



UNIVERSITY KERALA

Curating a responsible digital world



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Curating a responsible digital world

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NEWSLETTER

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



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DUK EVENTS

DUK Signs MoU with C-DAC Thiruvananthapuram to Drive Innovation and Research in Emerging Technologies

The Digital University Kerala (DUK) has signed a Memorandum of Understanding (MoU) with the Centre for Development of Advanced Computing (C-DAC), Thiruvananthapuram, on 6th March 2025, marking a significant step toward fostering Collaboration in Research, Development, and Skill Enhancement in cutting-edge technologies.

C-DAC, an autonomous Scientific Society under the Ministry of Electronics and Information Technology (MeitY), Government of India, has been at the forefront of high-performance computing, multilingual computing, strategic electronics, software technologies, cybersecurity, and ICT applications for socio-economic development. With its registered office at Savitribai Phule University, Pune, C-DAC has been instrumental in pioneering advancements in AI, Cyber Security, Digital Forensics, Healthcare and E-Governance solutions.

Through this partnership, DUK and C-DAC will collaborate in key areas, including:

- ✓ Joint R&D projects in emerging technologies
- ✓ Knowledge exchange to enhance skills and competencies
- ✓ Faculty and staff collaborations, including invited talks and lectures
- ✓ Student projects and internships to provide hands-on industry exposure
- ✓ Facility sharing to maximize research and development impact
- ✓ Other innovative initiatives of mutual interest

This collaboration aligns with DUK’s vision to drive digital transformation and technological innovation, ensuring that students, researchers, and faculty gain exposure to real-world challenges and solutions in advanced computing and ICT domains.



DUK Signs MoU with C-DAC Thiruvananthapuram to Drive Innovation and Research in Emerging Technologies



MoU Signed for AI-Based Transliteration of Kerala's Historical Archives

A Memorandum of Understanding (MoU) was signed between Digital University Kerala (DUK) and the Kerala State Archives Department to collaborate on the transliteration of historical archives. Kerala, known for its rich cultural heritage, holds a vast collection of ancient manuscripts, including palm leaf records and copper plate inscriptions, many of which are at risk of extinction. The initiative aims to preserve these valuable cultural assets using AI-based transliteration tools. This partnership is expected to enhance accessibility, ensure long-term preservation, and support scholarly research and public engagement. The Centre for Digital Transformation in Culture (CDTC) will conduct a feasibility study, and upon positive outcomes, will move forward with further steps to address the complex nature of scripts, languages, and document conditions. The collaboration marks a significant step towards safeguarding Kerala's heritage and advancing the State's vision of becoming a Knowledge Economy.



Prof. A. Mujeeb, Registrar, DUK, and Ms. Parvathy S., Director, on behalf of the Archives Department, signed an MOU for the transliteration of palm leaf manuscripts under the Centre for Digital Transformation in Culture (CDTC)



DUK PROGRAMS

DUK Hosts Session on IPR: A Tool to Protect Inventions and Creativity

DUK IPR Cell, in collaboration with the Research Office and Institution’s Innovation Council (IIC), successfully organized an insightful session on “IPR: A Tool to Protect Inventions and Creativity” on 05th March 2025, from 2:00 PM to 3:30 PM at DUK.

This session was led by Mr. Safikh S, Technical Officer at KSCSTE, Sasthra Bhavan, Trivandrum, who shared his expertise on the significance of Intellectual Property Rights (IPR) in safeguarding innovations and fostering a culture of creativity. He provided valuable insights into various forms of IP protection, including patents, copyrights, and trademarks, and discussed their role in research, startups, and industry collaborations.

The interactive session saw enthusiastic participation from faculty, researchers, and students, who engaged in discussions on the nuances of IP filing and commercialization. This initiative aligns with DUK’s commitment to nurturing an ecosystem of innovation and research excellence.



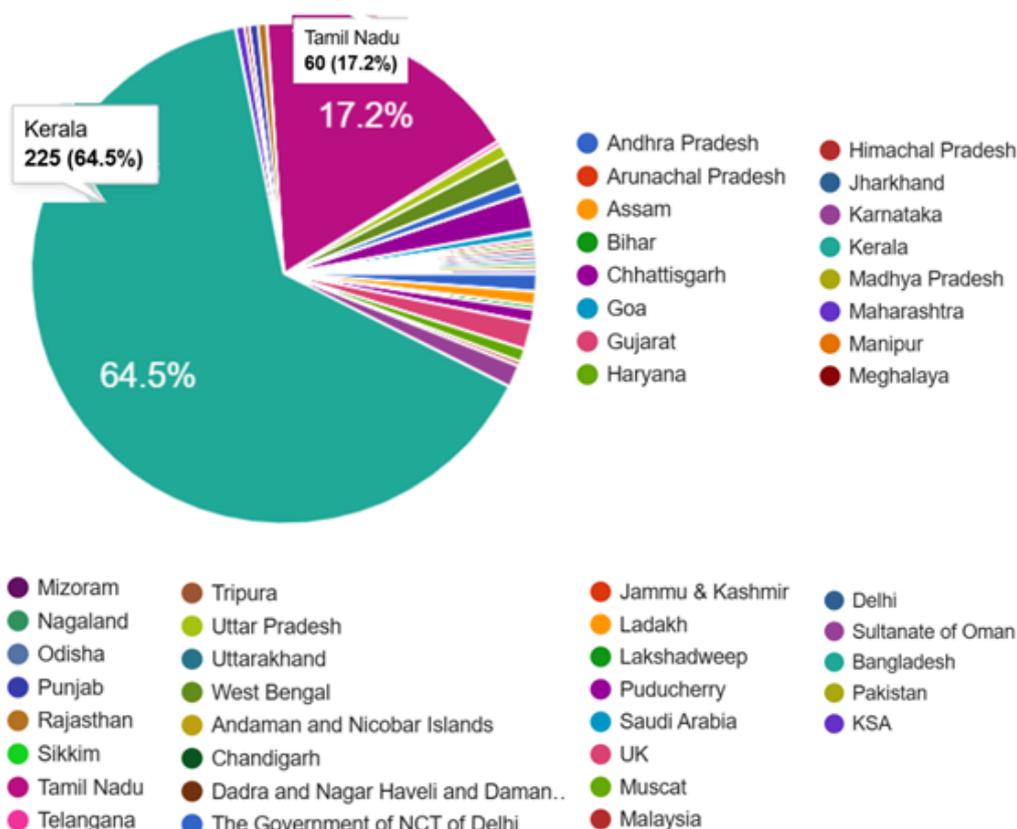
Data Science: A Successful Workshop Series By The School Of Digital Sciences

The School of Digital Sciences successfully concluded an engaging online workshop series, "Exploring Data Science: Opportunities for Graduates in Science, Mathematics, and Engineering," from 27th January to 08th February 2025. The series, held daily from 6:00 PM to 7:30 PM, featured four, three-day workshops, each aligned with one of our Master's programs. These workshops covered:

- Data Analytics & Computational Science: Tools and Techniques
- Machine Learning: Redefining Boundaries in Healthcare and Drug Discovery
- Exploring Geoinformatics through Data Science
- Data Science: Automating Knowledge Discovery, Driving Innovation, and Shaping the Future

Expert speakers from the School, including Dr. Aswin V S, Dr. Manoj Kumar T K, Dr. Radhakrishnan T, Dr. K Satheesh Kumar, Dr. Sherin D R, Dr. Shweta Srivastava, Dr. Sishu Shankar Muni, Mr. Nikhil, and Mr. Aneesh Kumar, shared their expertise with the participants. Dr. Shamjid P from the School of Digital Sciences coordinated the workshop series.

The workshop series garnered a remarkable response, with approximately 1,000 registrations per workshop. Over 250 participants attended the sessions, including undergraduate students and faculty members from diverse disciplines. Around 40% joined from outside Kerala, and some participants joined internationally. The free workshop series provided e-certificates to all attendees. Participant feedback was overwhelmingly positive, highlighting the engaging content, speaker expertise, and practical insights gained.



CDTI Team Conducts Session on MS Excel Power BI at IMG

Project staff from the Center for Digital Transformation and Innovation (CDTI), Digital University Kerala led a session on MS Excel Power BI as part of the training program “Data Analytics – Various Tools and Techniques” held from 4th to 6th February 2025 at the Institute of Management in Government (IMG), Thiruvananthapuram.

The session was handled by Vimal D Kumar (Research Associate), Deepthimol N K (Research Assistant), and Helen Varghese (Data Engineer), providing participants with hands-on experience in data analytics and visualization.



INSTITUTE OF MANAGEMENT IN GOVERNMENT, THIRUVANANTHAPURAM

Government of India Sponsored

DATA ANALYTICS - VARIOUS TOOLS AND TECHNIQUES (04.02.2025 to 06.02.2025)



Yoga Sessions for Wellness and Mindfulness

On 05th February 2025, Yoga Classes were started to promote wellness, flexibility, and mindfulness among participants. The session held regularly at 5:30 PM in the open space on the 3rd floor, DUK. These sessions have been well-received, with attendees appreciating the structured approach, serene atmosphere, and expert guidance. Each class includes postures (asanas) for physical well-being and relaxation techniques for mental clarity. With consistent participation and positive feedback, the sessions continue to be an excellent opportunity for both students and staff to engage in holistic well-being.



National Science Day Celebration Inauguration at Government Women’s College, TVM

Prof (Dr) A Mujeeb, Registrar Inauguration of National Science Day celebration and key note address on “Nano- Bio Photonics: Recent Research and Applications” at Government Women’s College, Thiruvananthapuram on 28th February 2025.

Workshop on Internet of Things for ATL Students

The Institution's Innovation Council (IIC) and the Innovation Club DUK organized a one day hands-on workshop on Internet of Things (IoT) for the ATL students from KV Pattom on 12th February 2025.



Inspiring Futures: Sree Ayyappa College's Academic Tour to Digital University Kerala

Digital University Kerala (DUK) hosted a campus tour for students and faculty from Sree Ayyappa College, Eramalikkara, Alappuzha, offering them a glimpse into cutting-edge developments in digital science and technology. The event was organized by the School of Computer Science and Engineering (SoCSE) and held on 04th February 2025.

The programme commenced at 10:00 AM with an inaugural address by Prof. A. Mujeeb, Registrar, who warmly welcomed the guests and highlighted the university's vision of empowering the next generation through digital excellence.

Following the inauguration, Dr. Malu G. delivered a talk on "Curating a Responsible Digital World," emphasizing real-world applications, ethical digital practices, and the importance of responsible use of digital technology. This was followed by Dr. Preetam's session on "Security Modeling and Risk Analysis," which provided valuable insights into critical aspects of cybersecurity.

Prof. Elizabeth Sherly captivated the audience with her presentation on "AI Dos and Don'ts," discussing best practices in responsible AI development and deployment.

Dr. Tony Thomas then delivered an engaging talk titled "The AI Era: How Computer Science is Redefining the Future," highlighting transformative trends in AI-driven innovation. The event concluded with a session on "Neuronavigation" by Dr. Abhishek, introducing attendees to advanced applications of computing in neuroscience and medical technology.

The campus tour to Circuits and systems lab and Integrated sensors lab provided an enriching experience for the visiting students, offering them valuable academic exposure and sparking curiosity about future career opportunities in digital technologies.



Inspiring Futures: Sree Ayyappa College's Academic Tour to Digital University Kerala



Social Engagement Centre (SEC)

Blood Donation Drive at Digital University Kerala

The Social Engagement Centre (SEC) of Digital University Kerala (DUK) successfully organized a Blood Donation Drive on 12th February 2025, at the university campus. This initiative encouraged voluntary blood donation and raised awareness about its vital role in saving lives.

The drive was held in collaboration with Thejas and the Sree Chitra Tirunal Institute for Medical Sciences & Technology, ensuring participants' safe and hygienic environment. The event received an overwhelming response from students, faculty, and staff, with 71 individuals generously donating blood.

Through this initiative, the SEC highlighted the critical importance of regular blood donations, which are essential for medical emergencies, surgeries, and treatment of chronic illnesses. The dedicated volunteers and organizers worked diligently to ensure the smooth and efficient operation of the event, making it a resounding success. This blood donation drive is a testament to DUK's spirit of compassion and community service, reinforcing the university's commitment to social responsibility. The Blood Donation Drive was led by SEC Coordinator, Asst. Prof. Pradeep Kumar K, SEC Project Officer Mrs. Arya R. Chandra, SEC Project Associate Ms. Fousiya C. K., and the dedicated SEC volunteers, who played a pivotal role in initiating and organizing the event. Their leadership and commitment were instrumental in ensuring the success of the drive.





Social Engagement Centre (SEC)
Blood Donation Drive at Digital University Kerala

Social Engagement Centre (SEC) DUK Conducts Successful Book Donation Drive at Athiyanoor Grama Panchayat

The Social Engagement Centre (SEC) of Digital University Kerala (DUK) organized a successful book donation drive at Athiyanoor Grama Panchayat, explicitly benefiting the Baskar Nagar Colony, on 03rd February 2025. This initiative aimed to promote literacy and provide essential educational resources to the community, furthering SEC's commitment to social responsibility and educational outreach.

A notable contribution to the drive came from Reflections Company, which generously donated a collection of books to support the cause. These donations will play a key role in fostering a culture of reading and learning, particularly among the children and young students of the colony.

In addition to distributing the books, DUK students had the opportunity to engage with local leaders, including the Panchayat Secretary, Mr. Harinboss, and the Baskar Nagar ward member, Mr. Premraj. These interactions provided students with valuable insights into the operational framework of local governance. Discussions focused on various community-oriented initiatives the panchayat undertook, giving students a deeper understanding of grassroots administration and community development.

The Book donation drive was led by SEC Coordinator, Asst. Prof. Pradeep Kumar K, SEC Project Officer Mrs. Arya R. Chandra, SEC Project Associate Ms. Fousiya C. K., and the dedicated SEC volunteers, who played a pivotal role in initiating and organizing the event. This initiative underscores the importance of collaboration between educational institutions and local governing bodies to create meaningful change. The SEC at DUK remains dedicated to fostering such engagements, encouraging students to participate in community service actively, and bridging the gap between academic knowledge and real-world applications.





Social Engagement Centre (SEC) DUK Conducts Successful Book Donation Drive at Athiyanoor Grama Panchayat

Awareness Session on the Allianz Awards for Best Digital Innovation Project with Social Impact

The Social Engagement Centre (SEC) of Digital University Kerala (DUK) successfully hosted an insightful awareness session on the prestigious DUK-Allianz Award for Best Digital Innovation Project with Social Impact. The session, held on 12th February 2025, from 10:30 AM to 11:30 AM, provided DUK student teams with an in-depth understanding of the award selection process, focusing on their DACE (Digital Access for Community Empowerment) projects.

During the session, Mrs. Rani Sasikumar, Group Manager of External Communications and Corporate Social Responsibility (CSR) at Allianz, Thiruvananthapuram, shared valuable insights into the importance of digital innovation and its transformative role in society. She elaborated on how digital solutions can address social challenges and create a sustainable impact. Mrs. Rani emphasized the significance of aligning projects with both social impact goals and industry standards, encouraging students to develop innovative solutions that have the potential to drive meaningful change in their communities.

The session served as an essential platform for students to gain clarity on the award criteria, the evaluation process, and how their DACE projects could stand out in the competition. The enthusiastic participation of students reflected their eagerness to contribute to societal progress through innovative digital solutions.

This initiative further reinforced SEC DUK's commitment to fostering a culture of innovation and social responsibility among students. By empowering students with knowledge and guidance on how their projects could make a real-world impact, the session helped them recognize the broader societal benefits of digital innovation. It also motivated them to think critically about how their work could contribute to solving complex challenges and aligning their efforts with the greater good of society.

SEC Coordinator, Assistant Professor Pradeep Kumar, SEC Project Officer Mrs. Arya R. Chandra, and SEC Project Associate Ms. Fousiya C. K. played a pivotal role in initiating and organizing the event. Through such initiatives, SEC DUK continues to inspire students to push the boundaries of digital innovation while positively impacting the world.



DUK students participated in "Youth Conclave 2025"

A group of enthusiastic DUK students participated in the "Youth Conclave 2025," an impactful event organized by the Kerala State Urban Policy Commission. This conclave provided a platform for young people to actively contribute their perspectives and ideas on the future of urban development in Kerala. The event aimed at incorporating youth voices into policy decisions on urban planning and development. The conclave was facilitated by the Kerala Institute of Local Administration (KILA) and UNICEF.

SEC Project Officer Mrs. Arya R. Chandra and SEC Project Associate Ms. Fousiya C. K and the students from DUK Sanath Palakkal (SoESA), Dhanush B R (SoDS), Sai Shankar G Nair (SoI), Nihal Noushad K (SoESA), Amal C Rajesh (SoESA), Anshida Jasmin (SoCSE) and Justin Eapen George (SoCSE) have participated the event.

During the Youth Conclave 2025, DUK students had the unique opportunity to share their thoughts and ideas on key youth issues and matters, ensuring that these perspectives were incorporated into Kerala's urban policy development process. The event served as a platform for young people to voice their concerns, propose solutions, and actively participate in shaping the future of urban spaces. Among the DUK students, Sai Shankar G. Nair (SoI) participated in a panel discussion where he provided valuable insights on how urban policies can be tailored to empower the youth. He emphasized the importance of integrating sustainable practices into urban development, ensuring that young people are stakeholders and active contributors to shaping their communities. Their participation in this conclave helped shape the state's urban future and fostered a greater understanding of the importance of youth involvement in policy decisions that will affect future generations.

The "Youth Conclave 2025" serves as a vital step towards ensuring that urban planning in Kerala is inclusive, sustainable, and forward-thinking, with youth playing a key role in driving the conversation on how urban spaces should evolve.



Successfully Participated in Cyber Kusthi Hackathon Conducted by National Level Cyber Security Conclave at NIT Calicut

A team of students from DUK recently showcased their cybersecurity prowess at the prestigious National Cyber Security Conclave, CYBER KUSTHI Hackathon conducted on 06th and 07th February 2025. This highly competitive event was curated by SKILLABLERS and the ISAC Foundation, organized under the aegis of CERT-In, in collaboration with CITI 2.0, and hosted by NIT Calicut.

DUK was proudly represented by Arsha Venkitakrishnan, Nandhinidevi A T , Safna S, and Anshida Jasmin, who actively participated in the hackathon and demonstrated their exceptional problem-solving skills in the field of cybersecurity. The event provided a challenging platform where participants tackled real-world cybersecurity threats and scenarios, enhancing their technical expertise and strategic thinking.

Ms. Arsha and Ms. Nandhini secured their positions as finalist toppers in the competition, while Ms. Safna and Ms. Anshida emerged as winners, bringing accolades to our institution. Their remarkable achievement reflects their dedication, knowledge, and perseverance in the ever-evolving domain of cybersecurity.

This achievement not only highlights the talent and commitment of our students but also underscores our institution's focus on fostering expertise in cybersecurity.

Digital University Kerala takes immense pride in celebrating this success and encourages students to actively participate in similar events to gain hands-on experience and excel in the field of cybersecurity.



All the Cyberkushti Participants with the Chief Guests

Finalist Toppers in the Competition



Safna S



Anshida Jasmin



Nandhini Devi A T



Arsha Venkitakrishnan

Achievements

Roland Schlich Travel Support for Ms. Sadhvi Kwatra

Ms. Sadhvi Kwatra, PhD scholar working under the guidance of Dr. I. Suresh, Associate Professor and Chair School of Informatics, has been awarded the prestigious Roland Schlich Travel Support for her contribution to the EGU General Assembly 2025. Her abstract titled "Evaluating Surface Heat Feedbacks: Insights from CMIP Models" (EGU25-789), submitted to session CL4.12, has been recognized by the support selection committee.



As part of this award, Ms. Kwatra will receive:

- Registration fee waiver for the conference
- Financial support of €300
- Refund of her abstract processing charge (APC) of €50

The EGU General Assembly 2025 will take place from 27 April to 2 May 2025 in Vienna, Austria, and online. This recognition highlights Ms. Kwatra's outstanding research and contribution to the field of climate sciences.

Being Part of the “2025 Youth Leadership Council” at The Jane Goodall Institute India

Mr. Sai Shankar, 4th sem student from MSc Ecological Informatics is now a member of the 2025 Youth Leadership Council at The Jane Goodall Institute India! As a member of this distinguished group, Sai looks forward to working with a like-minded community of changemakers who are committed to addressing some of the world's most urgent environmental issues. Collectively, they will use AI-powered solutions, ecological science, and community action to solve for issues such as human-wildlife conflict, environmental restoration, and climate resilience.



The 2025 Youth Leadership Council is a vibrant network of young leaders from all over India, chosen for their creative solutions to sustainability and social change. They are bound together by a common commitment to empowering youth, safeguarding the planet, and building enduring, positive change. As a member of the team, Sai is dedicated to creating real-world impact through innovative solutions and collective action.

Successful Pilot Implementation of Centralized e-Ticketing System by Center for Digital Transformation and Innovation

The Center for Digital Transformation and Innovation(CDTI) has successfully piloted the Centralized e-Ticket Issuing and Monitoring System (CeTMS) for museums under the Department of Archaeology, Government of Kerala. CeTMS is a user-friendly platform that streamlines museum ticket booking for visitors while enabling real-time monitoring for authorities. It will be deployed across 17 museums, future museums, information centers, and the Directorate of Archaeology, ensuring seamless digital integration for ticketing and management.

A dedicated team from CDTI conducted the pilot implementation at the Pazhassi Raja Archaeological Museum, Kozhikode, from 31st January to 4th February 2025. This phase provided valuable insights into system performance, user experience, and potential improvements, facilitating a smooth rollout across all museums under the Department of Archaeology in Kerala.



Awarded Ph.D.

Dr. Leena G Pillai, Research Scientist at Virtual Resource Centre for Language Computing (VRCLC), was awarded doctoral degree by the Department of Computer Science, University of Kerala for her thesis titled 'Acoustic and Articulatory Evaluation of Speech Signals Using Machine Learning Techniques'. Her research work can be accessed at www.leenagpillai.com



VRCLC Team Aces in Shared Task Competition at COLING 2025 Workshop

A research team led by Dr. Elizabeth Sherly, including Bajiyu Baiju, Dr. Kavya Manohar, and Dr. Leena G Pillai, has developed a reverse transliteration model to convert Romanized Malayalam text into its native script. This work was undertaken as part of the IndoNLP-2025 Shared Task, held at COLING 2025 in Abu Dhabi, UAE, on 20th January 2025.

The team's trained model, available at VRCLC HuggingFace, was selected for the shared task and demonstrated commendable performance. The paper is published in the ACL anthology and a demo of the model is also accessible on the VRCLC Hugging Face platform.

Spaces • vrclc/en-ml-transliteration like 0 Running

🌟 Romanized to Malayalam Native Transliterater

Transliterate Manglish (Romanised Malayalam) text to Malayalam characters. Simply type or paste your Manglish text, and see the Malayalam transliteration instantly!

Input Text

india ente rajyamanu

Clear Submit

Transliterated Malayalam Text

ഇന്ത്യ എന്റെ രാജ്യമാണ്

Examples

ente veed malayalam padikkano ? 😊 india ente rajyamanu

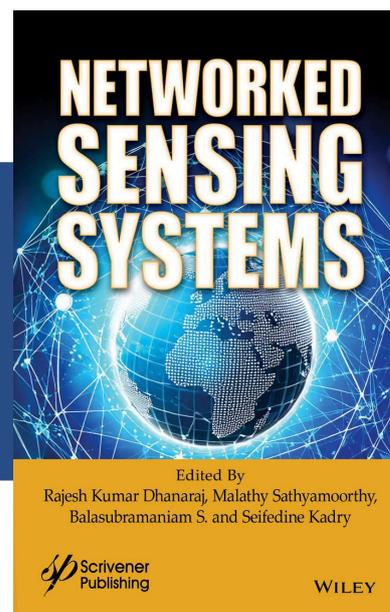
How to Use

1. Enter Manglish text in the input box
2. The transliteration will appear after you SUBMIT
3. Works with words, phrases, and sentences

Publications

Book Published

Dhanaraj Rajesh Kumar, Sathyamoorthy Malathy, S Balasubramaniam, Kadry Seifedine (Eds). (2025), “Networked Sensing Systems”, Pages :381, Online ISBN: 9781394310890, Print ISBN: 9781394310869, Scrivener Publishing, Wiley. DoI for the Book: <https://doi.org/10.1002/9781394310890>



About this Book

Networked Sensing Systems is essential for anyone seeking innovative and sustainable solutions across diverse sectors. It explores the integration of cutting-edge IoT technologies and digital transformation aimed at enhancing resource efficiency and addressing climate change challenges.

With today’s advancements in wireless and mobile connectivity, Internet of Things (IoT) sensor technologies, and digital innovation, sustainability principles are increasingly reinforcing one another. To transition to more resource-efficient solutions, use resources responsibly, and streamline operations, businesses must embrace digital transformation. Potential application areas include energy management, air pollution monitoring, fleet management, water management, and agriculture. Simultaneously, the expansion of IoT deployments and their integration into the contexts of 5G and emerging 6G mobile networking necessitate that the solutions themselves be green and sustainable. This includes incorporating energy- and environmentally-conscious technical solutions for communications.

By offering previously unattainable solutions, networked sensing can contribute to a more sustainable society by enabling the collection of data from heterogeneous sources in unique and novel ways. Additionally, the networking-based solutions themselves must be sustainable and environmentally friendly. For example, optimizing network architecture and relocating network equipment to strategic locations can significantly reduce energy waste. These goals drive the search for improved sensing technologies, emphasizing energy-efficient mobile sensing devices.

The goal of Networked Sensing Systems is to present and highlight the latest developments in sustainable networked sensing systems across a variety of contexts, all united by the aim of enhancing human well-being and combating climate change. Regardless of the area of expertise, this work seeks to offer practical solutions to the major challenges of building a sustainable smart society 5.0. This book serves as a platform to discuss networked sensing systems for a sustainable society, focusing on systems and applications based on mobile computing and wireless networks, while adopting multidisciplinary approaches that emphasize the human element in addressing these challenges.

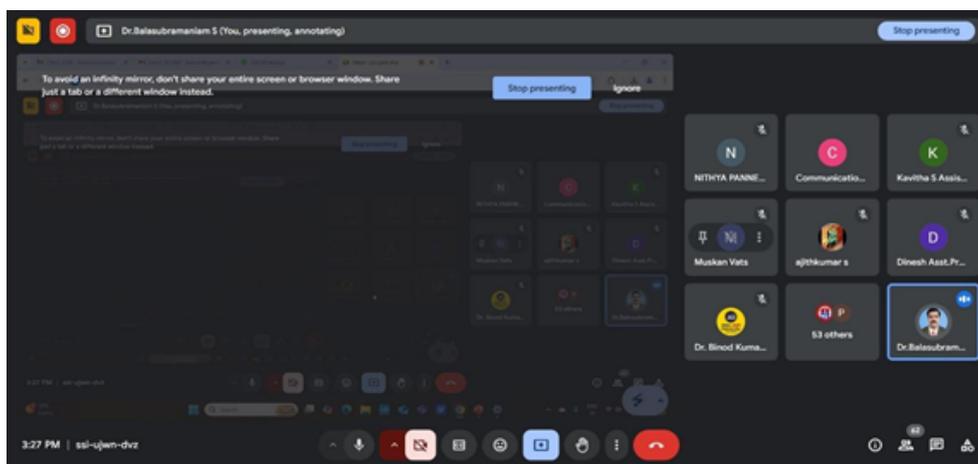
Flash Talk

Ms. Archana Vijayan, a Research Scholar from the Optimization and Machine Learning Lab at the School of Computer Science and Engineering, working under the supervision of Dr. Sinnu Susan Thomas, gave a flash talk on "Capturing the Uncertainty with A Conformal Credal Set" at The Research Scholars' Day 7.0: Pravaha organized by IIT Palakkad. The event had participants across diverse disciplines from various institutes across the globe. She was among the twenty selected to showcase their work, engage in meaningful discussions, and foster interdisciplinary collaborations.



ATAL FDP Session Speaker

S Balasubramaniam delivered a session on "Metaverse Governance" as part of the ATAL Online 6-day Faculty Development Programme (FDP) 2025 on "Metaverse in Digital Healthcare: New Frontiers and Design Thinking." 22nd February 2025, Organized by Dr.N.G.P Institute of Technology, Coimbatore, Tamilnadu.



Expert Session for Women Entrepreneurs

Resource person at the Six Day Capacity Building Program for Women Entrepreneurs on Digital Marketing Strategies in collaboration with MSME, held at the Department of Management Studies, NIT Calicut, from 22nd February to 27th February 2025.

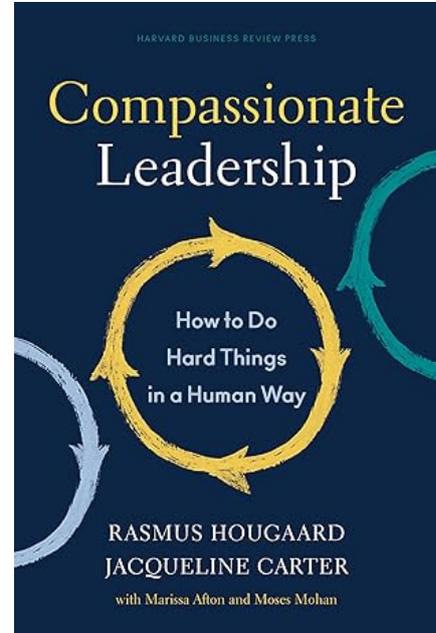
Dr. Sini V. Pillai led an interactive session on Social Media Marketing: Strategies & Best Practices, where she had the opportunity to connect with 35 inspiring women entrepreneurs from Calicut.



Compassionate Leadership: How to Do Hard Things in a Human Way

A global pandemic, economic volatility, natural disasters, civil and political unrest. From New York to Barcelona to Hong Kong, it can feel as if the world as we know it is coming apart. Through it all, our human spirit is being tested. Now more than ever, it's imperative for leaders to demonstrate compassion.

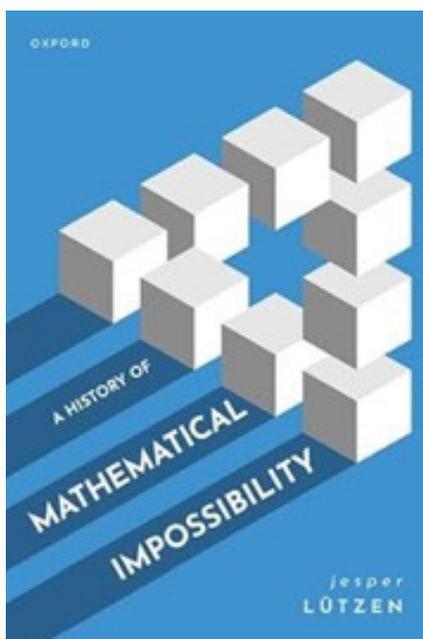
But in hard times like these, leaders need to make hard decisions—deliver negative feedback, make difficult choices that disappoint people, and in some cases lay people off. How do you do the hard things that come with the responsibility of leadership while remaining a good human being and bringing out the best in others? Most people think we have to make a binary choice between being a good human being and being a tough, effective leader. But this is a false dichotomy. Being human and doing what needs to be done are not mutually exclusive. In truth, doing hard things and making difficult decisions is often the most compassionate thing to do.



Source: Amazon

Hougaard, Rasmus (2022). *Compassionate Leadership: How to Do Hard Things in a Human Way*. Harvard Business Review Press.

A History of Mathematical Impossibility

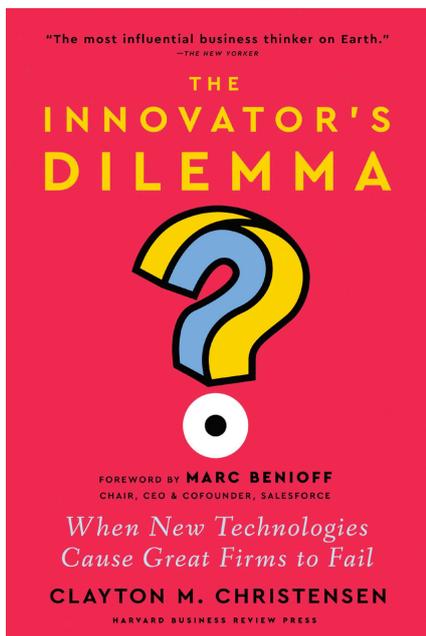


Mathematical theorems stating that a problem cannot be solved using specific means are numerous. This book follows the history of such impossibility theorems from Greek antiquity through the early twentieth century. It reveals that many impossibility statements started out as meta-statements but ended up as mathematical theorems that were proved by mathematical methods. Until the nineteenth century, impossibility theorems were often considered of secondary interest compared with positive results. This changed during the nineteenth century and today impossibility results are among the most famous and popular theorems of mathematics. The book deals with some of the celebrated impossibility theorems in pure mathematics such as the quadrature of the circle, the duplication of the cube, the trisection of the angle, Fermat's last theorem, the impossibility of proving the parallel postulate and Gödel's theorem, as well as some theorems from applied mathematics such as Arrow's impossibility theorem.

Source: Publisher

Lützen, Jesper (2022). *A History of Mathematical Impossibility*. UK, Oxford University Press.

The Innovator's Dilemma: When New Technologies Cause Great Firms to Fail



His work is cited by the world's best known thought leaders, from Steve Jobs to Malcolm Gladwell. In this classic bestseller, innovation expert Clayton M. Christensen shows how even the most outstanding companies can do everything right—yet still lose market leadership. Read this revolutionary book and avoid a similar fate.

Christensen—who recently authored the award-winning Harvard Business Review article "How Will You Measure Your Life"—explains why most companies miss out on new waves of innovation. No matter the industry, he says a successful company with established products WILL get pushed aside unless managers know how and when to abandon traditional business practices. Offering both successes and failures from leading companies as a guide, The Innovator's Dilemma gives you a set of rules for capitalizing on the phenomenon of disruptive innovation.

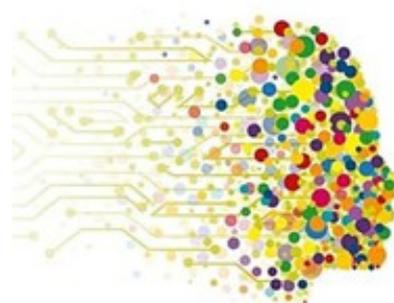
Source: Amazon

Christensen, Clayton M (2024). *The Innovator's Dilemma: When New Technologies Cause Great Firms to Fail*. Boston, Harvard Business Review Press.

Digital Fluency: Understanding the Basics of Artificial Intelligence, Blockchain Technology, Quantum Computing, and Their Applications for Digital Transformation

If you are curious about the basics of artificial intelligence, blockchain technology, and quantum computing as key enablers for digital transformation and innovation, Digital Fluency is your handy guide. The real-world applications of these cutting-edge technologies are expanding rapidly, and your daily life will continue to be affected by each of them. There is no better time than now to get started and become digitally fluent.

You need not have previous knowledge of these versatile technologies, as author Volker Lang will expertly guide you through this digital age. He illustrates key concepts and applications in numerous practical examples and more than 48 catchy figures throughout Digital Fluency. The end of each chapter presents you with a helpful implementation checklist of central lessons before proceeding to the next. This book gets to the heart of digital buzzwords and concepts, and tells you what they truly mean.



Digital Fluency

Understanding the Basics of Artificial Intelligence, Blockchain Technology, Quantum Computing, and Their Applications for Digital Transformation

— Volker Lang

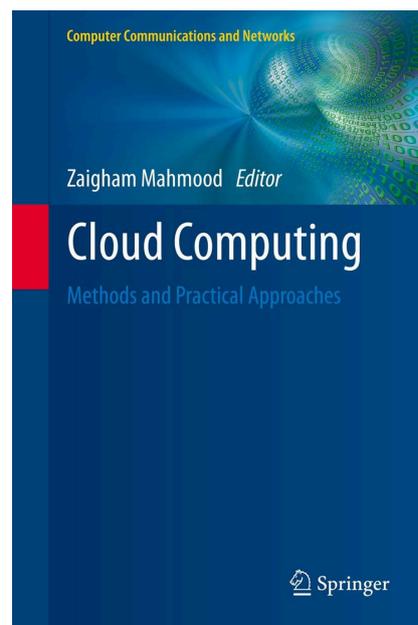
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Lang, Volker (2025). *Digital Fluency*. New York, Apress,

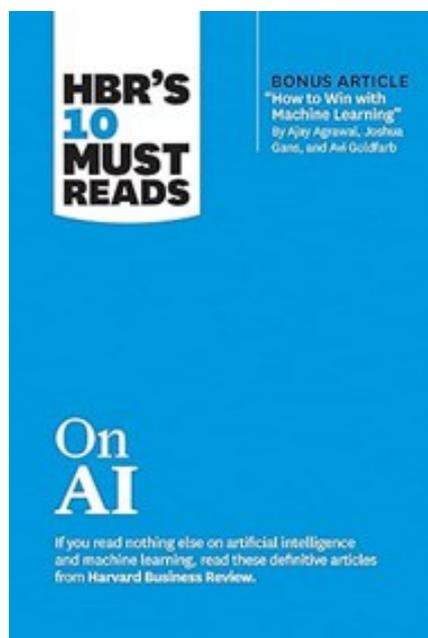
Cloud Computing: Methods and Practical Approaches

This book presents both state-of-the-art research developments and practical guidance on approaches, technologies and frameworks for the emerging cloud paradigm. Topics and features: presents the state of the art in cloud technologies, infrastructures, and service delivery and deployment models; discusses relevant theoretical frameworks, practical approaches and suggested methodologies; offers guidance and best practices for the development of cloud-based services and infrastructures, and examines management aspects of cloud computing; reviews consumer perspectives on mobile cloud computing and cloud-based enterprise resource planning; explores software performance testing, open-source cloudware support, and assessment methodologies for modernization, migration and pre-migration; describes emerging new methodologies relevant to the cloud paradigm, and provides suggestions for future developments and research directions.



Source: Publisher
Mahmood, Zaigham (2023). *Cloud Computing: Methods and Practical Approaches*. London, Springer.

HBR's 10 Must Reads on AI



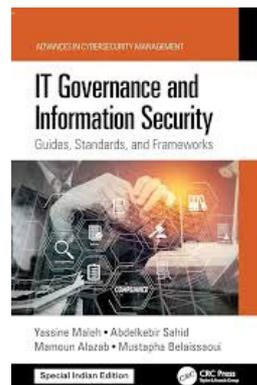
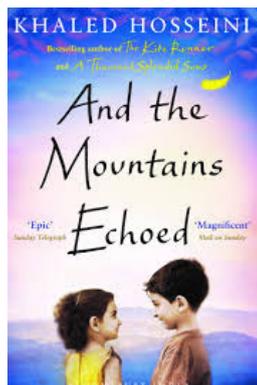
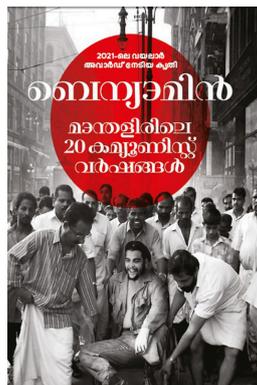
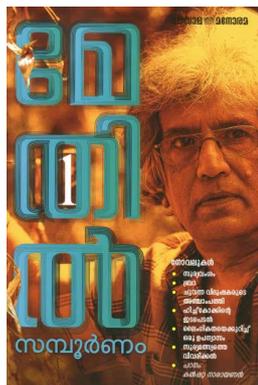
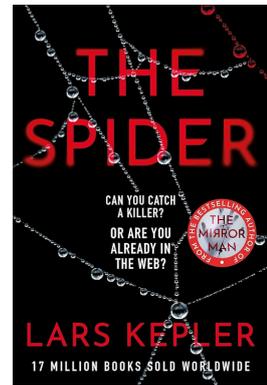
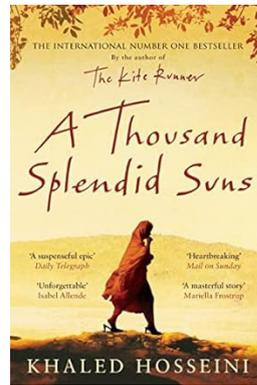
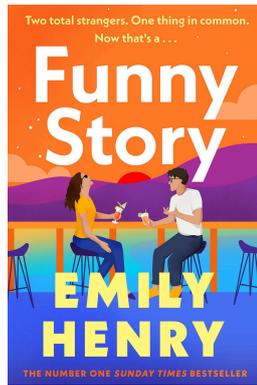
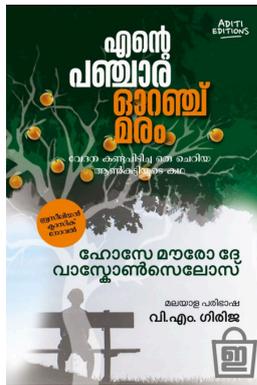
This collection of articles includes "Competing in the Age of AI," by Marco Iansiti and Karim R. Lakhani; "How to Win with Machine Learning," by Ajay Agrawal, Joshua Gans, and Avi Goldfarb; "Developing a Digital Mindset," by Tsedal Neeley and Paul Leonard; "Learning to Work with Intelligent Machines," by Matt Beane; "Getting AI to Scale," by Tim Fountaine, Brian McCarthy, and Tamim Saleh; "Why You Aren't Getting More from Your Marketing AI," by Eva Ascarza, Michael Ross, and Bruce G. S. Hardie; "The Pitfalls of Pricing Algorithms," by Marco Bertini and Oded Koenigsberg; "A Smarter Strategy for Using Robots," by Ben Armstrong and Julie Shah; "Why You Need an AI Ethics Committee," by Reid Blackman; "Robots Need Us More Than We Need Them," by H. James Wilson and Paul R. Daugherty; "Stop Tinkering with AI," by Thomas H. Davenport and Nitin Mittal; and "ChatGPT Is a Tipping Point for AI," by Ethan Mollick.

Source: Amazon
Harvard Business Review (2023). *HBR's 10 Must Reads on AI*. Boston, Harvard Business Review Press

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- Steve Jobs

(American businessman, inventor, investor & Former CEO of Apple)

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