SDG 4

QUALITY EDUCATION

INTRODUCTION

Sustainable Development Goal 4 calls for inclusive, equitable and quality education, and the promotion of lifelong learning opportunities for all. For a university, this mandate extends beyond the classroom — it encompasses how effectively an institution prepares its faculty to teach, equips its students to learn, opens its doors to the surrounding community, and contributes new knowledge back to the field of education itself.

SRM University–AP approaches SDG 4 as a continuous institutional commitment. Across the 2025–26 academic year, this commitment took shape through structured faculty-development programmes at the Teaching Learning Centre (TLC), a wide calendar of academic and technical events, community-facing outreach in schools and rural settings, a growing library and digital-learning infrastructure, and a body of Scopus-indexed research on pedagogy, learning technology and educational access.

This section of the report brings together verified evidence from SRMAP's own event records, social-outreach reports, publication data and library resources to tell a single, connected story: how the university is strengthening teaching quality, expanding access to learning, and generating research that advances quality education — for its own campus community and for the wider public it serves.

Five threads run through the pages that follow — campus teaching-and-learning initiatives, community outreach, academic events, library and learning resources, and education-focused research — each substantiated with the university's own data and photographic evidence, and closing with a combined view of SRMAP's contribution to SDG 4.



EDUCATION & CAMPUS INITIATIVES

At the institutional level, SRM University–AP's flagship contribution to SDG 4 is the sustained faculty-development programme run through its Teaching Learning Centre (TLC). Across the year, the TLC delivered a structured series of hands-on training programmes aimed at strengthening pedagogy, embedding digital and AI-enabled teaching tools into everyday instruction, and building faculty capacity in outcome-based curriculum design — the foundation on which classroom quality for every student ultimately rests.

7
TLC faculty-development programmes (2025–26)

205
Faculty participation instances across programmes

5
AI & digital-learning tools covered (Google Classroom, ChatGPT, Khanmigo & more)

Focus Areas of Campus Teaching-and-Learning Initiatives

Outcome-Based Education & Curriculum Design. Dedicated training equipped faculty with outcome-oriented curriculum planning, assessment design and structured course-preparation methods, strengthening the quality and consistency of teaching across departments.

Digital & AI-Enabled Teaching. Faculty were introduced to Google Classroom, ChatGPT, TeachEasy.ai, Khanmigo.ai and blockchain-based classroom applications, enabling technology-supported lesson delivery and more engaging student interaction.

Innovative & Inclusive Pedagogy. Sessions on flipped and blended learning encouraged faculty to design learner-centred experiences that extend beyond the traditional classroom, supporting more flexible and inclusive teaching practice.

Learning Infrastructure. Newly joined faculty received intensive orientation to teaching-learning methods, supported by modern, technology-enabled classrooms and lecture spaces across campus that provide the physical foundation for quality instruction.





OUTREACH

SRM University–AP extends quality education beyond its own campus through structured community outreach. During 2025–26, student and faculty teams carried out education-focused activities in government schools and community settings around Mangalagiri and Vijayawada — spanning interactive learning games, career guidance, life-skills awareness and creative-learning workshops — bringing SRMAP's educational resources directly to school-going children and rural youth.

● Quality Education — Treasure Hunt, Pitch About Yourself & Word Search

18 March 2026 | ZPHS Revendrapadu & ZPHS Pedavadlapudi | 132 participants

An interactive session combining a treasure hunt, a “pitch about yourself” exercise and a book-based word-search activity — building teamwork, communication and vocabulary skills through play-based learning.








● Career Guidance and Quizzes

9 March 2026 | Tadikonda | 110 participants

A career-guidance session for Classes 8 and 9 introduced students to academic streams and career pathways, paired with a subject quiz that made learning interactive and reinforced conceptual understanding.

● Career Roadmap: Navigating Future Aspirations for Rural Youth

ZPHS International School, Nidamaru

A bilingual English–Telugu programme for Classes 9 and 10 used a structured questionnaire and interactive presentation to introduce students to diverse career trajectories — including vocational training, civil services and emerging digital roles — reducing language barriers to career information for rural students.









● Good Habits vs Bad Habits — Colour-Based Learning Game

9 March 2026 | Sharon Charitable Trust Children's Home, Navuluru, Vijayawada | 36 children

A colour-coded, game-based session helped children distinguish good and bad habits related to hygiene, behaviour and social interaction — using visual, activity-based learning to make the lesson simple, engaging and inclusive.

● Newspaper Craft Activity — Creativity and Teamwork

9 March 2026 | Mangalagiri | 38 boys

Student volunteers guided a hands-on craft session in which school students worked in teams to create useful items from newspaper sheets — combining creative expression, practical problem-solving and communication practice.





EVENTS AND INITIATIVES

Beyond structured campus programmes and outreach, SRM University–AP's academic calendar for 2025–26 carried a wide range of events contributing to SDG 4 — technical conclaves, faculty-development workshops, research days, literary festivals and hands-on skill-building sessions. Across the reporting period, SRMAP recorded a total of 315 unique events

mapped to SDG 4 university-wide. The events presented below were identified as the strongest and most directly relevant contributions to quality education.

315

Total unique SDG 4 events recorded in 2025–26

● Outcome-Based Education (OBE) Training Programme

9 July 2025 | 27 participants | Teaching Learning Centre

Helped faculty understand outcome-oriented curriculum planning, teaching practice and assessment methods, supporting institution-wide capacity building for quality teaching.









● 5-Day Training Programme on Teaching-Learning Methods for Newly Joined Faculty

14–18 July 2025 | 57 participants | Teaching Learning Centre

An intensive orientation strengthening the teaching capabilities of newly joined faculty through exposure to effective pedagogical practices for higher education.

● Enhancing Teaching and Learning with Google Classroom and ChatGPT

30 July 2025 | 58 participants | Teaching Learning Centre

Introduced faculty to AI-powered education platforms — Google Classroom, TeachEasy.ai and Khanmigo.ai — for technology-enabled lesson delivery and student engagement.







● Teaching Beyond the Classroom: Course Curation with Flipped & Blended Learning

3 September 2025 | 5 participants | Teaching Learning Centre

Guided faculty in designing flexible, learner-centred courses using flipped and blended-learning approaches that extend teaching beyond conventional classroom delivery.

● Workshop on Course Preparation

22 September 2025 | 24 participants | Teaching Learning Centre

Supported systematic course planning and alignment of teaching activities with intended learning outcomes, improving organisation of academic content delivery.





● Innovating the Classroom with Blockchain Technology

24 October 2025 | 18 participants | Teaching Learning Centre

Explored applications of blockchain in education, encouraging faculty to integrate emerging technologies into innovative teaching practice.

● AI-Powered Teaching Excellence with Khanmigo

1 November 2025 | 16 participants | Teaching Learning Centre

A hands-on session where faculty used AI tools to create lesson plans, learning objectives and assessment rubrics — demonstrating practical AI applications in instructional design.









● World Statistics Day 2025

31 October 2025 | Department of Mathematics

Marked the UN theme “Quality Statistics and Data for Everyone,” with sessions on data reliability, visualisation ethics and statistical literacy that strengthened student research skills and faculty-student academic exchange.

● QC² — Quantum Computing Conclave 2026

24 March 2026 | Department of Computer Science and Engineering

Built awareness of quantum computing among undergraduate, postgraduate and PhD students and faculty, exposing participants to an advanced and emerging area of technical education.







● Summer School: Reading the Past, Rethinking the Present

26 May 2026 | Department of History

Introduced school students to historical research through heritage walks, source analysis and policy-simulation exercises, building critical reasoning and research skills through experiential learning.

● Five-Day FDP: Embedding SDGs in Higher Education Curricula

Faculty Development Programme

Built faculty capacity in outcome-based education and sustainable pedagogy, and explored strategies for embedding SDG principles and circular-economy concepts into curricula.







● Amaravati Literature Festival 2025

22 October 2025 | Department of Literature and Languages

Brought together writers, scholars and students for dialogue on literature, culture and society under the theme “The Asian Century,” enhancing intellectual engagement and cultural appreciation.

● Integrating Traditions: A Symposium on Indian Knowledge Systems (IKS)

22 May 2026 | Department of Political Science

Introduced participants to Indian Knowledge Systems and encouraged interdisciplinary dialogue between humanities, sciences and technology, laying groundwork for future IKS research collaboration.







● Tenth Research Day

10 April 2026 | Department of Mathematics

An annual seminar promoting knowledge creation, research skills and dissemination of scientific findings, encouraging innovation and critical thinking university-wide.

● Hands-on VR and AI Development Workshop

30 January 2026 | Department of Computer Science and Engineering

A no-prerequisite workshop giving students hands-on experience building a mini VR project while learning core AI and large-language-model concepts inside a virtual environment.







● Young Innovators System Lab (YISL): AR/VR Innovation Workshop

7 April 2026 | Department of Computer Science and Engineering

An Indo-U.S. hands-on workshop, held with the Indo-U.S. Science and Technology Forum and STEAM Varsity, introducing immersive AR/VR technologies through project-based learning.

● Pi Day

14 March 2026 | Department of Mathematics

An annual celebration of the constant π featuring invited talks and discussions that generated enthusiasm for mathematics and encouraged logical thinking and problem-solving among students.







● ImmersiveX Ideathon

31 March 2026 | Department of Computer Science and Engineering

A one-day ideathon in which students pitched AR/VR-based solutions to real-world problems, fostering innovation and practical understanding of immersive technology.

LIBRARY & LEARNING RESOURCES

The SRM University–AP Central Library operates as the university's Digital Learning & Resource Centre, supporting students, faculty and researchers across Engineering and Sciences, Entrepreneurship and Management, and Liberal Arts and Social Sciences. Located on the 12th floor of the C.V. Raman Block, the fully air-conditioned, RFID-enabled library is automated using Koha library software and provides access to NPTEL video courses, e-PG Pathshala, SWAYAM and other Government of India e-learning initiatives.

4,59,458	54,536	35,835	881
E-books (JSTOR & DELNET)	*E-journals / e-magazines / e-newspapers*	*Print volumes*	*CD / DVD-ROM resources*

Source: SRM University–AP official website, Life at SRMAP — Library (srmap.edu.in/life-at-srmap/library).

Beyond its physical and digital collection, the library provides remote access tools for online journals, a mobile application (mLibrary) for on-the-go access, and an Online Public Access Catalogue for locating resources quickly. Institutional subscriptions to EBSCO and other databases extend research support across disciplines.

These resources directly reinforce SDG 4 by ensuring equitable, round-the-clock access to learning and research material for the entire university community — supporting coursework, faculty research and independent, lifelong learning alike.






RESEARCH & PUBLICATIONS

SRM University–AP's contribution to SDG 4 extends into research, with 26 Scopus-indexed publications (2025–2026) mapped to SDG 4: Quality Education in Elsevier's SciVal database. This body of work spans educational technology, pedagogy, inclusive education and higher-education policy, and reflects growing international engagement, with 26.9% of these publications co-authored with institutions in other countries.

26	0.72	7	44
SDG 4-mapped Scopus publications	*Field-weighted citation impact*	*Internationally co-authored works*	*Total citations*

Source: Elsevier SciVal, Activity of SRM University-AP within SDG 4: Quality Education, year range 2025–2026 (data last updated 30 August 2026).

Selected Research Contributions

Technology Empowered Teaching and Learning in Language Education: A Systematic Review — Dash, N. & Mohapatra, L.M. (2025). Reviews the growing role of digital technology in language-education pedagogy, consolidating evidence on how technology-enabled methods are reshaping teaching and learning practice.

Need of AI in Modern Education: In the Eyes of Explainable AI (xAI) — Manna, S. & Sett, N. (2025). Examines how explainable AI can be applied responsibly within modern education systems, supporting transparent and trustworthy AI-assisted learning tools.

Blockchain and AI for Educational Data Analytics in the Modern Education System — Madupuri, R. et al. (2025). Explores blockchain and AI applications for secure, data-driven analytics in education — directly aligned with SRMAP's own faculty training on blockchain in the classroom.

AI-Driven AR/VR Technologies for Adaptive Learning in Language Education — Ammu, A.L. & Panchikkil, S. (2026). Investigates how AI-driven AR/VR technology can enable adaptive, personalised language-learning experiences.

Integrating Sustainable Development Goals in Higher Education: A Review and Framework — Dutta, D., Moganti, L.K. & Kundu, D. (2026). Proposes a framework for embedding SDGs across higher-education curricula and institutional practice, complementing SRMAP's own FDP on embedding SDGs in curricula.

A Data Mining and Fuzzy Logic Hybrid Model for Enhancing Instructional Quality and Student Success in Higher Education — Siddavatam, R.P. et al. (2025). Develops a hybrid analytical model to improve instructional quality and predict student success, supporting data-informed teaching improvement.

Hybrid Random Forest and Logistic Regression Model for Predicting Student Academic Performance in Higher Education — Jamuna Rani, K. et al. (2025). Applies machine-learning models to predict student academic performance, offering a tool for early academic support and intervention.

Comparing NEP 2020 and International Education Systems: Contextual Limits, Critical Debates, and Possibilities for Adaptation in India — Thakur, S. (2026). Provides a critical comparative analysis of India's National Education Policy 2020 against international systems, informing policy-level debate on educational reform.

CONCLUSION

Across 2025–26, SRM University–AP's contribution to SDG 4 has been built on tangible, verifiable action: seven structured faculty-development programmes reaching 205 participation instances, 315 recorded SDG 4-linked events university-wide, focused community outreach reaching several hundred school and rural-youth beneficiaries, a library serving the entire campus with close to half a million e-books and over 35,000 print volumes, and 26 Scopus-indexed publications advancing the global conversation on educational technology, pedagogy and access.

Taken together, these efforts show an institution strengthening quality education from multiple directions at once — improving how its own faculty teach, how its students learn, how its neighbouring communities access educational opportunity, and how new knowledge about education itself is created and shared. SRM University–AP remains committed

to deepening this contribution in the years ahead, expanding access, innovation and inclusion in education for its campus and beyond.