Annual Report

ACADEMIC YEAR 2025–2026

Academic • Research • Extension • Student Development • Institutional Achievements

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EXECUTIVE SUMMARY

Dr. R.K. Shanmugam College of Arts and Science, Indili, Kallakurichi, Tamil Nadu, was established in 1997 by the Dr. R.K. Shanmugam Educational Trust with the vision of providing quality, affordable higher education, particularly to students from rural and economically disadvantaged backgrounds. The institution was established with a commitment to academic excellence, inclusive education, ethical values, and the holistic development of students. The college is named in honour of Dr. R. K. Shanmugam Chetty, the first Finance Minister of Independent India and former Vice-Chancellor of Annamalai University.

The institution is recognized by the Government of Tamil Nadu, permanently affiliated with Annamalai University, accredited by the National Assessment and Accreditation Council (NAAC), and recognized by the University Grants Commission (UGC) under Sections 2(f) and 12(B) of the UGC Act, 1956. These recognitions reflect the institution's commitment to maintaining academic standards and continuously improving the quality of higher education.

The college is spread across a sprawling **21-acre campus**, providing a conducive environment for teaching, learning, research, innovation, and extracurricular activities. The institution offers **12 Undergraduate Programmes, 8 Postgraduate Programmes, and 3 Research Programmes** across the disciplines of Arts, Science, Commerce, and Computer Applications. The academic programmes are designed to promote subject knowledge, practical competencies, research aptitude, employability, and entrepreneurial skills among students.

To ensure the holistic development of students and encourage active participation in academic, cultural, social, and professional activities, the institution has established **13 Associations and Forums, 12 Clubs, 9 Cells, and 6 Extension Activities**. In addition, the college follows **8 Best Practices** to strengthen academic quality, student engagement, institutional development, and social responsibility.

The institution actively promotes innovation, creativity, and entrepreneurship through its **Institution's Innovation Council (IIC)** and **Entrepreneurship Development Cell (EDC)**. These initiatives provide opportunities for students to develop innovative ideas, enhance entrepreneurial competencies, participate in innovation-oriented activities, and explore start-up opportunities.

During the academic year 2025–2026, Dr. R.K. Shanmugam College of Arts and Science continued its efforts to provide inclusive higher education, strengthen academic delivery, promote research and innovation, and improve students' employability and social responsibility.

The year witnessed the introduction of three degree programmes, student participation in academic seminars and conferences, certificate and skill-development courses, sports and NCC achievements, NSS outreach, scholarship support, institutional collaborations, research publications and placement initiatives.

Institutional activity	Reported achievement
New degree programmes	3 programmes introduced
Trust scholarship	832 beneficiaries; ₹62,27,765 distributed
Scholarship schemes	1,412 beneficiaries across 5 schemes
Seminars/workshops/conferences	11 activities listed in the report
Certificate/value-added course table	7 departmental entries; 645 beneficiaries stated in narrative (to be reconciled)
EDII-linked skill courses	3 courses; 230 beneficiaries
Research publications	85 faculty articles; 120 student articles
Research/innovation	4 inventions
Mega job fairs	3
Company-wise placement entries	404 across 9 organizations
Final-year examination performance	268 passes out of 332; 80.72% (reported as 81%)

1. INSTITUTIONAL OVERVIEW AND ACADEMIC DEVELOPMENTS

The institution continued to expand its academic offerings in response to emerging knowledge areas and student aspirations. During the academic year 2025–2026, three new programmes were introduced with the stated objective of providing quality education in Artificial Intelligence, microbial sciences and Indian and world history.

S. No.	Programme introduced
1	B.Sc. Artificial Intelligence
2	B.Sc. Microbiology
3	B.A. History

The introduction of these programmes represents the institution's effort to diversify its academic portfolio and provide students with opportunities in contemporary and discipline-specific areas.

2. ADMISSION AND STUDENT SUPPORT

The institution aims to provide equal opportunities for higher education to eligible students irrespective of their social and economic backgrounds. The admission process is stated to be conducted transparently in accordance with applicable Government regulations, reservation policies and institutional guidelines.

The college offers undergraduate, postgraduate and research programmes and extends support to economically disadvantaged and deserving students through scholarship and student-support initiatives.

During the academic year, 832 students benefited from the Trust Scholarship Scheme, with a total amount of ₹62,27,765 distributed.

3. SEMINARS, WORKSHOPS AND CONFERENCES

Departments organized seminars, workshops and conferences to strengthen subject knowledge, critical thinking, research awareness, communication skills, career readiness and interdisciplinary learning. The following activities and outcomes were reported.

No.	Department	Type	Programme title	Students	Reported outcome
1	Tamil	Seminar	Kaappiyangalil Iyarkai Valam	140	Connected classical Tamil epic literature with contemporary environmental awareness and natural-resource themes.
2	English	Seminar	Literature – A Reflection of Life and Voice of Reality	80	Encouraged students to understand literature as a voice for truth and social issues; supported communication, public-speaking and presentation skills.
3	Mathematics	Seminar	Data Science and Statistical Methods in Modern Material Science Research	31	Introduced data-science applications in material science and encouraged research-oriented learning and use of computational and statistical tools.
4	Physics	Seminar	Data Science and Statistical Methods in Modern Material Science	51	Promoted data-science applications in materials research, interdisciplinary collaboration, research

No.	Department	Type	Programme title	Students	Reported outcome
			Research		learning and academic networking.
5	Chemistry	Seminar	Data Science and Statistical Methods in Modern Material Science Research	52	Introduced data-driven computation, generative models for materials design, autonomous experiment workflows and transfer learning.
6	Computer Science	National-level Conference	AI for Problem Solving Across All Disciplines	220	Explored AI applications, innovative solutions, interdisciplinary approaches, critical thinking, responsible AI and research collaboration.
7	BCA	Seminar	Campus to Corporate: Career Opportunities in Data Analytics and Data Science	194	Provided insights into emerging technologies and career opportunities; encouraged industry-oriented skills and corporate readiness.
8	Commerce	Conference	Emerging Trends in Artificial Intelligence in Business	170	Developed awareness of generative AI, machine learning, predictive analytics and AI applications in marketing, finance and human resources.
9	BBA	Seminar	Data Science in Management	80	Introduced data analytics for business decision-making and strengthened analytical, problem-solving and managerial awareness.
10	History	Seminar	Centenary Celebration of Periyar's Self-Respect Movement (1925–2025)	80	Created awareness of self-respect, rationalism, women's emancipation and social justice through essay, poetry, drawing, quiz and speech competitions.
11	Microbiology	Workshop	Eco-Friendly Vermicomposting	200	Provided practical awareness of converting biodegradable waste into organic manure through vermicomposting.

4. CERTIFICATE AND VALUE-ADDED COURSES

During 2025–2026, the institution conducted certificate and value-added courses to strengthen students' subject knowledge, practical skills, technical competencies and employability. The narrative in the source report states that six courses benefited 645 students.

No.	Department	Type	Course title	Students	Reported outcome
1	Tamil	Certificate course	Artisanal Bakery	105	Introduced baking methods, cake decoration, confectionery, dessert presentation and bakery entrepreneurship.
2	Mathematics	Certificate course	Artisanal Bakery	31	Introduced baking methods, cake decoration, confectionery, dessert presentation and bakery entrepreneurship.
3	Physics	Certificate course	Basic Electrical and Electronic Components	48	Improved understanding of electrical/electronic components, functions, applications and circuit usage.
4	Chemistry	Certificate course	Chemistry in Everyday Life	52	Explored chemicals, sources of compounds, preparation techniques and everyday applications.
5	Computer Science	Certificate course	Office Automation and Generative AI	189	Developed skills in documents, spreadsheets, presentations, data handling and responsible AI-assisted content creation.
6	Computer Science	Certificate course	IBM SkillsBuild Programme	220	Provided exposure to emerging technologies, professional skills and industry-relevant concepts.
7	History	Certificate course	Artisanal Bakery	7	Introduced baking methods, cake decoration, confectionery, dessert presentation and bakery entrepreneurship.

5. SPORTS, NCC AND NSS

5.1 Sports Achievements

- Boxing: Sathyanaayagam, III B.A. English, won First Prize in the Inter-College Men's Boxing Competition conducted by Annamalai University on 16 October 2025. He subsequently represented the University at the All India Inter-University Boxing Competition held at Haryana University on 2 March 2026.

- Silambam: R. Kanagavel, III B.A. Tamil, won Second Prize in the Silambam event at the Chief Minister's Trophy Sports Competition during 2025–2026.
- Team sports: College students secured Second Prize in both Cricket and Football at the Chief Minister's Trophy Sports Competition during 2025–2026.

5.2 National Cadet Corps (NCC)

The Army Wing of the college NCC unit recorded notable participation during the year.

- LCPL S. Vinayagam of 6 Tamil Nadu NCC Battalion represented the Tamil Nadu, Puducherry and Andaman Nicobar NCC Directorate at the Republic Day Camp 2026 in New Delhi, held from 29 December 2025 to 29 January 2026.
- Cadets A. Anbu and K. Anbarasan completed the Army Attachment Camp conducted by 54 Infantry Division Signal Regiment (54 IDSR), Secunderabad, from 17 to 26 September 2025.

5.3 National Service Scheme (NSS)

The NSS organized six major programmes during the academic year, focusing on social responsibility, community service, health awareness, environmental cleanliness, human rights and drug-abuse prevention.

- A cleaning programme was organized at Kalvarayan Hills in association with the Kuyili Foundation on 19 July 2025, promoting environmental cleanliness and social responsibility.
- A Drug Awareness Programme was conducted on 11 August 2025 to create awareness of the harmful effects of drug abuse and the importance of a healthy lifestyle.

6. STUDENT CLUBS AND COMMUNITY ENGAGEMENT

Departmental student clubs provide opportunities for students to express ideas, identify and develop their talents, work collaboratively and participate in activities that contribute to personal and social development.

In recognition of the contribution and service of NCC/NSS volunteers, the college received First Place and Second Place Awards for Best Volunteering Team among colleges for Anti-Drug Awareness Activities 2025–2026. The awards were presented by the Prohibition and Excise Department, Kallakurichi District, under the guidance of the District Collector.

7. SCHOLARSHIPS AND FINANCIAL ASSISTANCE

During 2025–2026, a total of 1,412 students benefited from five scholarship schemes. These schemes supported access, continuation and equity in higher education.

S. No.	Scholarship scheme	Beneficiaries
1	Tamil Pudhalvan Scheme	347
2	Pudhumai Penn Scheme	166
3	SC/ST Scholarship	57
4	Trust Scholarship	832

S. No.	Scholarship scheme	Beneficiaries
5	Physically Challenged Scholarship	10
	Total	1,412

The Trust Scholarship supported 832 students. The institution reported a total distribution of ₹62,27,765 under this scheme during the academic year.

8. INSTITUTIONAL COLLABORATIONS

- ✓ The institution reported having signed six Memoranda of Understanding (MoUs) with organizations including Vellipadai Theatre Movement, Plaza Engineering Works, Indian Spectro Physics Association, FIIT and ICT Academy.
- ✓ A seminar on Generative Artificial Intelligence was organized in collaboration with FIIT, with 220 student participants. Participants received certificates from FIIT.
- ✓ A national-level conference was organized in association with ICT Academy, attracting 287 participants and providing a platform for presentation of research findings and exchange of knowledge.

9. RESEARCH, INNOVATION AND INTELLECTUAL CONTRIBUTIONS

9.1 Research Publications

The institution reported 85 research articles published in journals by staff members and 120 research articles published by students during the academic year.

9.2 Faculty Achievement

Dr. Manivel, Assistant Professor of Physics, was reported as having been featured among the world's top 2% scientists in 2025 in a listing released by Elsevier and Stanford University. Supporting publication or listing evidence should be retained.

9.3 Inventions and Patent-Related Activities

The report records four inventions associated with the Department of Physics and Dr. A. Muthuvel, Assistant Professor: (i) IoT-enabled battery storage device; (ii) quantum-computing data-processing device; (iii) rotary evaporator for nanoparticle synthesis; and (iv) photocatalytic nanocomposite system for degradation of dye pollutants in wastewater.

10. CAREER GUIDANCE AND ENTREPRENEURSHIP DEVELOPMENT

The Entrepreneurship Development Cell (EDC) organizes career guidance programmes, seminars, workshops, entrepreneurship awareness initiatives and skill-development activities to strengthen employability, creativity, innovation and entrepreneurial capabilities.

The institution collaborates with the Entrepreneurship Development and Innovation Institute (EDII), Government of Tamil Nadu, to encourage innovative thinking, entrepreneurial initiatives and industry-oriented skill development.

10.1 Major Achievements

- Three student teams secured prizes at the zonal level in entrepreneurship and innovation-related activities.
- One team from the Royal Commerce Department secured Second Prize in the EDII Hackathon conducted by the Government of Tamil Nadu, among approximately 18,000 ideas, as reported by the institution.
- In collaboration with EDII, three certificate courses were conducted: Beautician Training, Mobile Phone Repairing, and ChatGPT and Artificial Intelligence.
- A total of 230 students benefited from these three skill-oriented certificate programmes.

Outcome: The activities supported students' entrepreneurial awareness, practical competencies, innovative thinking and confidence to explore self-employment and start-up opportunities.

11. PLACEMENT ACTIVITIES AND ACHIEVEMENTS

The Placement Cell facilitates employment opportunities for undergraduate and postgraduate students through campus recruitment, mega job fairs, career guidance, industry interaction and employability development initiatives. During 2025–2026, the institution organized three mega job fairs. The institution also reported that several students received three or more offer letters.

S. No.	Organization	Reported number
1	Tata Electronics	110
2	Ashok Leyland	85
3	Delphi Technologies	108
4	TVS	36
5	Reliance	22
6	Foxconn	18
7	Tata Consultancy Services (TCS)	12
8	Besant Technologies	8
9	IBM	5
	Total company-wise entries	404

12. ACADEMIC PERFORMANCE AND RESULT ANALYSIS

During the academic year, the institution reported conducting regular classes, revision classes, slip tests (FPP – Flash Point Programme), model examinations, assignments, quizzes, webinars, counselling and competitions to support student learning and examination readiness.

A total of 332 final-year students appeared for the examinations. Of these, 268 students passed and 64 students did not pass. The overall pass percentage is 80.72%, rounded to 81%.

No.	Programme	Appeared	Passed	Not passed	Pass %
1	B.A. Tamil	35	19	16	54%
2	M.A. Tamil	26	24	2	92%
3	B.A. English	12	9	3	75%
4	M.A. English	15	12	3	80%
5	M.Sc. Mathematics	14	14	0	100%
6	B.Sc. Physics	6	4	2	67%
7	M.Sc. Physics	11	7	4	63%
8	B.Sc. Chemistry	10	2	8	20%
9	M.Sc. Chemistry	9	6	3	67%
10	B.Sc. Computer Science	45	39	6	87%
11	M.Sc. Computer Science	14	14	0	100%
12	BCA	50	46	4	92%
13	B.Com.	46	34	12	74%
14	M.Com.	22	21	1	94%
15	BBA	17	17	0	100%
	Total	332	268	64	80.72%

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