

**Proceedings of the Commissioner of Technical Education
Directorate of Technical Education, Chennai - 600025**

**Present: Tmt. J. Innocent Divya, I.A.S.,
Commissioner of Technical Education**

Proceedings. No. CMRG / 3005 / H3 / 2024 / 017, Date: 16.07.2025

**Sub : Directorate of Technical Education - Chief Minister's Research Grant
2024-25, Approval cum Release of Grant - Project No CMRG2400330 -
Reg.**

Ref : G.O.(Ms).No. 15, Higher Education (J1) Department, Dated: 27.01.2023.

In the G.O. cited above, the Government of Tamil Nadu has sanctioned Rs.50.00 crore funds for Chief Minister's Research Grant Scheme as recurring grant to the Commissioner of Technical Education towards allocation of funds for all Government Higher Educational Institutions and State Universities in Tamil Nadu for promoting quality research to enhance the rigor, reliability, robustness and transparency of research. The mission of this grant is "Global Dynamics in Responsible Research". In the above G.O., the Government has constituted the Peer Review Panel Evaluation Committee (PRPEC) for the selection of the research proposals.

The Directorate of Technical Education (DoTE) is delighted to inform you that your proposal has been selected for funding under the "Chief Minister's Research Grant" scheme

CMRG Scheme	2024-25
Project ID	CMRG2400330
Project Title	Investigating the Anticancer potential of Caesalpinia bonducella extract in Breast (MCF-7) and Colon (HT- 29) Cancer cell lines
Principal Investigator (PI) & Address	P.Backya Laksmi, Research Scholar, Department of Biochemistry, Thanthai Periyar Government Arts and Science College (Autonomous), Trichy - 620023.
Project Type	Student - led
Co-Principal Investigator (Co-PI) & Address	Dr.C.Aiyavu, Assistant Professor, Department of Biochemistry, Thanthai Periyar Government Arts and Science College (Autonomous), Trichy - 620023.
Budget Sanctioned (Rs.)	17,58,750/-
Project Duration	3 Years
Collaboration	Nil

**PROCEEDINGS OF THE COMMISSIONER OF TECHNICAL EDUCATION
DIRECTORATE OF TECHNICAL EDUCATION, CHENNAI - 600025**

**PRESENT: Thiru. T. Abraham, I.A.S.,
Commissioner of Technical Education**

Proceedings. No. CMRG / 37491 / H3 / 2022 / 053, Date: 16.12.2024

**Sub : Technical Education - CMRG 2023-2024 - Approval-cum-Release of
Grant for Project No CMRG2023BBC03022 - Regarding.**

Ref : G.O.(Ms) No. 15, Higher Education (J1) Department, Dated. 27.01.2023.

(1) In the G.O. cited above, the Government has sanctioned Rs.50.00 crore for Chief Minister's Research Grant Scheme as recurring grant to the Commissioner of Technical Education towards allocation of funds for all Government Higher Educational Institutions and State Universities in Tamil Nadu for promoting quality research to enhance the rigor, reliability, robustness and transparency of research. The mission of this grant is to explore "Global Dynamics in Responsible Research". In the above G.O., the Government has constituted the Peer Review Panel Evaluation (PRPE) Committee for the selection of the research proposals.

(2) The Directorate of Technical Education (DoTE) is delighted to inform that the project titled "Preclinical Evaluation of Hispolon and Varacin a Natural Product Inhibitors of MDM2 as an Anticancer Agents for Oral and Colon Cancers" submitted By Dr. C. Aiyavu has been selected for funding under the "Chief Minister's Research Grant" scheme for the year 2023-2024 at a total cost of Rs.39,90,000/- (Rupees Thirty Nine Lakhs Ninety Thousand only) for a duration of three years. The detailed breakup of the grant for each component is given below.

EXPENSE HEAD	BUDGET (In Rupees)			
	1 st Year	2 nd Year	3 rd Year	Total
A. Recurring				
1. Remunerations for Assistantship/Fellowship (One Person)	3,00,000	3,00,000	3,00,000	9,00,000
2. Consumables	3,00,000	3,00,000	3,00,000	9,00,000
3. Travel	10,000	10,000	10,000	30,000
4. Other costs	20,000	20,000	30,000	70,000

B. Non-recurring Equipment/Software				
	1. CO2 Incubator			
	2. Inverted Phase Contrast Microscope	19,00,000	0	0
	3. Deepfreezer			
	4. Biosafety Cabinet Make 5. Cooling Centrifuge			
C. Institutional Charges	1,26,500	31,500	32,000	1,90,000
Grand Total (A+B+C)	26,56,500	6,61,500	6,72,000	39,90,000

(3) The mobilization fund of Rs.7,56,500/- (Rupees Seven Lakhs Fifty Six Thousand Five Hundred only) for the implementation of the aforementioned research project is released to the Registrar/Principal through CMRG Single Nodal Agency (SNA) account via Tamil Nadu Public Fund Tracking System (TNPFTS).

(4) The funds will be released in phased manner, following an assessment of the project progress and the milestones given by the Principal Investigator.

(5) This sanction order has been issued with the approval of the competent authority.

(6) The released funds may be returned to Chief Minister's Research Grant, Directorate of Technical Education, Chennai, immediately if the Principal Investigator either has an ongoing CMRG Research Project or has been transferred, left, or retired from the college; otherwise, legal actions will be taken against the University/Institution for violating CMRG norms.

(7) The sanction of grant is subject to the conditions as described in the Terms & Conditions available on the website.

(8) The University/Institution must keep a separate register of assets obtained through the CMRG fund.

(9) The sanctioned items should be procured as per the Purchase Norms of Government of Tamil Nadu and their disposal must be done with prior approval from CIVRG.

(10) The University/Institution should maintain separate audited accounts for the CMRG-funded project.

(11) The project's accounts shall be open to inspection by the sanctioning authority or audit whenever the institution is called upon to do so.

(12) The institution must furnish a separate financial year-wise Utilisation Certificate to this office for Recurring, Non-Recurring and Institutional charges, along with an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

(13) The Investigator/Host Institute must acknowledge the support provided to them in all publications, patents and other outputs resulting from the project funded by CMRG, Directorate of Technical Education, and Government of Tamil Nadu.

(14) The project letter number should be mentioned in all research communications arising from the above project, with due acknowledgement of CMRG.

(15) The Organization/Institution/University should ensure that the technical support/financial assistance provided to them by CMRG should invariably be highlighted/acknowledged in their media release as well as in bold letters in the opening paragraph of their annual report.

(16) Failure to comply with the terms and conditions of the scheme will entail a full refund with interest.

Sd/- T.Abraham
Commissioner of Technical Education


for Commissioner of Technical Education



To,
Dr. C. Aiyavu,
Assistant Professor,
Department of Biochemistry,
Thanthai Periyar Government,
Arts Science College (Autonomous),
Trichy - 620 023.

(Through the Principal)

Copy to

1. The Principal,
Thanthai Periyar Government,
Arts Science College (Autonomous),
Trichy - 620 023.
2. Stock File.

Government of Tamil Nadu
Department of Higher Education
Directorate of Technical Education (DoTE)
Chief Minister's Research Grant (CMRG)
 53, Sardar Patel Road, Guindy, Chennai-25

CMRG 2025-26 : List of 327 Research Proposals Sanctioned

Ref 1: HE(J1) Dept. G.O.(Ms).No.15, Dt.27.01.2023: Establishment of CMRG & Sanction of Rs.50 crore grant.
 Ref 2: HE(J1) Dept. D.O.Letter No.176/J1/2025/1-8, Dt.13.05.2025: CMRG scheme extended to 8 more Universities.
 Ref 3: HE(J1) Dept. Letter No.2434/J1/2025-2, Dt.10.12.2025: PPEC meeting date.

SI. No. 001-256: Tamil Nadu State Government Universities (A-Z)
 SI. No. 257-290: Constituent Units of TN State Govt Universities (A-Z domain-wise)
 SI. No. 291-327: Tamil Nadu State Government Colleges (Arts & Science, Engineering, Medical, Polytechnic)

Sl. No	Proposal ID	Submitted by	Principal Investigator (PI) details	PI Institution Name	Title of Research Proposal	Budget Sanctioned (Rs.)
1	CMRG250043	Student	M.Viswa, Ph.D. Scholar, Department of Industrial Chemistry	Alagappa University	Smart Portable Sensor with MOF-Graphene Composite for Rapid Heavy Metal Detection in Health and Agricultural Safety in Tamil Nadu	1365000
2	CMRG250060	Faculty	Dr.M.Vasimalairaja, Professor, Department of Education, CDOE	Alagappa University	Mapping Futuristic Skills among Higher Education Students in Tamil Nadu: Aligning Competencies with Traditional and Emerging Industry Needs	1044750
3	CMRG250175	Faculty	Dr.B.Vaseeharan, Senior Professor, Department of Animal Health & Management	Alagappa University	Establishment of Smart Nanogel Carriers from Macroalgae Polysaccharides: Emerging Frontiers in Diabetic Foot Ulcer Management	2740500
4	CMRG250201	Student	T.Gobika, Ph.D. Scholar, Department of Animal Health & Management	Alagappa University	Utilising Seaweed Biomass to Produce Green Hydrogen Fuel: A Sustainable Coastal Energy Solution.	1522500
5	CMRG250202	Faculty	Dr.C.Anbuchelvan, Associate Professor, Department of Commerce	Alagappa University	Impact of the Naan Mudhalvan Scheme on Enhancing Technical and Soft Skills among Higher Education Students in Tamil Nadu: A Study	1023750
6	CMRG250224	Student	K.Sathish Kumar, Ph.D. Scholar, Department of Education	Alagappa University	Integrating AI-Based Learning Tools in Government Schools: A Study on Effectiveness, Adoption, and Policy Implications in Rural Tamil Nadu	1338750

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306	CMRG25-SD-0038	Faculty	Dr.T.Vani, Associate Professor, Department of Computer Science	Rajeswari Vedaohalam Government Arts College, Chengalpattu	Reviving Classical Tamil: An Interactive Android App for Learning Thokkappiyam	1029845
307	CMRG250324	Student	P.Shifforah Rajam, Ph.D. Scholar, Department of Zoology	Rani Anna Govt College for Women, Tirunelveli	Genetic Polymorphisms and Susceptibility to Polycystic ovaries in women across different age groups: A Case-control study in Tirunelveli District, TN	1554000
308	CMRG25-SD-0001	Faculty	Dr.D.Ramkumar, Associate Professor, Department of Business Administration	Sri Meenakshi Govt Arts College for Women (A), Madurai	Digital Entrepreneurship Literacy for Women Graduates in Tamil Nadu	3465000
309	CMRG250389	Student	D.Geetha, Ph.D. Scholar, PG & Research Department of Botany	Thanthai Periyar Govt Arts & Science College, Tiruchirappalli	Eco-friendly Menstrual Products: Harnessing the Natural Properties of <i>Acalypha indica</i> L. and <i>Senna alata</i> (L.) Roxb. for Biodegradable Sanitary Napkins	1233750
310	CMRG251459	Faculty	Dr.R.Prakash, Associate Professor, Department of Civil Engineering	Alagappa Chettiar Govt College of Engineering & Technology, Karaikudi	Feasibility study of using coconut shell as coarse aggregate in hybrid fibre reinforced sustainable concrete for low-cost housing	1837500
311	CMRG250259	Faculty	Dr.J.Nafeesa Begum, Professor, Dept of Computer Science & Engineering	Government College of Engineering, Bargur	Examination System for People with Low-Vision	2094750
312	CMRG250734	Faculty	S.Tamil Prabhakaran, Assistant Professor, Department of Mechanical Engineering	Government College of Engineering, Bargur	Hybrid AI Model for WAAM Deposition Path Optimization Using Simulation-Driven Learning and Real-Time Feedback	3832500
313	CMRG25-SD-0026	Faculty	Dr.S.Sathyapriya, Associate Professor, Department of Civil Engineering	Govt College of Engineering, Chettikkarai Village, Dharmapuri	STUDIES ON BIO-INSPIRED ROOT PILES FOR STABILIZING SLOPES	1485750
314	CMRG250728	Faculty	Dr. G.Dhamodhara Kannan, Associate Professor, Department of Civil Engineering	Govt College of Engg, Melachokkanathapuram, Bodi	Structural Behaviour of Modified Open Web Steel Joist Incorporating concrete-infilled Chord Members	1485750
315	CMRG250899	Faculty	Dr.B.Sivaranjani, Assistant Professor, Dept of Computer Science & Engineering	Govt College of Engg, Melachokkanathapuram, Bodi	Next-Generation Safety Practices for Institutions through Digital Tracking using CCTV footage analysis	2336250
316	CMRG250925	Faculty	Dr.R.Regupathi, Assistant Professor (Sl.Gr), Department of Civil Engineering	Govt College of Engg, Melachokkanathapuram, Bodi	IOT Based Smart Water Pumping, Distribution and Quality Control System for GCE Bodinayakanur College Campus	2482200
317	CMRG250979	Faculty	C.Satheesh Pandian, Assistant Professor, Dept of Computer Science & Engineering	Govt College of Engg, Melachokkanathapuram, Bodi	Portable LTE/5G Emergency Communication Node for Disaster Relier Using eNodeB/gNodeB Architecture	3003000
318	CMRG250966	Faculty	Dr.T.S.Murugesh, Associate Professor, Dept of Electronics & Commun. Engineering	Government College of Engineering, Sifrangam, Trichy	AI Based SMART Muthamizh Arignar Dr. Kalaignar M. Karunanidhi Integrated Bus Terminus (IBT) @ Panjapur, Trichy	3097500