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DUK NEWSLETTER

Kerala University of Digital Sciences, Innovation and Technology
(Digital University Kerala)

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Centre for Digital Transformation in Culture (CDTC) Concludes CultureTech DUK Internship Programme 2026

The Centre for Digital Transformation in Culture (CDTC) at Digital University Kerala successfully concluded the CultureTech DUK Internship Programme 2026, a one-month internship organized for students of the University of Kerala. The valedictory ceremony was inaugurated by Dr. Rajan Khobragade, IAS, Additional Chief Secretary, Department of Health, Family Welfare and Culture, Government of Kerala.

The programme was presided over by Prof. Saji Gopinath, Hon'ble Vice Chancellor of Digital University Kerala. In his presidential address, he emphasized the transformative role of digital technologies in the preservation, documentation, and promotion of cultural heritage. He also encouraged students to leverage emerging technologies to safeguard and promote Kerala's rich cultural legacy for future generations.

The programme commenced with a welcome address by Dr. Malu G., Assistant Professor and Head of the Centre for Digital Transformation in Culture (CDTC), Digital University Kerala. She highlighted the key outcomes of the one-month internship programme and its positive impact on the participating students.



As part of the internship, the students curated content on various traditional art forms and contributed it to CDTC's Living Heritage Project through its public contribution platform, thereby enriching Kerala's growing digital cultural repository.

Delivering the valedictory address, Dr. Rajan Khobragade underscored the importance of integrating culture and technology to preserve and promote Kerala's rich cultural heritage. He appreciated the efforts of CDTC in developing technology-driven initiatives that support heritage preservation and encourage public participation. On the occasion, CDTC also launched its Digital Archives website, developed as part of its ongoing heritage preservation initiatives, in recognition of Dr. Khobragade's significant contributions to Kerala's cultural sector.

Felicitations were delivered by Prof. K. Pradeep Kumar and Prof. R. Ajith Kumar, faculty members of Digital University Kerala, and Prof. Sam Solomon, Director of the Centre for Undergraduate Studies. The vote of thanks was proposed by Prof. R. Girish Kumar, Director of the Science Policy Institute, Department of Political Science, University of Kerala.

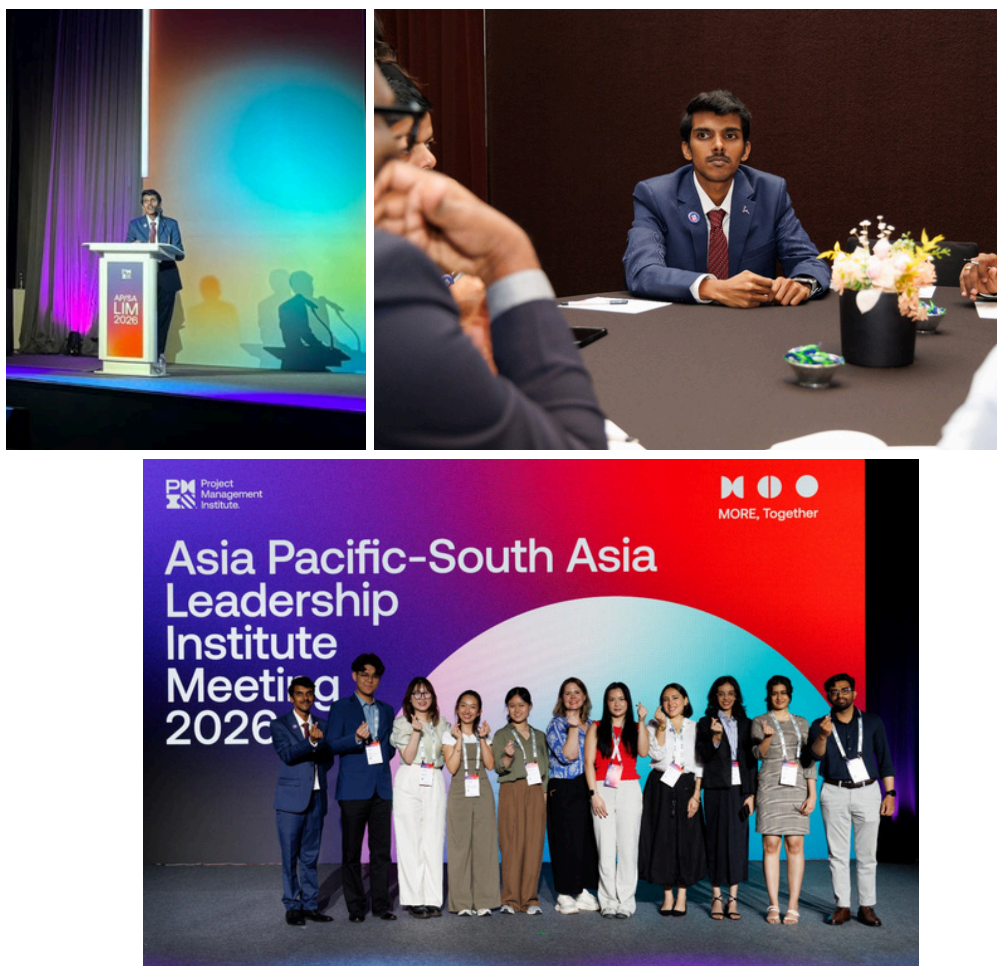


Student representatives also shared their experiences from the internship programme, highlighting the practical exposure they gained in cultural heritage documentation, data collection, digital technologies, and interdisciplinary research. They reflected on how the internship broadened their understanding of preserving and promoting Kerala's artistic and cultural heritage through digital innovation while equipping them with valuable research and technical skills.

PMI Student Club at DUK represented at APSA Leadership Institute Meet (LIM) 2026 in Seoul

The PMI-DUK Student Club proudly represented DUK and Project Management Institute- Kerala Chapter at the Asia Pacific South Asia Leadership Institute Meet 2026, held during 11–14 June 2026 in Seoul, South Korea.

Representing the club, Mr. Abhin A, S4 MBA student & president of the DUK's PMI Student Club, was selected to participate and present at the international leadership forum after a rigorous selection process. The event was attended by the Global PMI Board Directors, chapter leaders, volunteers, and student representatives from across the Asia Pacific and South Asia region. The event provided a valuable platform for leadership development, knowledge sharing, and global networking within the Project Management Institute (PMI) community. It is a matter of pride that this is the second time a DUK student is getting selected to participate in the PMI LIM.



A key highlight of the event was the presentation showcasing the journey, initiatives, and achievements of the DUK's PMI Student Club. The presentation featured the club's efforts in student engagement, mentoring initiatives, industry interactions, professional development activities, and community outreach, demonstrating the club's growing contribution to developing future project management professionals.

During the conference, Mr Abhin attended several impactful sessions, including "Student Engagement and Mentoring" and "Putting M.O.R.E into Practice," gaining practical insights into volunteer leadership, community building, and sustainable chapter development. The event also provided opportunities to interact with chapter leaders and PMI volunteers from different countries, fostering the exchange of ideas and best practices.

Participation in APSA LIM 2026 marks another significant milestone for DUK and the PMI Student Club at DUK, reflecting its commitment to developing student leaders with a global perspective while strengthening its collaboration with PMI Kerala Chapter and the wider PMI community. The knowledge, experiences, and international connections gained through this opportunity will contribute to future initiatives aimed at enhancing student engagement, leadership development, and professional growth within the university.

PMI Students Club at DUK conducts knowledge session

The Project Management Institute students' club at DUK organized an online knowledge session for the students on "How to step on the first level with confidence." The session was held on 21 June 2026 by the guest speaker, Amritha G., Automation Engineer, Tetra Pak, Pune.



The highly interactive talk covered topics on how a student should prepare for a career and the role of AI/ML in industry applications with a few real-life cases. Ananthu S, president of the PMI students' club, gave the welcome address and introduced the speaker. Shipra, VP- Communications, delivered the vote of thanks.

DUK Deploys Milk Tanker Tracking System for MILMA

As part of the IoT-based Cold Chain Monitoring and Tracking System developed for MILMA's Ernakulam Regional Cooperative Milk Producers' Union (ERCMPU), the CAN Lab and CDIPD at Digital University Kerala (DUK) have collaboratively designed, developed, and deployed two prototype Milk Tanker Tracking units. The system was successfully installed on two milk tankers at the ERCMPU facility in Ernakulam.

Key Features of the System:

Real-Time Surveillance: The IoT-based system provides continuous, 24/7 location tracking, transmitting data to a central server at regular intervals. This is intended to enable ERCMPU officials to ensure tankers adhere to designated routes, significantly reducing the risk of milk theft or adulteration.

Instantaneous Alerts: If the system is disconnected from the tanker's main battery supply—whether accidentally or intentionally—it triggers immediate remote alerts. Equipped with an internal backup battery, the device can continue functioning for over to 24 hours, allowing authorities to take swift remedial action.

Remote Management: The system is fully configurable remotely and supports Over-the-Air (OTA) firmware updates, ensuring that future software enhancements can be deployed seamlessly without requiring on-site maintenance.



International Yoga Day Celebration at DUK

Digital University Kerala observed International Yoga Day 2026 by organising a series of programmes aimed at promoting physical well-being, mental wellness, and holistic living among the university community. The observance aligned with the global theme, "Yoga for Healthy Ageing," highlighting the importance of yoga in fostering a healthy lifestyle, inner harmony, and overall well-being.

As part of the celebrations, the University conducted a Yoga Session with a Professional Trainer on 19 June 2026, providing faculty members, staff, and students with an opportunity to learn and practice yoga under expert guidance. The interactive session focused on yoga postures, breathing techniques, relaxation methods, and the long-term health benefits of regular practice.





The main programme on International Yoga Day was held on 21 June 2026 at the DUK campus, bringing together members of the University community in a collective celebration of wellness and mindfulness. Participants actively engaged in guided yoga exercises that emphasized physical fitness, mental resilience, and emotional balance. The programme concluded with breakfast, providing an opportunity for participants to interact and strengthen the sense of community.

The observance reflected Digital University Kerala's commitment to fostering a healthy, inclusive, and vibrant campus environment. By encouraging active participation from faculty, staff, and students, the University reaffirmed its dedication to promoting wellness as an integral part of academic and professional life.

The successful celebration of International Yoga Day 2026 demonstrated the University's commitment to holistic development and its support for national and global initiatives that encourage healthier lifestyles, community engagement, and sustainable well-being.

World Environment Day 2026 Celebrated at DUK

As part of the World Environment Day 2026 observance, DUK organized a Tree Planting Ceremony on 05 June 2026 at the University campus. The programme was led by the Hon'ble Vice Chancellor along with distinguished guests, reaffirming the University's commitment to environmental sustainability and ecological responsibility.

To mark the occasion, a Nature Photo Exhibition featuring photographs captured by DUK employees was displayed at the Reception. The exhibition celebrated the beauty of nature while promoting environmental awareness and appreciation among members of the university community.

Faculty, staff, and students actively participated in the tree planting initiative and visited the exhibition, making the celebration a meaningful tribute to World Environment Day.



Skoch Gold Award

The PM AJAY–UNNATHI Upskilling Programme for Scheduled Caste Communities, implemented by the Scheduled Castes Development Department, Government of Kerala, has been conferred the prestigious SKOCH Gold Award 2026 under the Social Justice & Security category.

Digital University Kerala is proud to have contributed to this state-level achievement through the successful implementation of the PM AJAY programme. Under the initiative, the University has trained 118 students in emerging technology domains. Of these, 78 students have already secured placements, while placement support for the remaining students is progressing actively through continued industry engagement and career facilitation.



The recognition highlights the impact of collaborative efforts between the Government of Kerala and Digital University Kerala in enhancing employability and creating sustainable livelihood opportunities for Scheduled Caste youth through high-quality, industry-oriented skill development programmes.

Innovation Incubator Advisory Visit to DUK

The Chairman and CEO, along with other officials from Innovation Incubator, visited Digital University Kerala on 03 June 2026. The meeting explored opportunities to strengthen industry-academia collaboration, with discussions centred on internships, skill development programmes, collaborative research, innovation, and expanding career prospects for students.



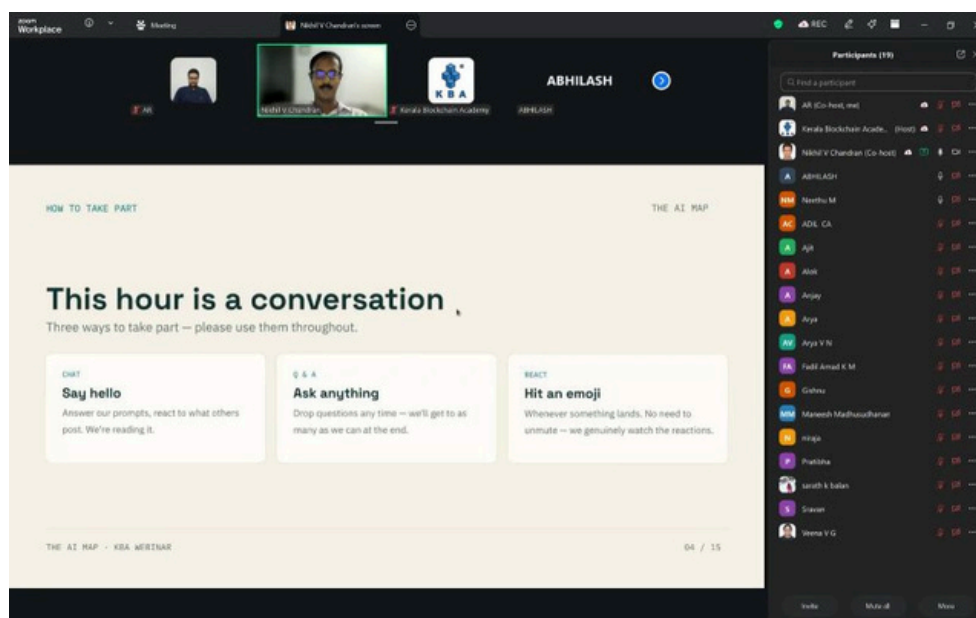
TCS TVM Head Visit to DUK

Tata Consultancy Services (TCS) Thiruvananthapuram, Centre Head, Shri Jayan Rajan visited DUK on 24 June 2026. The strategic interaction aimed at strengthening industry-academia collaboration.

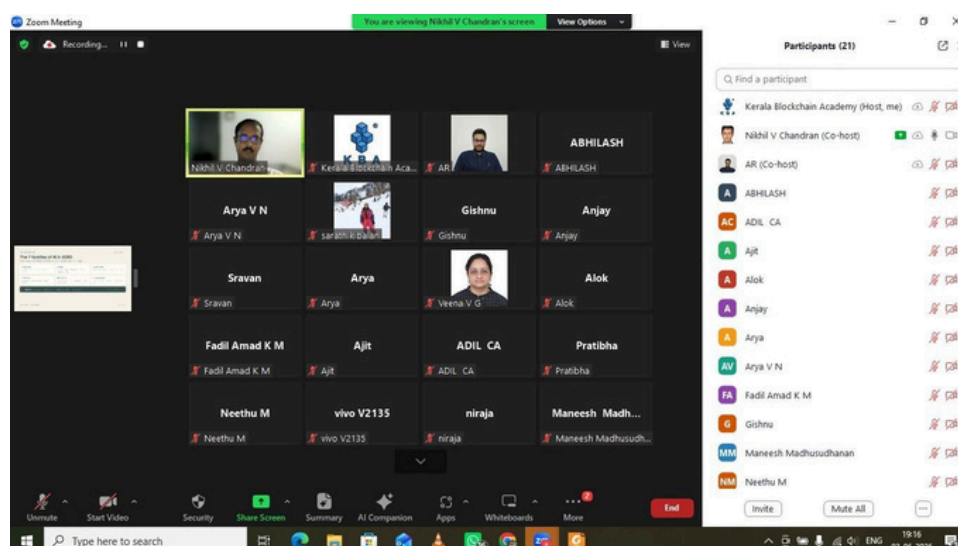


The AI Map: 2026 Primer Engages Participants in Exploring the Future of AI

The AI Map: 2026 Primer was conducted on 03 June 2026, bringing together learners, professionals, and technology enthusiasts to explore the rapidly evolving world of artificial intelligence. The session was facilitated by Nikhil V Chandran, introducing participants to the Seven Families of AI, helping them understand the diverse technologies and capabilities shaping the AI ecosystem.



The session covered topics including AI hallucinations, responsible AI usage, and essential safety practices for navigating the growing influence of AI in the current world.



The session introduced vibe-coding, showcasing AI-powered tools assisting software development. The session encouraged participants to look beyond AI as a tool and understand its broader impact on innovation, productivity, and the future of work. The session provided participants with practical insights and a stronger foundation for understanding the opportunities and challenges presented by the AI-driven future.

KEAM 2026 Results Made Available Through Nammude Keralam App

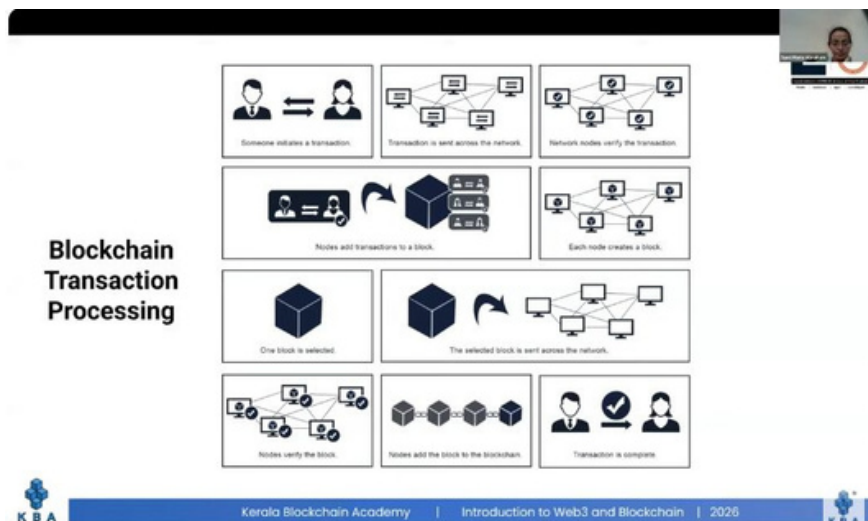
The KEAM 2026 results were made available through the Nammude Keralam mobile application, developed by Kerala Blockchain Academy for the Kerala State IT Mission, providing students with a seamless and convenient way to access their entrance examination results.

Students could view their results by logging into the Nammude Keralam app and entering their application details, eliminating the need to rely solely on conventional result portals. The integration of KEAM results into the Unified Service Delivery Platform further enhanced accessibility and ensured a smooth digital experience during one of the state's most significant admission processes. The inclusion of KEAM results follows the successful integration of SSLC, HSE, VHSE, and THSE examination results into the platform, reinforcing Nammude Keralam as a comprehensive digital gateway for citizen services and educational initiatives in Kerala.



Kerala Blockchain Academy Commences Blockchain Development Training with IIM Lucknow Enterprise Incubation Centre

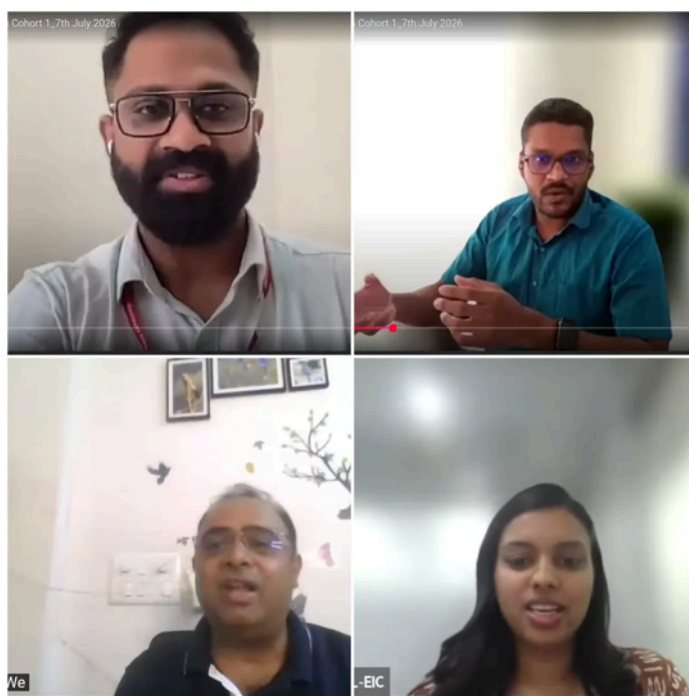
Kerala Blockchain Academy, as the Knowledge Partner of IIM Lucknow Enterprise Incubation Centre (IIML EIC), commenced the first cohort of the Blockchain Development Training Program for engineering students of JSS Academy of Technical Education, Noida under the structured Blockchain Technology Training Initiative.



The programme is designed to equip students with hands-on blockchain development skills and prepare them for emerging opportunities in the rapidly evolving Web3 ecosystem. Through a structured curriculum, participants gain practical knowledge of blockchain technologies, decentralised applications, and industry-relevant development practices, enabling them to build a strong foundation for careers in blockchain and Web3.

Kerala Blockchain Academy Mentors Blockchain Startups Under IIM Lucknow Enterprise Incubation Centre's UDBHAV Programme

The next phase of the Blockchain for Startups- UDBHAV programme commenced for blockchain startups incubated under the IIM Lucknow Enterprise Incubation Centre Centre of Excellence in Blockchain Technology. As the Knowledge Partner, Kerala Blockchain Academy conducted one-on-one mentoring sessions for the Digichain Pioneers startup. The sessions focused on validating blockchain use cases, evaluating implementation strategies, and providing technical guidance aligned with the startup's business objectives.



The mentoring covered key areas including tokenization strategies, the selection and implementation of public and private blockchain networks, and best practices for developing scalable, secure, and enterprise-ready blockchain solutions. The sessions provided valuable technical insights to strengthen the startup's technology roadmap and accelerate the development of transparent, secure, and trusted blockchain-powered solutions, reinforcing Kerala Blockchain Academy's commitment to nurturing blockchain innovation and entrepreneurship through strategic industry collaborations.

Patent Granted

Lakshmi R. Nair and Dr. Preetam Mukherjee have been granted an Indian patent in the field of Communication for their invention, "Dynamic Zone Adaptation for Security-Aware Network Slicing in 5G System." Indian Patent Number: 591554, Granted On: 08 June 2026

Articles

Balasubramaniam, S. (2026). HD-RAITE: A hybrid deep reinforcement learning framework for risk-adaptive identity trust management in zero trust environments. *Journal of Cloud Computing*. Springer. Advance online publication. <https://doi.org/10.1186/s13677-026-00943-0>

Vaishnavi, A., & Sherin, D. R. (2026). Recent advances in organofluoroprobes for brain imaging: Progress, challenges, and future directions. *ACS Pharmacology & Translational Science*. Advance online publication. <https://doi.org/10.1021/acsptsci.6c00096>

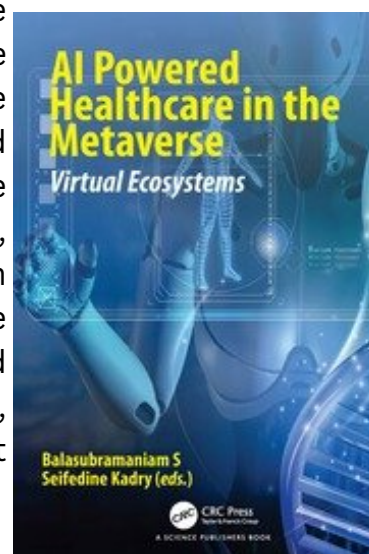
Book Published

Balasubramaniam, S., & Seifedine Kadry (Eds.). (2026). *AI powered healthcare in the metaverse: Virtual ecosystems*. CRC Press. <https://www.routledge.com/AI-Powered-Healthcare-in-the-Metaverse-Virtual-Ecosystems/S-Kadry/p/book/9781041105855>

Abstract

The convergence of AI and the metaverse is poised to revolutionize healthcare and other industries. Healthcare has undergone rapid transformation through the adoption of AI technologies, ranging from machine learning for diagnostics to AI-driven drug discovery and personalized treatments. Simultaneously, the development of immersive virtual environments, including the metaverse, has opened new frontiers in virtual interaction, training, and simulation. At the same time, the pandemic has accelerated the shift toward remote healthcare services such as telemedicine, highlighting the potential for virtual care ecosystems that transcend physical limitations.

This book explores the emerging field of AI-powered healthcare in virtual environments and provide readers with an understanding of how this technological integration will reshape the future of medical care.



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