

# DIGITAL UNIVERSITY KERALA

# NEWSLETTER

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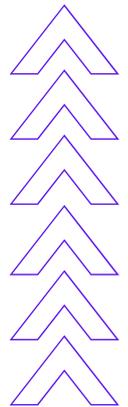
# HIGHLIGHTS

## DUK excels at Wings 2025 Academic Conclave

Students and faculty from Digital University Kerala (DUK) showcased exceptional performance at WINGS 2025, the annual academic conclave organized by the Project Management Institute (PMI) Kerala Chapter on Nov 1, 2025 at Hotel Dimora, Thiruvananthapuram. The event celebrated innovation, leadership, and excellence in project management across academic institutions in Kerala. Student teams from DUK won accolades in various competitions held as part of the conclave

### Best Conference Paper Award

Won by Neha Krishna V G, Sneha Santhosh, Abhin A, and Harikrishnan R of Sem 3, MBA



### Best Project Award

The Best Project Award was proudly won by Justin Eapen George, Rohit Krishna, Anurag Sajeev, Anargh T, and Alan Simson, students of the third semester M.Tech Computer Science and Engineering program.



## Best Project Runner-Up

The Best Project Runner-Up Award was won by Vaisakh S, Salu J B, and Ajsal Jaman P T, students in the S3 MBA program, for their impactful and innovative project.



## Best Faculty Award

The Best Faculty Award (Runner Up) was presented to Pradeep Kumar K, Assistant Professor, SoDiHLA, in recognition of adopting innovative teaching methods and contribution to developing creative and effective learning practices.



## Celebrating Excellence

The achievements at WINGS 2025 are a testament to Digital University Kerala's vision of empowering students through innovation, research, and collaboration. All the student teams won the awards based on the projects undertaken by them as part of the Digital Access for Community Empowerment (DACE) course at DUK.

The recognition from the PMI Kerala Chapter underscores the university's contribution in solving social problems adopting digital technologies. The achievements and active participation of students also highlight DUK's growing presence in professional and academic forums.

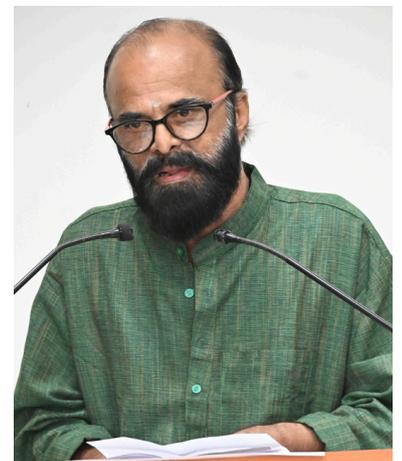
Congratulations to all the award winners for bringing pride to Digital University Kerala!



## Kerala Piravi Day Talk – Madhuram Malayalam

In connection with Kerala Piravi Day, Digital University Kerala organized and successfully conducted a special talk on “Madhuram Malayalam” by distinguished chief guest Shri. Chirayinkeezhu Radhakrishnan on November 03, 2025 from 2:30 PM to 3:30 PM.

Shri. Radhakrishnan, a renowned Assistant Director in the Malayalam film industry, Writer, Actor, English teacher, and Documentary Filmmaker based in Thiruvananthapuram, graced the occasion with his insightful session. The former Programme Director at Amrita Television, he has directed more than 500 documentaries. His documentary Ekandhathayude Aazhimughangal earned him the Best Television State Award, while Kayyoppu received the Film Critics Award twice. He is also the recipient of the Best Documentary Award, Thikkurissi Award, Bharath Gopi Award, and Adoor Bhasi Award, along with national recognition for his acclaimed documentary Rithuragam: Melody of Season, based on the life of lyricist Sreekumaran Thampi.



The session, held in celebration of Kerala Piravi, saw enthusiastic participation from faculty members, research scholars, staff, and students, who joined together to honour and celebrate the beauty of the Malayalam language and culture.



## thingQbator Innovation Mela

thingQbator DUK organized a two day Innovation program consisting of an Idea pitching event, mentoring sessions and a technical quiz for participants from DUK and near by institutions.



# GIS Day 2025 at Digital University Kerala: A Day of Insightful and Interactive Learning

Digital University Kerala proudly celebrated GIS Day 2025 on November 19, 2025, centered around the theme “Exploring the Evolving Landscape of Geospatial Intelligence.” The event was held in Room No. 117, bringing together students, researchers, and professionals passionate about geospatial technologies.

The session featured three distinguished speakers:

- Mr. Sooraj Kandathil Babu, Managing Director and CEO, NeuBiom Labs, Wayanad, Kerala
- Ms. Pravina Moses, Director, Hubert Enviro Care Systems, Chennai, Tamil Nadu
- Dr. T. Radhakrishnan, Chair, SoDS, DUK

All the speakers delivered highly engaging and informative talks, offering valuable insights into current trends, innovations, and real-world applications of geospatial intelligence. Their presentations were not only technically enriching but also interactive, encouraging participants to ask questions and explore new ideas.

The event provided an excellent opportunity to learn more about the work and vision of NeuBiom Labs and Hubert Enviro Care Systems. Dr. Radhakrishnan emphasized the growing importance and vast potential of geospatial techniques in today’s technological landscape. He highlighted how fortunate students are to be studying this field and applying their knowledge through various projects. He encouraged everyone to maintain their enthusiasm, deepen their expertise, and use geospatial intelligence to make meaningful and transformative contributions to society.

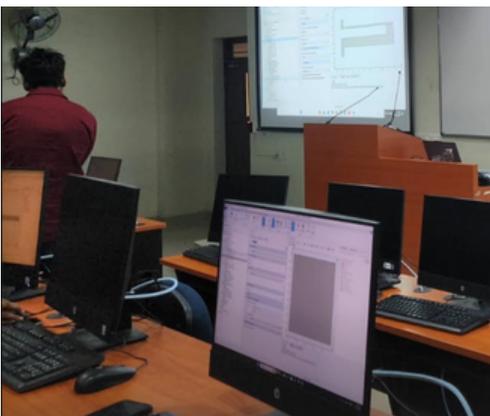
Through insightful discussions, participants gained a clearer understanding of the significant role these companies play in geospatial research, environmental monitoring, and technological development. The interactive nature of the sessions also facilitated professional networking, enabling attendees to build valuable connections that may support future collaborations or career opportunities.

Overall, GIS Day 2025 was a highly successful and enriching experience, offering deep insights into the evolving field of geospatial intelligence and strengthening the link between academia and industry.



## Introduction to Comsol Multiphysics : IEEE SB DUK and Interactive Learning

IEEE SB DUK conducted a session on "Introduction to COMSOL Multiphysics" at Digital University Kerala on November 26, 2025. The session was taken by Adhish S S (MSc Applied Physics student), and he handled the subject in a very professional manner, which made the course enjoyable. The session was attended by around 15+ participants.



## TinyML Workshop - IEEE SB DUK

IEEE SB DUK conducted another session as Workshop on TinyML at Digital University Kerala on November 27, 2025. The workshop was taken by Vasudev S Mallan (Research Scholar, DUK). He is also Graduate Student Member of IEEE SB DUK. His dedication and way of teaching made the event more interesting and engaging. Around 20+ participants attended this workshop.



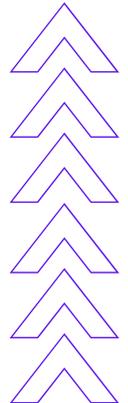
## Presentation at the 17th International Human Resource Management (IHRM) Conference, Dubai

Dr. Sini V. Pillai attended and presented a paper at the 17th International Human Resource Management (IHRM) Conference, held at the Dubai Business School, University of Dubai, in collaboration with the American University of Dubai and the United Arab Emirates University, and in association with the British Academy of Management, London, from October 28-30, 2025.

The conference theme – “Global Cities, the Future of Work, and the Evolving Landscape of International Human Resource Management” brought together leading scholars and practitioners from across the world to discuss the future of work, the impact of artificial intelligence, global talent strategies, and cross-cultural collaboration.

Dr. Sini presented her research on an equally significant question: “What about the future of people in the future of technology?” Her presentation explored the evolving human dimension in technology-driven workplaces, highlighting the importance of empathy, adaptability, and continuous learning in shaping sustainable, human-centric work environments.

The highly selective conference provided an enriching platform for global exchange of ideas and insights, fostering collaborations at the intersection of technology, people, and management.



## Virtual Training Session on Drillbit Plagiarism Software

A virtual training session on the DrillBit Plagiarism checking software was conducted for the Knowledge Centre staff on November 28, 2025 by Mr. Akash S., Training Manager, DrillBit. The session covered essential features and functionalities of the platform. The staff from the Knowledge Centre actively attended the session and shared that it was highly informative and very useful in enhancing their workflow and understanding of plagiarism detection tools.

### Let Us Dream: Community Conference – Empowering Local Voices, Healing Minds, and Co-creating a Resilient Future

The Let Us Dream organisation, in collaboration with the Social Engagement Centre, organised the 2025 Community Conference on November 29, 2025, themed “Empowering Local Voices, Healing Minds, and Co-creating a Resilient Future.” The event was held at the nodal office of Christ University, Vazhuthacad. Fourteen active volunteers from the Social Engagement Centre and volunteers from other colleges organised the event, giving them invaluable practical experience organising and running a large-scale conference. The programme brought together diverse speakers, including community workers, health professionals, researchers, students, social innovators, and technology experts such as Indira S Ballal (Works independently for street dogs sterilizations), Sudha Ganesh (Musician , Music Therapy), Ashla Rani (Trustee, Pallium India), Alu Krishna AL (Femella Foundation), Hizan Rahman (Student, Digital University Kerala), Sulekha A K (Full time research scholar), Mercy Alexander (Sakhi, Project Coordinator), Sona Raju(Student), Mrs. Santha Jose (President, Asraya Volunteer organisation), Ardhra Benny (Data Analyst), Gautham Ravindran (Co-founder and CEO - Volunteer for India), Robin Tomy (Digital technology strategist, Impact innovator), Dr. Paul Augustine (Head, Division of Surgical Oncology, RCC), and Anna Koshy (Sr Manager - Delivery Services), each contributing meaningful insights from their respective fields.

The conference was strengthened by the support of partnering organizations, including PMI Kerala, Digital University Kerala, CHRIST University Nodal Office, SWIM, Nadi Foundation, Itzserene, Climatehood Foundation, People for Animals, Clipit Store, Kamalika Jewels, Kerala International Centre–Youth Forum, and PlayFest. Together, the event created a vibrant platform for dialogue, learning, and collaboration, reaffirming the importance of collective effort in building resilient communities and empowering local voices.

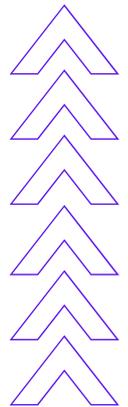
The conference created a meaningful space where community members, volunteers, students, and experts came together to listen, learn, share, and dream of a more resilient future. The event reaffirmed the belief that local voices, when empowered, can drive powerful transformation—and that healing, innovation, and resilience are built through collective effort.



## Harmony Within: Bringing Happiness to Work and Family Life

The Social Engagement Centre, Digital University Kerala, conducted a community-level well-being session for ASHA workers of Parassala Block Panchayat on the theme “Harmony Within: Bringing Happiness to Work and Family Life.” The session was facilitated by Arya R Chandra Project Officer, focusing on simple practices to cultivate happiness, emotional balance, and personal well-being.

A key takeaway from the session was that happiness is not a destination; it is something we nurture through small, intentional actions every day, both at work and at home. We express our heartfelt gratitude to the ASHA workers for their dedicated service and to the Parassala Block Panchayat for inviting us and making this initiative impactful. We remain committed to creating community spaces that promote well-being, empowerment, and positive change.



## PUBLICATIONS

Ghosh, Arka, Ditale, Domenico, Albanese, Massimiliano, & Mukherjee, Preetam (2026). Optimizing IDS rule placement via set covering with capacity constraints. *Computers & Security*, 161, 104748. <https://doi.org/10.1016/j.cose.2025.104748>

Vijay, Jithu P., Shahanas I.N., Thampi, Sabu M., & Nair, Aiswarya S. (2026). A quantum-secure digital signature-based communication protocol for the Internet of Drones (IoD). *Journal of Network and Computer Applications*, 245, 104398. <https://doi.org/10.1016/j.jnca.2025.104398>

# Book Published

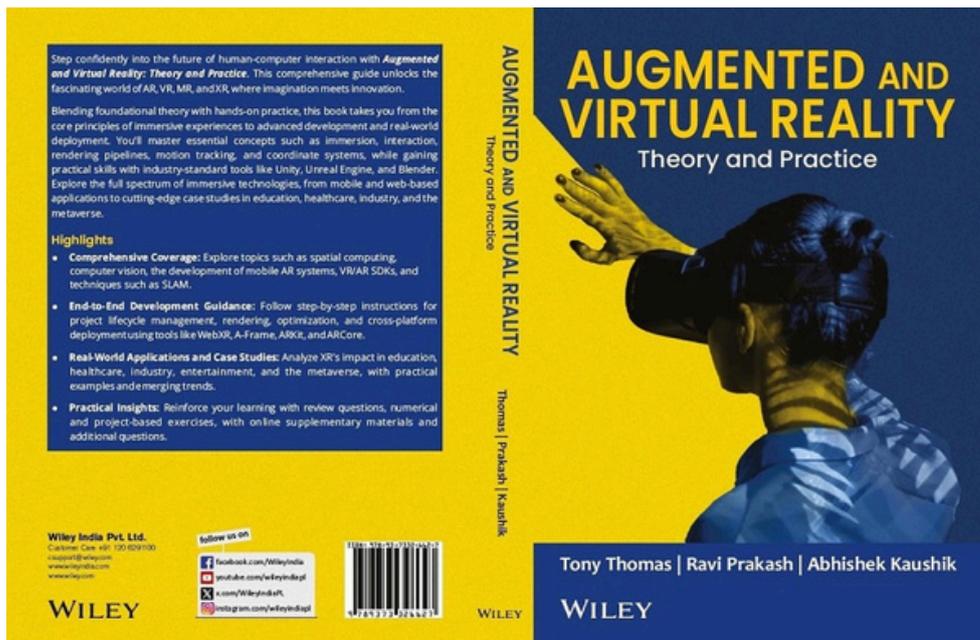
**Augmented and Virtual Reality: Theory and Practice, Tony Thomas, Ravi Prakash, and Abhishek Kaushik, Wiley, November 2025**

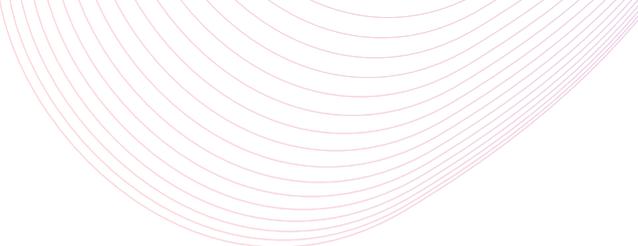
## About the Book

In an era defined by immersive experiences and digital convergence, *Augmented and Virtual Reality: Theory and Practice* is a comprehensive guide to mastering AR, VR, MR, and XR technologies. This book bridges foundational theory with hands-on application, empowering readers to design, develop, and deploy cutting-edge immersive solutions.

From understanding the three pillars of VR—immersion, interaction, and imagination—to exploring motion tracking, SLAM, rendering pipelines, and gesture-based interfaces, the book offers a structured approach to immersive computing. It goes beyond basics to cover end-to-end development practices, including Unity, Unreal Engine, Blender, and frameworks like ARKit, ARCore, WebXR, and A-Frame. The text is enriched with real-world case studies in education, healthcare, industry, and the metaverse, alongside chapters on security, privacy, and ethics—critical for today’s XR ecosystem. Each chapter includes review questions, exercises, and project-based activities, supported by online resources with code samples and outputs.

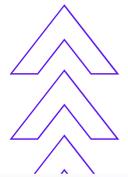
Whether you’re a student, educator, researcher, or industry professional, this book is more than a textbook—it’s a roadmap to creating immersive experiences that shape the future





## Key Features

- ✓ Comprehensive coverage of AR/VR fundamentals, hardware, software, and development tools.
- ✓ End-to-end development lifecycle with practical guidance for mobile, web, and cross-platform XR projects.
- ✓ Case studies and applications across education, healthcare, industry, and entertainment.
- ✓ Security, privacy, and ethical frameworks for immersive environments.
- ✓ Aligned with AICTE syllabus, ideal for academic and professional learning





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