Dr.M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University

★ with Graded Autonomy Status ★

(An ISO 21001 : 2018 Certified Institution)

ACCREDITED WITH GRADE A+ NAAC

2025-26

SDG 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE



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SDG 9

INNOVATION AND ENTREPRENUERSHIP



Dr. E. Sheeba Percis,
Professor and Joint Registrar
Team Lead-International Rankings

Dr. C. B. Palanivelu
Registrar

UN SDG 9: INNOVATION AND ENTRPRENUERSHIP — COMPLIANCE PORTFOLIO

Dr. M.G.R. Educational and Research Institute, the details of funds used to encourage student entrepreneurs during the financial year 2025–2026

1. Institutional funding: Seed grants, prototype development support, and financial assistance provided directly by the university.

2. Government-funded support: Grants received through schemes such as EDII and other eligible innovation programmes.

3. Incubation and startup support: Funding or services provided through AKC (Dr. A.P.J. Abdul Kalam Centre of Excellence in Innovation & Entrepreneurship)

4. External funding: CSR contributions for startups.

1. Institutional Funding – Seed Grants and Prototype Development Support

Institutional Funding: Financial support provided directly by the university to promote innovation and entrepreneurship among students, research scholars, faculty members, and startup founders. This includes seed grants for promising business ideas, financial assistance for prototype development and proof-of-concept validation, support for product design and testing, development of minimum viable products (MVPs), and funding for technology validation and early-stage commercialization. It also covers financial assistance for converting innovative projects into viable business ventures, subject to institutional policies and eligibility criteria. The details should specify the amount sanctioned and disbursed the purpose of funding, the beneficiary or startup name, and the relevant financial year, supported by appropriate sanction orders and financial records.

S.NO	TITLE	PRINCIPAL INVESTIGATOR/Startup	DEPARTMENT	SANCTIONED AMOUNT
1	Comparative analysis of bone marrow aspirate versus bone marrow aspirate concentrate in primary knee osteoarthritis double blinded, unicentric RCT	Dr Ashwini R	Orthopaedics/ ARSN202601001/02.04.2026	INR 5,00,000
2	Surveillance of burden and transmission of multidrug resistant bacteria in Intensive care units by next generation sequencing	Dr. Sangeetha Sampath	Microbiology/ ARSN202601002/02.04.2026	INR 3,90,000
3	Study of MicroRNA 21 & 29c levels in Diabetic Kidney Disease.	Dr.Krishna M V	GENERAL MEDICINE/ ARSN202601003/02.04.2026	INR 4,00,000
5	Evaluation of Molecular Signatures interlinking polycystic ovarian syndrome and Periodontal disease	Dr. Dhathri Priya Bandi	Periodontology/ ARSN202602002/02.04.2026	INR 4,02,410
6	Neurophytotherapeutic Approach: A Novel Formulation of Nigella sativa Seeds Targeting Central Nervous System Activity	Ms. Neelambari	PHARMACY/ ARSN202603001/02.04.2026	INR 4,30,000

S.NO	TITLE	PRINCIPAL INVESTIGATOR/Startup	DEPARTMENT	SANCTIONED AMOUNT
7	ANALYZING THE EFFECTIVENESS OF BIOMECHANICAL INTELLIGENT OPTIMIZED (BIO) STEP TRAINER: MULTISENSORY FEEDBACK-DRIVEN GAIT TRAINER ON CENTRAL NERVOUS SYSTEM INJURY	Dr. K. Kamatchi	PHYSIOTHERAPY/ ARSN202604001/02.04.2026	INR 5,00,000
8	Nutritional Impact of SynbioticSupplementation on Key Gut Bacteria and Metabolic Health in Overweight Indian Adults	Ms. Ponmozhi	Clinical Nutrition/ ARSN202606001/02.04.2026	INR 4,42,900
9	Development of a Novel Bio 3D Printer with Spinneret-Based Coaxial Extrusion Technology for Fabrication of Micron Hollow Structures	Mr. Logeswaran	AKC/ ARSN202607001/02.04.2026	INR 3,40,000
Total				3905310

2. Government-funded support: Grants received through schemes such as EDII and other eligible innovation programmes

Details of grants and financial assistance received by the university, its incubation centre, or its incubated startups through government-sponsored schemes and eligible innovation and entrepreneurship programmes. This includes funding provided through the Entrepreneurship Development and Innovation Institute (EDII-TN), Tamil Nadu Startup and Innovation Mission (StartupTN), DST–NewGen IEDC, BIRAC, MSME, and other relevant central and state government agencies or funding bodies. The support may cover idea validation, proof-of-

concept development, prototype fabrication, product development, technology validation, startup establishment, seed funding, and business acceleration.

S.NO	TITLE	PRINCIPAL INVESTIGATOR	DEPARTMENT	SANCTIONED AMOUNT
1	IVP-A (Innovation Voucher Program)	Shoreline Scientific LLP – Ms Priyadarshini M	AKC – Biotechnology February 2025	INR 2,00,000
2	IVP-A (Innovation Voucher Program)	Brillet Makers PVT Ltd – Dr Kokilavani	AKC – Biotechnology February 2025	INR 2,00,000
3	IVP-B (Innovation Voucher Program)	IGNIT Technical Solutions PVT Ltd	AKC – Mechanical February 2025	INR 5,00,000
4	IIT –NIRMAN	Shoreline Scientific LLP – Ms Priyadarshini M	AKC – Biotechnology July 2026	INR 2,00,000
5	Startup TN TANSEED	IGNIT Technical Solutions PVT Ltd	AKC – Mechanical February 2026	INR 10,00,000

3. Incubation and startup support: Funding or services provided through AKC (Dr. A.P.J. Abdul Kalam Centre of Excellence in Innovation & Entrepreneurship)

Details of financial and non-financial support provided to student entrepreneurs, faculty innovators, research scholars, and incubated startups through the Dr. A.P.J. Abdul Kalam Centre of Excellence in Innovation & Entrepreneurship (AKC), Dr. M.G.R. Educational and Research Institute. This includes access to co-working spaces, fabrication and prototyping facilities, collaborative workspaces, laboratories, testing and validation facilities, and other incubation infrastructure made available to support innovation and startup development.The support may include subsidised or complimentary workspace, access to equipment and technical infrastructure, prototype fabrication assistance, product testing and validation, technical mentoring, business advisory services, intellectual property support, industry networking, and other incubation services provided to help startups progress from idea validation and proof-of-concept development to prototype completion, product development, and commercialisation.

S.NO	Startups	Incubators	Services	Financials
1.	Incubated Startups at Dr MGR Educational and Research Institute	AKC, MSME and ARI Startups	co-working spaces, fabrication and prototyping facilities, collaborative workspaces, laboratories, testing and validation facilities, and other incubation infrastructure made available to support innovation and startup development	INR 50,65,000

4. External funding: CSR contributions for startups.

External Funding – CSR Contributions for Startups: Details of financial contributions and support received from external organisations, corporate entities, and industry partners through Corporate Social Responsibility (CSR) initiatives to promote innovation, entrepreneurship, and startup development within the university's innovation and incubation ecosystem.

S.NO	TITLE	PRINCIPAL INVESTIGATOR	DEPARTMENT	SANCTIONED AMOUNT
1.	CSR – SONA COMSTER (IIT BOMBAY)	IGNIT Technical Solutions PVT Ltd	AKC – Mechanical February 2026	INR 40,00,000

5. SEED Funfing to the rural campus at Arni Off Campus worth 30 Lakhs:

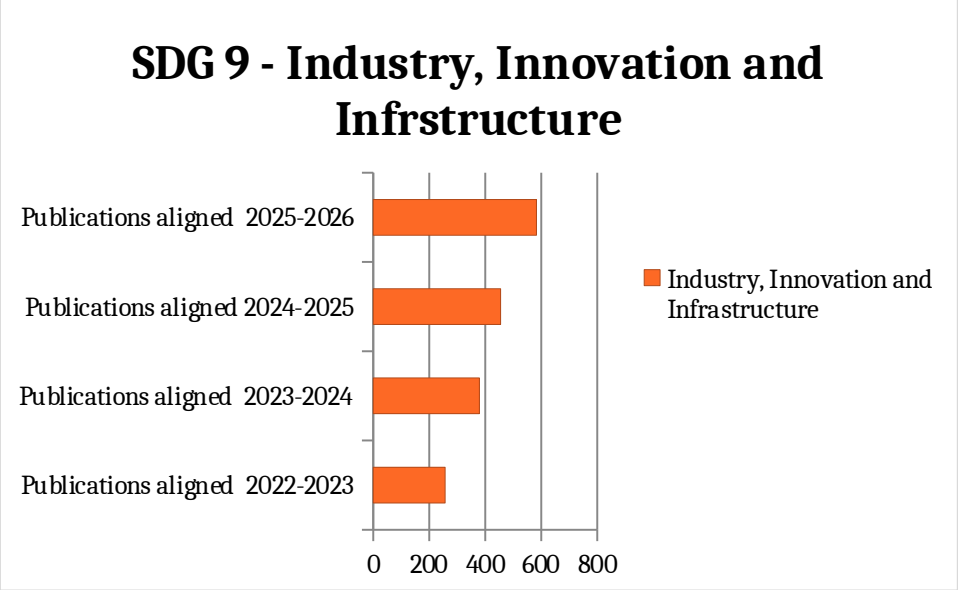
The University actively fosters a culture of research and innovation among its faculty through its robust SEED grant initiative, streamlining the processes for academic publication and patent acquisition. With a track record of funding over 100 projects annually, the institution expanded the scope of this initiative to its rural campus this year, sanctioning 25

proposals with a total grant allocation of ₹30 Lakhs. Through these strategic investments, the University ensures equitable and inclusive growth, empowering faculty across all campuses with uniform access to developmental opportunities. [MOMENTUM SEED GRANT 2026]

EVIDENCE LINK
https://drmgrdu.ac.in/uploads/QS/Happiness/Seed-Grant.pdf
https://www.instagram.com/p/DbGIYIKgWm6/
https://drmgrdu.ac.in/innovation-and-entrepreneurship/
https://drmgrdu.ac.in/uploads/QS/Happiness/Entrepreneurship_support.pdf
https://drmgrdu.ac.in/policies-and-guidelines/institutional-policies
https://drmgrdu.ac.in/department/research-patent/
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https://drmgrdu.ac.in/uploads/QS/Circular_STUDENT_PATENT_PUBLICATION_(2026)_APPRECIATION-reg..PDF
https://drmgrdu.ac.in/uploads/QS/IIC_2024-25.jpeg

Research Metrics:

The provided horizontal bar chart illustrates a period of **exponential growth in research output aligned with Sustainable Development Goal 9 (SDG 9: Industry, Innovation, and Infrastructure)** over a four-year tracking matrix. The institution has successfully accelerated its research volume from a baseline of **260 publications in 2022–2023** to a peak of **585 publications in 2025–2026**, demonstrating an intense institutional focus on engineering, technological innovation, and infrastructural research.



Research Metrics – SDG 9

1. Compounded Research Velocity

- **Net Volume Acceleration:** Over the four-year evaluation window, absolute publication volume grew by **125%** (+325 papers). This steep upward trajectory signifies an active expansion of the faculty research ecosystem, increased funding allocations toward innovation, and highly optimized research output mechanisms.
- **Sustained Momentum:** The growth is not isolated to a single anomaly year. It reflects a systematic annual increase, highlighting structured internal policies such as research incentives, mandatory Scopus/Web of Science target alignments, or expanded doctoral candidate enrollments.

2. Industry-Academia Synergy Indicator

Because SDG 9 inherently evaluates the nexus between academic innovation and commercial scalability, this surge in publications strongly suggests:

- An expanded portfolio of **sponsored research projects** and industrial consultancies.

- A robust pipeline for **patent filings and technology transfers** originating from university lab frameworks (e.g., core engineering, IT, and automation streams).