using Integrated Sensors & Image Processing	IEI-FUND	2026-2027	3000/-
Amount received (Rs.)						3000/-

Consultancy Details

Sl. No.	Name of the Faculty	Project Title	Name of the agency	Duration of the project	Amount (Lacs)
2025-26					
1	Dr. Venkatesha K. Mr. Sujith T.	Performance Analysis of Novel BLDC Motors for Drone Applications	M/s M+Acer Automotive Systems Pvt. Ltd., Bengaluru	1Year	0.36
Amount received (Rs.)					36,000/-

Department of MBA

Funded Research Projects from the External Agencies

Sl. No.	Name of PI	Co-PI Names if any	Project Title	Name of the Funding Agency	Duration of the project	Amount (Lacs)
2025-26						
1	DR. NEETHA MAHADEV	-	Awareness, Utilisation and Socio-economic Impact of PMBJP Kendras in the selected districts of Karnataka	ICSSR	1 Year	12L
2	DR. PADMALINI SINGH	DR. BHAVYA VIKAS, DR. RIZWANA M, DR. GAYATHRI PANDA	Empowering Women Through Gig Work: Opportunities, Challenges and Policy Interventions in Karnataka and Tamil Nadu	ICSSR	1 year	15L
Amount received (Rs.27L)						

Consultancy Details

Sl. No.	Name of the Faculty	Project Title	Name of the agency	Duration of the project	Amount (Lacs)
2025-26					
1	Mrs. Prathyusha P & Dr. Charithra C M	Strengthen Business Operations Strategy and Performance	Ravina Healthcare Private Limited	6 Months	75,000/-

Department of Physics

Seed Money/Internal Research Grant

Sl.No.	Faculty Name	Project Title	Duration	Amount (Lacs)
CAY 2025-26				
1	Dr. K N N Prasad Dr. S Chandrasekhar	Effect of Heavy Metal Oxides on Structural and Nonlinear Optical Properties of Borate Glasses for Nonlinear Optical Device Applications	2 years	Rs: 3,50,000 /-
Amount received (Rs.) 3,50,000 /-				