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DIGITAL UNIVERSITY KERALA
Curating a responsible digital world

DUK Newsletter

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Table of Contents

CDIPD secured CMMI Maturity Level 3 Certification 03

DUK Felicitates CDIPD Team for Historic CMMI Certification 09

Chief Secretary visit to DUK 11

MoU signed between DUK and Travandio

Forest Department visit to DUK 12

Sri Rishi Raj Singh IPS visit to DUK 13

Lecture-cum-demonstration on Continuously Operating Reference Stations (CORS)

DUK team shines in PMI Leadership Excellence Program 15

Advancing Digital Transformation: DUK Deploys Deep Freezer Monitoring Unit for MILMA 16

Digital University Kerala's Centre for Digital Transformation in Culture Holds Second Advisory Committee Meeting 17

Centre for Digital Transformation in Culture, Digital University Kerala, Completes Selection for CultureTech Internship Programme 2026 18

Digital University Kerala Conducts AI Outreach Programmes in Colleges 19

Digital Univesity's Initiatives in Promoting Innovation at Schools 20

PGDeG Students Experience Next-Gen e-Governance in Andhra Pradesh 21

Relevance of Hackers in the Current Cybersecurity Landscape 23

Indigenous Knowledge Systems (IKS) Session 24

Vakvistara – Language Trivia Session

Hands on Workshop 25

Workshop on Introduction to Machine Learning at St. Mary's College

Patent Granted 26

Publications 27

CDIPD secured CMMI Maturity Level 3 Certification

The First and Only University in India to Earn This Global Distinction

In a landmark achievement that rewrites the boundaries of what a university can be, the Centre for Digital Innovation and Product Development (CDIPD) – An Independent Centre of Excellence established by Digital University Kerala has been formally awarded CMMI® Development Maturity Level 3 certification — making DUK the first and only university in India to earn this prestigious global distinction for a development centre. By securing this achievement CDIPD has now joined in the prestigious group of fortune 500 companies.

The Centre for Digital Innovation and Product Development (CDIPD) is dedicated to digital innovation, technology development, and knowledge extension. CDIPD designs and develops advanced digital solutions and applications for government, industry, and society — powered by state-of-the-art capabilities in Artificial Intelligence, Machine Learning, Deep Learning, Data Analytics, Full Stack Engineering, and Data Sciences. With a team of highly skilled engineers, data scientists, and technology and management professionals operating within a globally certified development environment, CDIPD is where ideas of consequence become products of impact.

CMMI - THE GLOBAL BENCHMARK

The Capability Maturity Model Integration (CMMI) is a globally recognised process improvement framework developed by the CMMI Institute. It is adopted by Fortune 500 corporations, defence and government organisations, and premier technology firms in over 100 countries. CMMI provides a structured five-tier model that evaluates not merely whether an organisation produces quality output, but whether it has the institutional processes to do so reliably, repeatably, and at scale.

CMMI (Capability Maturity Model Integration) stands apart from other quality frameworks in that it does not merely certify a product or a single project outcome — it certifies the organisational processes that produce results, making quality repeatable, predictable, and scalable across every team and every project. Unlike ISO certifications that primarily assess compliance with defined procedures, CMMI evaluates the depth of process institutionalisation — whether good practices are genuinely embedded in the organisation's culture or simply documented on paper. Its five-level maturity model provides a clear, measurable progression path, enabling organisations to benchmark themselves against global peers and demonstrate continuous improvement over time. For a technology development centre like CDIPD, CMMI Level 3 specifically signals that requirements management, project planning, risk mitigation, peer reviews, and quality assurance are no longer dependent on the instincts of individual contributors — they are organisation-wide standards that hold firm regardless of team size, project complexity, or leadership change.

This makes CMMI-certified organisations significantly more attractive to government agencies, enterprise clients, and research partners, who can commission work with confidence that deliverables will meet scope, quality, and timeline commitments — not by chance, but by design.

THE ACHIEVEMENT — CERTIFICATION DETAILS

CDIPD commenced the CMMI Level 3 implementation process in the year 2025. Following a comprehensive and rigorous appraisal process conducted by certified CMMI Lead Appraisers, CDIPD has been formally awarded CMMI® Development Maturity Level 3 certification. The official details of the certification are as follows

Certificate of Appraisal

The formal appraisal process involved documentary examination, system level verification, structured interviews with the Director, Senior Leadership, and team members across all levels, and evidence-based evaluation of process adoption across every project type, team composition, and experience level within CDIPD.

Digital University Kerala is the first university in India to earn CMMI Maturity Level 3 certification for a development centre — a distinction placing it alongside Fortune 500 companies, defence research institutions, and global technology leaders.

The Journey: Earned, Not Handed

The CMMI Institute estimates that fewer than 10 per cent of organizations that pursue CMMI Level 3 certification achieve it on the first attempt. CDIPD's journey was a full-scale transformation of its engineering culture — not a documentation exercise, but a living change in how every project is conceived, managed, reviewed, and delivered.

- **Internal Gap Analysis** - A frank and comprehensive assessment of existing practices against CMMI requirements, mapping gaps and charting a structured remediation roadmap.
- **Process Definition and Standardisation** - Development processes across all projects and teams were documented, standardised, and institutionalised — not as paper exercises, but as living practices embedded in daily operations.
- **Process Governance** - Robust governance mechanisms were established to ensure consistent adherence to processes and regular review cycles.
- **Training and Capacity Building** - Every team member was trained not only in what processes entailed, but in the rationale behind each element — building genuine process ownership.
- **Risk Management** - Proactive risk identification and mitigation frameworks were implemented across all active projects.
- **Peer Reviews and Quality Assurance** - Structured review mechanisms were integrated at every development stage to detect and prevent defects early.
- **Measurement and Analytics** - Data-driven metrics were established to monitor process performance and guide continuous improvement.
- **Formal Appraisal** - CDIPD underwent rigorous, evidence-based evaluation by certified CMMI Lead Appraisers, testing the depth and consistency of process adoption.

What Has Changed at CDIPD: Four Dimensions of Transformation

The CMMI Level 3 certification has effected a fundamental transformation across four key dimensions of CDIPD's operating environment:

Dimension	Outcome & Impact
Project Development Ecosystem	All projects now operate within a structured lifecycle framework spanning requirements, architecture, design, development, testing, review, and release — institutionalised and independent of individual team members.
Customer Focus	Requirements are rigorously elicited, formally validated, and traced end-to-end to every deliverable. Customer outcomes are significantly more predictable, reducing rework and increasing satisfaction.
Quality Assurance	Quality is embedded at every development stage through structured peer reviews, defined metrics, independent process quality audits, and systematic defect prevention — not merely end-of-pipeline detection.
Delivery Discipline	Earned value tracking, configuration management, and milestone-driven accountability enable stakeholders to commission work with full confidence in scope, timeline, and quality commitments.

A Word from the Vice Chancellor

History was made at Digital University Kerala — not in a lecture hall, not in a research paper, but on the engineering floor of CDIPD, where a team of remarkable professionals decided that being a university was no excuse for anything less than the best.
CMMI Maturity Level 3 is the gold standard of process quality. Fortune 500 companies pursue it. Defence organisations pursue it. Global technology giants pursue it. And now, for the first time in the history of Indian higher education, a university has achieved it. That university is ours.
I do not simply congratulate the CDIPD team. I salute them. They have permanently raised the bar for what every university development centre in this country must now aspire to."
- Prof. Saji Gopinath, Vice Chancellor, Digital University Kerala

STRATEGIC SIGNIFICANCE FOR DUK

This certification carries significance well beyond process compliance. It is a formal, independent validation of a transformative institutional model. Its strategic implications are multi-dimensional

- National First - No university in India — including IITs and centrally funded institutions — has previously earned this distinction for a development centre. DUK stands alone in this category nationally.
- Institutional Credibility - The certification provides a globally recognised, third-party endorsement of CDIPD's quality practices, lending credibility to all current and future institutional partnerships.
- Competitive Positioning - DUK is repositioned not merely as an academic institution but as a quality-certified technology development organisation — a distinction that opens doors to government contracts, industry collaborations, and research funding.
- Talent Ecosystem - Professionals choosing to work at or partner with CDIPD now do so within a globally benchmarked environment — an advantage in attracting high-calibre talent and research collaborators.
- National Model - DUK envisions CDIPD as a replicable national model for university-based technology development, proving that academic institutions can lead, innovate, and deliver at the highest global standards.

IMPLICATIONS FOR KEY STAKEHOLDERS

Stakeholder	Implication
CDIPD Professional Team	A globally benchmarked work environment that sharpens engineering skills, accelerates career growth, and provides professionals with industry-equivalent credentials.
Industry Partners	Assurance that collaborations with CDIPD are backed by structured, reliable, and high-quality development processes — comparable to the best technology companies.
Research Collaborators	A centre that manages joint projects with professionalism, transparency, and accountability.
Clients and Funding Agencies	A certified development partner meeting procurement-grade quality standards for government digital initiatives.
Prospective Partners & Faculty	Digital University Kerala as an institution that demonstrably walks the talk on quality, innovation,

A Word from the DIRECTOR, CDIPD

"'When we embarked on the CMMI journey, we were not chasing a certificate - we were building a culture. Every process we defined, every review we structured, every standard we refused to compromise on, was an act of faith in the belief that a university development centre could operate at the level of the world's finest technology organizations.

Today, that belief has been independently validated by the highest global standard in process quality. This certification belongs to every member of CDIPD who showed up with discipline, held the bar high, and never settled for good enough. I could not be prouder of this team."

- Dr. Ajith Kumar R, Director, CDIPD, Digital University Kerala

Looking Ahead: A Milestone, Not a Destination

The CMMI Maturity Level 3 certification marks a milestone, not a destination. The Centre is committed to deepening its culture of continuous improvement, expanding its portfolio of high-impact digital innovation projects, and attracting leading government and industry partnerships. A roadmap toward CMMI Maturity Level 4 (Quantitatively Managed) is already under evaluation. CDIPD remains committed to a continuous improvement roadmap, with the following priorities:

- Sustained Process Excellence - Ongoing process audits, retrospectives, and improvement cycles to maintain and deepen the quality culture established through the CMMI journey.
- Expanding the Innovation Portfolio - Leveraging the certified processes to attract more complex, high-impact projects from government, industry, and research partners.
- Progression Pathway - Evaluating the feasibility of advancing towards CMMI Maturity Level 4 (Quantitatively Managed) over the medium term.
- National Replication - Contributing to a national discourse on university-based technology development, positioning DUK as a resource and model for other institutions.

DUK Felicitates CDIPD Team for Historic CMMI Certification

Digital University Kerala proudly hosted a felicitation ceremony for the team of the Centre for Digital Innovation and Product Development (CDIPD) in recognition of a truly historic achievement – securing CMMI® Development Maturity Level 3 certification and becoming the first and only university in India to earn this prestigious global distinction for a development centre. The function, held on 22 April 2026 at the Digital University Kerala campus, brought together faculty members, administrative staff, and the full CDIPD team in a celebration that reflected the immense pride and joy of an entire University community honouring a milestone that no Indian university had ever reached before.

Prof. A. Mujeeb, Registrar, Digital University Kerala, welcomed all the participants and delivered a felicitation speech, extending warm congratulations to the team and paying tribute to the Director and every engineer, project manager, quality assurance professional, and team member whose collective dedication made this historic achievement possible. Hon. Vice Chancellor Prof. Saji Gopinath delivered the presidential address and felicitated the entire CDIPD team led by Dr. Ajith Kumar, Director, commending their unwavering commitment to quality and their disciplined pursuit of global process excellence. Both the Registrar and the Vice Chancellor conveyed the University's deep pride and expressed full confidence in CDIPD's continued growth and impact.

Dr. Ajith Kumar, Director, CDIPD, delivered a speech on behalf of the team, extending his heartfelt gratitude to the senior leadership of Digital University Kerala - especially the Hon. Vice Chancellor, the Registrar, all faculty members, staff and CDIPD team - for their unwavering support and encouragement throughout this journey. The felicitation was a moment of genuine pride for the entire University community - a fitting recognition of a team that held itself to the standards of the world's finest technology organisations and delivered on that promise. The CMMI Maturity Level 3 certification stands as a lasting testament to the talent, discipline, and shared vision of every member of the CDIPD family.

Chief Secretary visit to DUK

On 17 April 2026, the Chief Secretary of Kerala, Dr. A. Jayathilak IAS, visited Digital University Kerala, marking a significant occasion in the University's ongoing efforts to strengthen digital education, innovation, and research in the State.

During the visit, he interacted with the faculty members, researchers, and students, and reviewed the various academic, research, and innovation initiatives undertaken by Digital University Kerala.

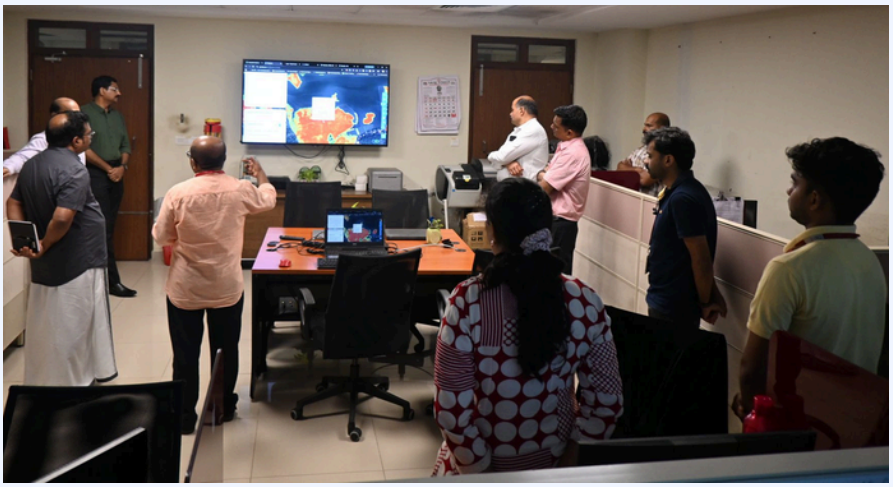


MoU signed between DUK and Travandio

Digital University Kerala (DUK) signed a Memorandum of Understanding (MoU) with Travandio on 27 April 2026 to strengthen collaboration in the areas of digital innovation, technology development, skill enhancement, and industry-academia engagement. The partnership aims to create opportunities for collaborative research, internships, training programmes, and knowledge sharing in emerging technologies and digital transformation initiatives.

Forest Department visit to DUK

Shri Rajesh Ravindran, IFS, Principal Chief Conservator of Forests & Head of Forest Force, Dr. P. Pugazhendi, IFS, Principal Chief Conservator of Forests (Finance, Budget & Audit), Dr. L Chandrasekar IFS, PCCF (FM) and Santhosh Kumar DCF (FMIS) visited DUK on 21st April 2026. Hon' Vice Chancellor, Prof. Saji Gopinath, Dr. Manoj Kumar, Dr. Ajith Kumar, Dr. Radhakrishnan and Shri. Jayachandran from DUK attended the meeting. The discussion explored the potential R&D initiatives and avenues in Geospatial/MIS/AI in Forest Management. Earlier DUK has been listed as Total Solution Provider for Forest Department in Geo/IT/AI areas.



Sri Rishi Raj Singh IPS visit to DUK

Sri Rishi Raj Singh IPS visited Digital University Kerala on 28 April 2026. He was warmly welcomed by the Hon'ble Vice Chancellor and the Registrar of the University. During the visit, he interacted with the faculty members and discussed various academic, research, and innovation initiatives being undertaken by the University in the fields of digital technologies, cyber security, and emerging technologies.

Lecture-cum-demonstration on Continuously Operating Reference Stations (CORS)

The lecture-cum-demonstration on Continuously Operating Reference Stations (CORS), jointly organized by Digital University Kerala in collaboration with the Survey of India, was successfully conducted on 29 April 2026 at Gallery Hall 45, DUK.

This event was held as part of the MoU signed on 3 February 2026, aimed at strengthening academic and research collaboration in Geoinformatics, AI & ML for geospatial applications, Geodesy, Astronomy, and allied engineering domains.

The session was delivered by Shri Ch. V.S.S. Prasad (Deputy Superintending Surveyor) and Shri Shyju John (Surveyor), Survey of India, who provided valuable insights into:

- Fundamentals of Geodesy and Coordinate Reference Systems
- GNSS principles, errors, and positioning techniques
- CORS technology, data communication, and validation
- Real-Time Positioning (RTK/NRTK) with high-precision accuracy
- Integration of CORS with GIS and Remote Sensing workflows
- Policy and implementation landscape of CORS in India
- Practical demonstrations and field-oriented techniques

The session offered participants a comprehensive understanding of high-precision geospatial positioning systems, bridging theoretical concepts with real-world applications. The interactive lecture and hands-on components were highly beneficial for students, researchers, and professionals in the geospatial domain.

Sincere thanks were expressed to the experts from the Survey of India for an engaging and insightful session, and to all participants for their active involvement. We look forward to many more collaborative initiatives under this partnership.

DUK team shines in PMI Leadership Excellence Program

DUK celebrated the standout performance of the PMI DUK students club team in the Project Management Institute (PMI) South Asia-powered “Campus-to-Career" engagement initiative. PMI is the world's largest professional organization in the field of project management. The “Campus-to-Career" program, launched in December 2025, challenged student leaders of the club to blend structured learning and a high-stakes hackathon. From the PMI student clubs across the region, only three teams reached the pre-finals, two advanced to the finals—and the DUK team emerged as a top performer, securing recognition on an international stage.

Our team, consisting of Abhin A, Neha Krishna, Sneha Santhosh, and Vaisakh S—all S4 MBA students—emerged as the proud finalists. The winning hackathon project, a testament to seamless teamwork, was crafted collaboratively by Abhin A, Harikrishnan R, Neha Krishnan, and Sneha Santhosh, showcasing the spirit of innovation and collaboration under intense time pressure.

We are especially proud that Abhin, the president of the PMI students' club at DUK, has been selected to represent us at the Asia Pacific Leadership Institute Meeting (LIM) to be held in Seoul, South Korea, this June 2026. Sneha Santhosh, vice president, earned a sponsored spot at the PMI South Asia Conference (PMSAC) to be held in Bangalore this October. These opportunities, supported by the PMI Kerala Chapter, will let them connect with global leaders and elevate Kerala's student talent worldwide.

From left: Hariskrishnan R, Sneha Santhosh, Neha Krishna, Abhin A, Vaisakh S

We congratulate all the DUK PMI student club participants who contributed towards this remarkable achievement under the guidance of K Pradeep Kumar, faculty advisor of the club.

Advancing Digital Transformation: DUK Deploys Deep Freezer Monitoring Unit for MILMA

As part of the IoT-based Cold Chain Monitoring and Tracking System being developed for the Ernakulam Regional Cooperative Milk Producers' Union (ERCMPU) division of MILMA, the CAN Lab and CDIPD of Digital University Kerala worked together to design, develop, and install the first unit of the Deep Freezer Monitoring System. The system was successfully deployed on a Walk-in Deep Freezer at the ERCMPU facility in Muvattupuzha.

Key Features of the System:

- Real-Time Surveillance: The IoT-based system provides continuous, 24/7 monitoring of both temperature and power status, transmitting data to a central server at regular intervals.

- Instantaneous Alerts: In the event of a power failure or temperature deviation that threatens product safety, the system triggers immediate local and remote alerts. This allows ERCMPU authorities to take rapid remedial action, significantly reducing the risk of spoilage.

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

In the coming months, more such systems will be installed in the other facilities of ERCMPU. This installation is an example of how DUK's specialized device development can translate directly into enhanced food safety for the state's dairy sector.

Digital University Kerala's Centre for Digital Transformation in Culture Holds Second Advisory Committee Meeting

The Second Advisory Committee Meeting of the Centre for Digital Transformation in Culture (CDTC), held at Mascot Hotel, Thiruvananthapuram, on 18 April 2026, brought together academicians, cultural experts, government officials, and industry representatives to discuss the future of digital cultural preservation. The meeting was chaired by Shri K. Jayakumar, IAS (Retd.), Chairman of the Advisory Committee. Participants included Dr. Rajan N. Khobragade, IAS, Additional Chief Secretary, Cultural Affairs Department; Prof. Saji Gopinath, Vice Chancellor, Digital University Kerala; Prof. Rajan Gurukkal, Vice Chairman, Kerala State Higher Education Council; Prof. B. Ananthakrishnan, Vice Chancellor, Kerala Kalamandalam; Mr. M. G. Radhakrishnan, Senior Journalist; Dr. Pramod Payyannur, Film-Theatre Director and Member Secretary, Bharath Bhavan; Mr. Hari M. R., Managing Partner, Invis Multimedia; Dr. Elizabeth Sherly, Emeritus Visiting Professor, DUK; and Dr. Malu G., Assistant Professor and Convener, CDTC. Prof. Saji Gopinath highlighted the role of AI, data analytics, and digital archiving in cultural preservation, while Shri K. Jayakumar stressed authentic documentation and sustainable cultural resource management. Dr. Malu G. presented CDTC's progress report on digital cultural preservation and research initiatives.

The Advisory Committee members expressed their appreciation for the Centre's activities in effectively bridging academia, art and culture, digital technologies, and society. The committee also discussed and envisioned the Centre's future roadmap, with an emphasis on expanding interdisciplinary collaborations, digital cultural initiatives, and research-oriented activities. The meeting concluded with a clear roadmap for the Centre's future initiatives in cultural preservation, research, and dissemination.

Centre for Digital Transformation in Culture, Digital University Kerala, Completes Selection for CultureTech Internship Programme 2026

The Centre for Digital Transformation in Culture (CDTC) under Digital University Kerala (DUK) successfully completed the selection process for the CultureTech DUK Internship Programme 2026 on 10 April 2026 in association with the University of Kerala. This one-month interdisciplinary internship programme is offered free of cost. The programme received participation from students of Kerala University belonging to diverse academic backgrounds, including Arts, Literature, Management, Political Science, and Computer Science, with applicants from both national and international locations.

During the event, Dr. Malu G., Assistant Professor, School of Computer Science and Engineering, and Head of CDTC, delivered a talk in which she highlighted the relevance of developing digital systems that are relevant for society and the need of interdisciplinary studies to achieve these goals. The session also presented the academic and research opportunities offered by Digital University Kerala and introduced the objectives and structure of the CultureTech Internship Programme. Following the screening test and interview processes, the final list of selected candidates was published on 13 April 2026. The internship programme commenced on 29 April 2026.

Digital University Kerala Conducts AI Outreach Programmes in Colleges

Digital University Kerala (DUK) conducted outreach programmes at Nirmala College, Muvattupuzha, and Newman College, Thodupuzha, on 25 March 2026 aimed at creating awareness on emerging technologies and future career opportunities in Artificial Intelligence. The sessions were delivered by faculty experts from the University, including Dr. Malu G., Assistant Professor in the School of Computer Science and Engineering, addressing the theme "AI for Good," highlighting the responsible and ethical applications of Artificial Intelligence. Dr. Sini V. Pillai, Assistant Professor at the School of Digital Humanities and Liberal Arts, delivered a session on staying relevant in a rapidly evolving AI-driven world. Dr. Christie Thomas Cherian, Assistant Professor in the School of Electronic Systems and Automation, who spoke on emerging computing and energy storage technologies for AI systems.

The programme saw active participation from students across disciplines, reflecting strong interest in AI-based careers and interdisciplinary learning opportunities.

Digital Univesity's Initiatives in Promoting Innovation at Schools

The interview features an interaction between Shri Abhishek Ranjan, Innovation Officer, MIC, Ministry of Education, GoI, and Shri Sarath SM, Innovation Officer, DUK, discussing about Digital University's initiatives to support school level innovation and entrepreneurship. The interaction highlights how higher education institutions can effectively handhold students through mentorship, lab access, and technical guidance to build a robust pipeline of future innovators. The session serves as an inspiring call to action for other universities to move beyond their campuses and engage with local schools in contributing to the vision of becoming a developed nation by 2047.

You Tube Link : https://www.youtube.com/watch?v=yhekoP137OA

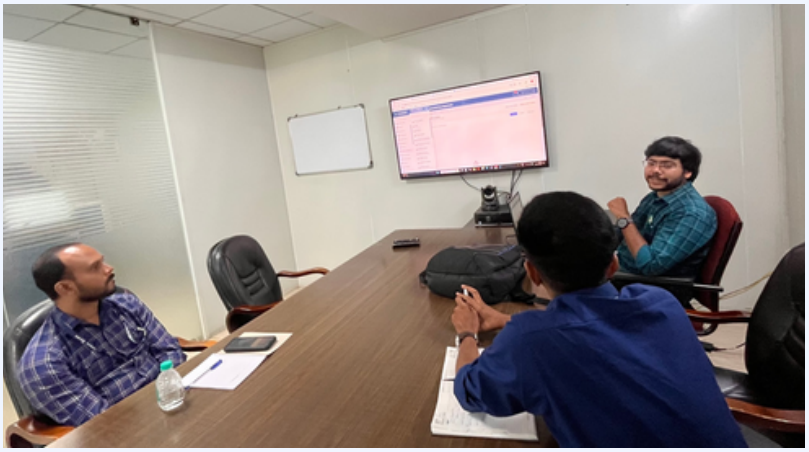
PGDeG Students Experience Next-Gen e-Governance in Andhra Pradesh

Students from the Post Graduate Diploma in e-Governance (PGDeG) Course 2025-26 recently completed an extensive study visit to Vijayawada to observe Andhra Pradesh's digital transformation initiatives.

Transforming Tax Administration at APCTD

At the Commercial Taxes Department (APCTD) headquarters, the delegates met with Shri A Babu IAS, Chief Commissioner of State Taxes, AP. His visionary leadership and deep technological understanding have driven a remarkable digital transformation in the state. During the visit, the team studied the Andhra Pradesh Tax Analytics & Compliance System (APTACS). They observed firsthand how the department uses data analytics for advanced risk identification, AI-driven case allocation and automated return scrutiny systems. Andhra Pradesh Commercial Tax Department truly stands as a role model for every tax department in the country. The department's integrated use of AI, analytics, automation, and real-time monitoring has transformed conventional tax administration into a data driven ecosystem.

PGDeG Students with Shri A Babu IAS,CC



Attending sessions of APTACS

Real time governance society facility

Real-Time Governance Society (RTGS)

The visit also included an in depth look at the Real-Time Governance Society (RTGS). The visiting officials observed Asia's largest real-time command and control center in action, learning how the state leverages big data analytics, drone surveillance, machine learning, and IoT sensors to ensure agile, responsive public administration. Key highlights included studying the citizen Datalake and interoperability of all departments through Real time governance department, Spandana grievance redressal ecosystem, Citizen sentiment analysis system and the state's progressive shift towards widespread 'WhatsApp Governance'.The DUK team also had a meeting with RTGS Ceo Shri.Prabhakar Jain,IAS at RTGS HQ Secretariat,Amaravati.

Visiting team to Andhra Pradesh comprised a diverse group of delegates from across various departments, including Arun M K (Intelligence Officer, GST Dept), Sarath Nath S P (Deputy Controller, Legal Metrology Department), Sherin Roy C S (Senior Clerk, Registration Department), Syam Sankar S (Scheduled Caste Development Officer, Scheduled Caste Development Department), Saurav K J (Junior Accountant, Department of Treasuries), and Gokul G Nair (Clerk, Collegiate Education Department).

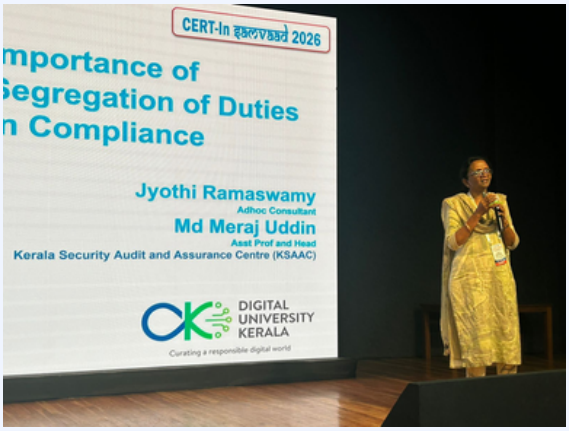
Relevance of Hackers in the Current Cybersecurity Landscape

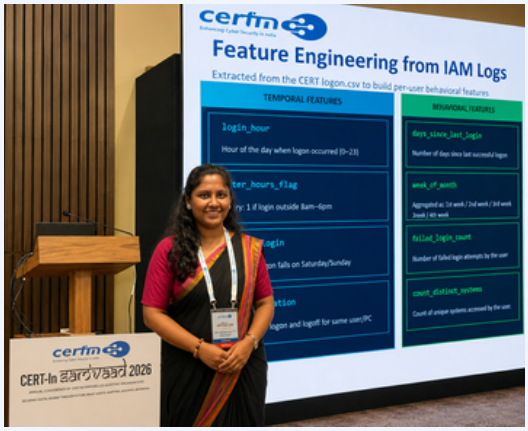
KSAAC participated in a Faculty Development Programme hosted by the Department of Computer Science & Engineering (Cyber Security), Jyothi Engineering College. KSAAC delivered a session on “Relevance of Hackers in the Current Cybersecurity Landscape” on 09 April 2026.

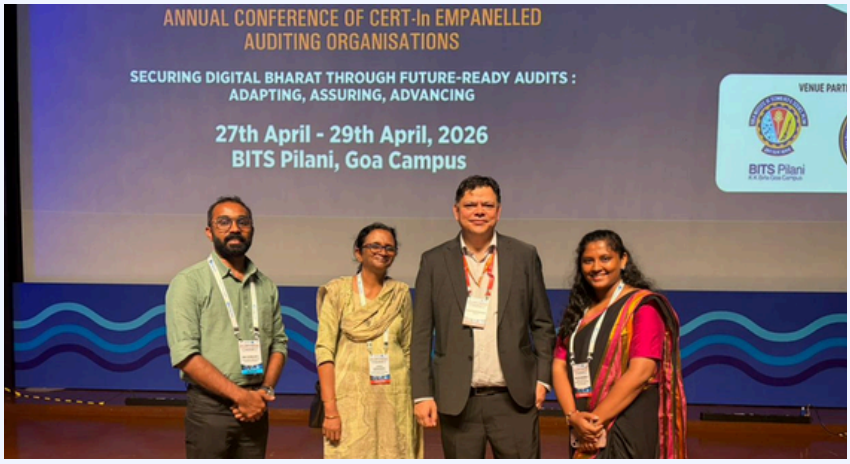
The session was led by Prof Md Meraj Uddin, Assistant Professor at Digital University Kerala. The talk focused on the various categories of hackers and their impact on modern cybersecurity frameworks. Special emphasis was placed on the role of ethical hackers in identifying vulnerabilities, enhancing system resilience, and supporting organizations in building secure digital infrastructures.

The session also covered real-world cyber threats, recent attack trends, the growing importance of proactive security measures such as penetration testing, vulnerability assessments, and security audits and job opportunities for graduating students. Participants were introduced to the concept of “thinking like a hacker” to better understand potential attack vectors and develop effective defense strategies.

The interactive discussions enabled participants to relate theoretical concepts to practical, real-world scenarios. The session was well received by faculty members and students, who actively engaged throughout and gained valuable insights into the dynamic and evolving cybersecurity landscape.

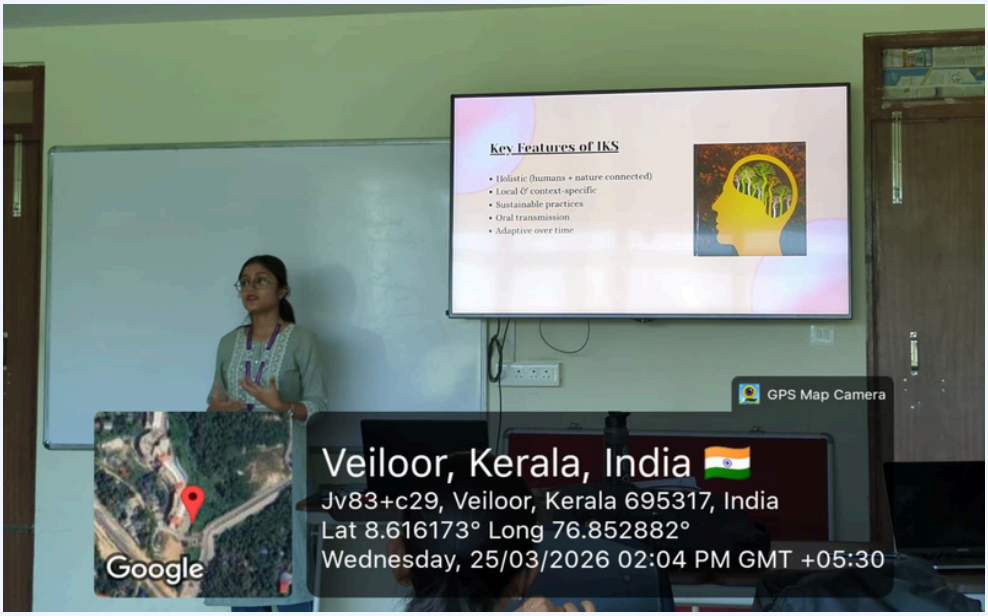






Indigenous Knowledge Systems (IKS) Session

An interactive session on Indigenous Knowledge Systems (IKS) was organised on 25 March 2026 as part of the NEP Saarthi initiative. Conducted by Ms. Poushali Banerjee, the session highlighted the relevance of indigenous knowledge in sustainable practices and interdisciplinary learning, featuring engaging discussions and a question-and-answer session with active student participation. The session was informative and well received.



Vakvistara – Language Trivia Session

Vakvistara, a Language Trivia session, was organised as part of the NEP Saarthi initiative in collaboration with the Social Engagement Cell (SEC) programme "ഇത്തിരി നേരം, ഒത്തിരി ഓർമ്മ" at the college front area. The programme promoted multilingualism and cultural awareness through interactive activities, cultural exchanges, and student participation, creating an engaging platform to appreciate India's linguistic diversity.

Workshops/ Training Programs

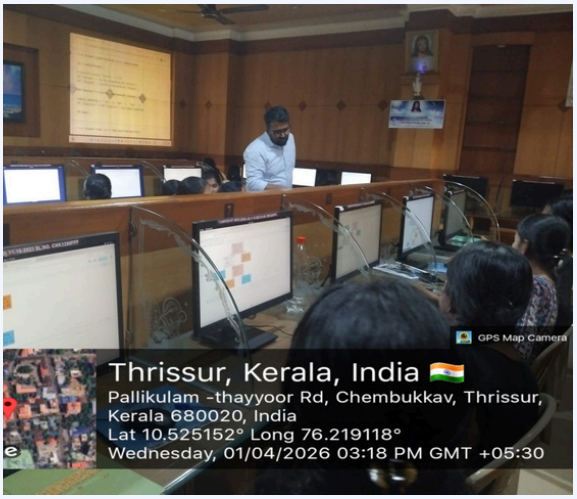
Hands on Workshop

Dr. Sherin D R from the School of Digital Sciences, Digital University Kerala (DUK), conducted a 2-day hands-on workshop on “AI for Molecular Sciences: From Concepts to Practical Applications” on 16-17 April 2026 at SB College, Changanassery.

The session was attended by teachers, students, and PhD scholars from chemical and life sciences. It covered basic concepts and practical applications of AI in molecular sciences.

Workshop on Introduction to Machine Learning at St. Mary’s College

The PG & Research Department of Mathematics at St. Mary’s College (Autonomous), Thrissur, in collaboration with Digital University Kerala, organized a specialized workshop titled "Introduction to Machine Learning" on 01 April 2026. The full-day program, held at the BCA Lab, was designed to introduce students to the foundational principles and mathematical logic behind machine learning algorithms.



The workshop was led by Dr. Aswin V S, Computational Scientist and Assistant Professor at Digital University Kerala. Throughout the sessions, participants explored the practical applications of data-driven modeling and its growing significance in modern research. Organized under the leadership of HoD Dr. Anjaly Kishore and staff coordinators Dr. Sowmya K and Dr. Sinu N Vijayan, the event provided students with valuable technical insights and a clear perspective on the future of the computational sciences.

Patent Granted

EUROPEAN PATENT GRANTED TO DR. JOSE JOSEPH

Dr. Jose Joseph has been granted a European patent for his work titled “Pulse Train Excitation for Capacitive Micromachined Ultrasonic Transducers,” carried out during his postdoctoral research at Stanford University.

Patent citation:

- Ma, B., Firouzi, K., Khuri-Yakub, B. T., & Joseph, J. (2026). Pulse train excitation for capacitive micromachined ultrasonic transducers (European Patent No. EP4093292). European Patent Office. Granted April 1, 2026

ISRAELI PATENT GRANTED TO DR. JOSE JOSEPH

Dr. Jose has been granted an Israeli patent for his work titled "Contoured electrode and/or pulse train excitation for capacitive micromachined ultrasonic transducers" carried out during his postdoctoral research at Stanford University.

Patent citation:

- Ma, B., Firouzi, K., Khuri-Yakub, B. T., & Joseph, J. (2026). Contoured electrode and/or pulse train excitation for capacitive micromachined ultrasonic transducers (Israeli Patent No. 294825). Israel Patent Office. Granted May 12, 2026

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Muraleedharan, V., P, S. N., Rajan, S. C., & Jaishanker, R. (2026). Hybrid network of leaf veins observed in tree species. Flora, 339, 152982. https://doi.org/10.1016/j.flora.2026.152982

Gowri Gopal, K., Robi, L. S., & Sherin, D. R. (2026). Molecular insights into fibromyalgia: Association of hub genes with pain targets, neuropathic pathways, and stress-related hormones. In Silico Pharmacology, 14(2), 135. https://doi.org/10.1007/s40203-026-00636-1

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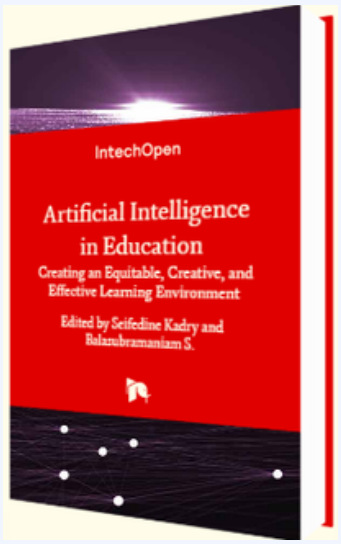
Aromal, C. J., & Datta, S. (2026). Graph-FISTA-Net: Graph-guided unrolled iterative networks for compressed sensing MRI reconstruction. In Proceedings of the IEEE International Symposium on Biomedical Imaging (ISBI 2026), London, UK. IEEE.

Books Published

Kadry, S., & Balasubramaniam, S. (Eds.). (2026). Artificial intelligence in education: Creating an equitable, creative and effective learning environment (1st ed.). IntechOpen. https://doi.org/10.5772/intechopen.1008616

About this book



Artificial Intelligence is rapidly transforming education, reshaping how learners engage with knowledge and how educators design meaningful, equitable learning experiences. This edited volume offers a concise yet comprehensive examination of AI in education, highlighting the potential of intelligent systems to support personalization, enhance assessment, expand access, and improve teaching and learning across diverse educational levels. At the same time, it addresses crucial ethical, bias, transparency, equity, and human agency issues, underscoring the need for responsible, human-centered AI integration.

Drawing on global perspectives and research-driven insights, the book explores AI-powered learning environments, adaptive feedback, generative AI tools, and emerging models of curriculum design, teacher preparation, and institutional readiness.

Saini, H. K., Balasubramaniam, S., Ouaissa, M., & Ouaissa, M. (Eds.). (2026). Federated and trustworthy AI for climate-resilient cyber-physical systems: Foundations, applications and challenges (1st ed.). Springer. https://doi.org/10.1007/978-3-032-28847-9

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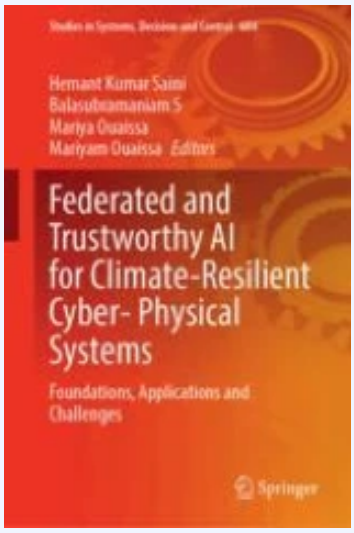

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