

DIGITAL UNIVERSITY KERALA

Kerala University of Digital Sciences, Innovation and Technology

NEWSLETTER

DUK/NL/VOL:2/ISSUE 8/AUGUST 2023

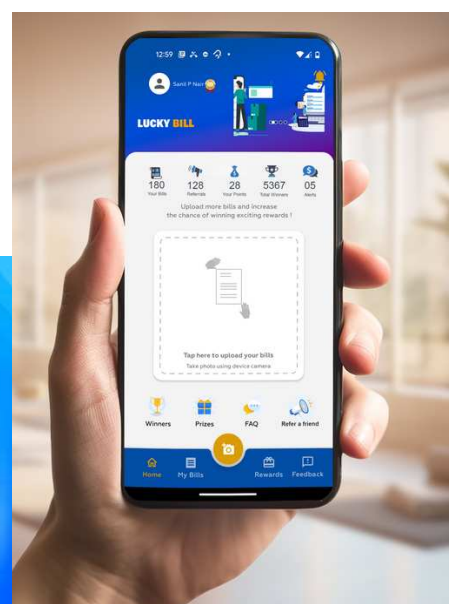


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Inauguration – First phase of Digital Science Park

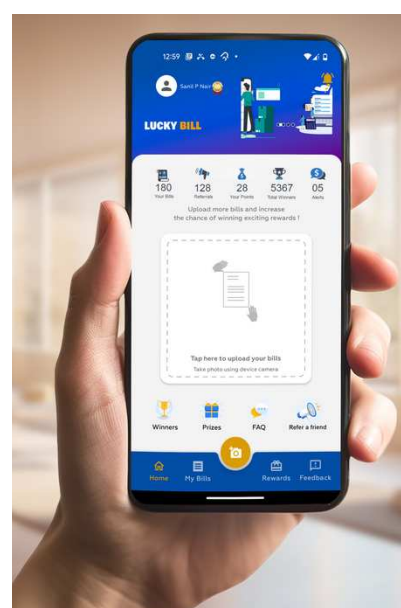
Hon'ble Chief Minister of Kerala, Shri. Pinarayi Vijayan inaugurated the first phase of Digital Science Park. The event signifies a momentous milestone in the state's technology landscape.

The Digital Science Park promises to be a driving force for the innovation and progress through the academia -research -industry linkage, fostering advancements in various technological domains. The inauguration ceremony was graced with the presence of distinguished guests and industry leaders, making it a memorable and significant occasion for the entire state and the country.



National Award for e-Governance 2023

A proud moment for Digital University Kerala. DUK won the National Award for e-Governance for the AI-based Lucky Bill App developed for the Kerala GST Department that ensures tax compliance apart from promoting transparency in financial transactions. Digital University Kerala Vice Chancellor Dr. Saji Gopinath along with the faculty members -Prof Manoj Kumar TK and Prof Sanil P Nair – who were part of the team that developed the app received the award on 25 August 2023 at the 26th National Conference on e-Governance held in Indore. DUK won the Silver Award in the category “Research on Citizen Centric Services by Academic/ Research Institutions”. Dr. Manoj Kumar TK is the Project Coordinator(R&D), and Prof. Sanil P Nair is the Principal Coordinator of the project in which Sreejith G and Amal KJ are the team leads.



Center for Digital Innovation and Product Development (CDIPD)

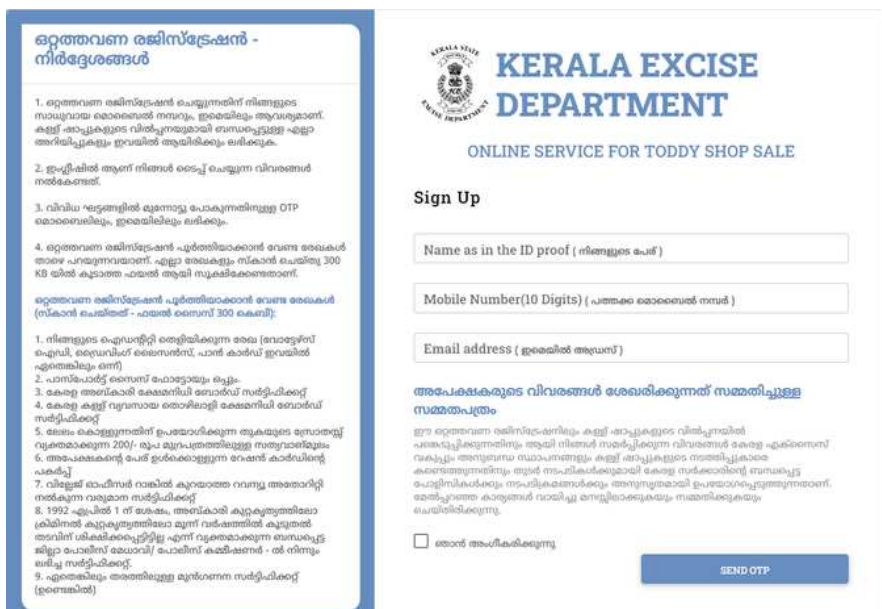
The Excise Department, Government of Kerala, one of the State's oldest Departments and a significant contributor to State revenue, is embarking on a journey towards improved governance, transparency, and operational efficiency. Currently, the process of selling toddy shop licenses is primarily manual, involving around 5200 toddy shops across different groups.

This initiative seeks to promote the adoption of IT-enabled systems throughout the annual toddy shop licensing process, with the ultimate goal of substantially reducing the reliance on manual procedures across all districts in Kerala. It is crucial to maintain tamper-proof records for an extended period during this transformation. This initiative also aligns with the government's policy on digital transformation process for administrative procedures.

The Center for Digital Innovation and Product Development (CDIPD) has developed an integrated digital solution called e-toddy (www.etoddy.keralaexcise.gov.in) for managing this entire online sale and selection process. This platform offers a unified digital interface for Toddy Shop Applicants, Licensees, and government officials, enabling them to conduct all related functions digitally. The system represents a comprehensive, workflow-based management solution, utilizing cutting-edge web applications. The online sale process, lottery method of selection, digital payment process etc are fully handled through the integrated digital platform.

This system empowers the Kerala Excise Department to manage all aspects of toddy shop licensing within a single online framework. Moreover, it equips top-level authorities with real-time analytics, facilitating prompt decision-making. In essence, this digital transformation initiative aims to enhance the efficiency and transparency of the toddy shop licensing process, aligning with modernization goals and the government's digital policy agenda.

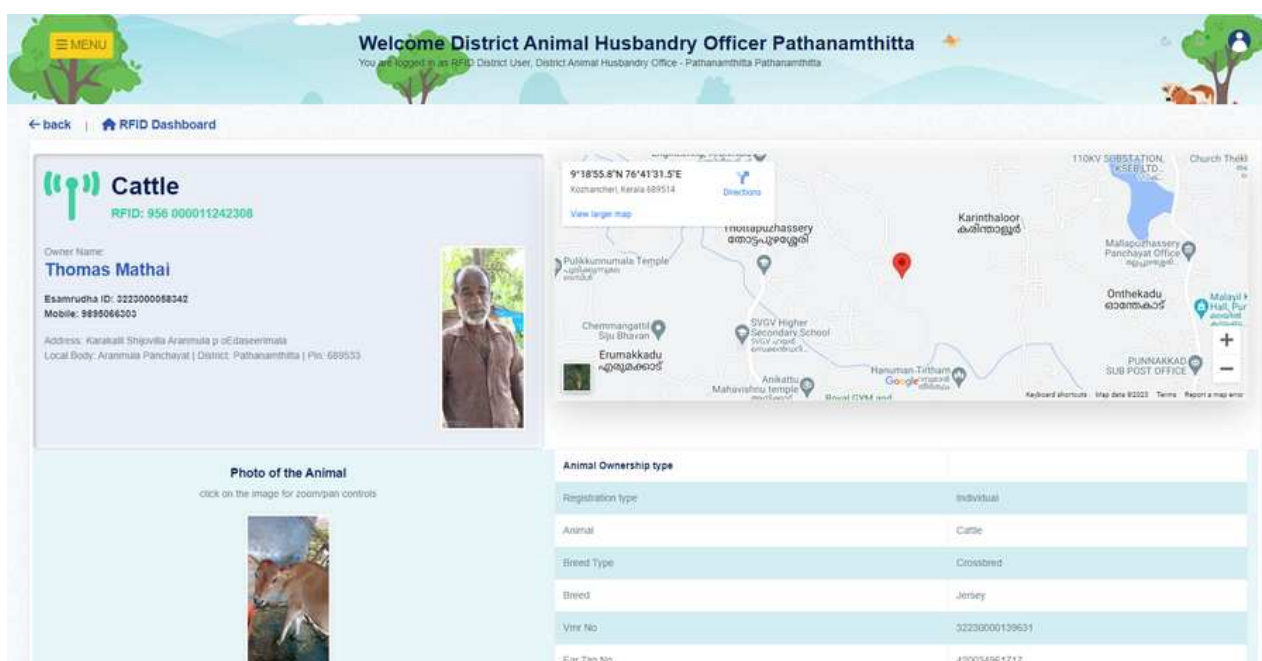
The system is accessible at www.etoddy.keralaexcise.gov.in



Embracing RFID Technology for Animal Traceability: A Significant Stride Toward Success

The RFID-based animal traceability and e-health management system have achieved remarkable success. The Center for Digital Innovation and Product Development (CDIPD), with funding support from the Department of Animal Husbandry, GoK, has successfully implemented a pilot project on RFID-based animal traceability in Kerala. The pilot project was conducted in the Pathanamthitta district, located in the central part of Kerala, where over 49,000 animals (cattle and buffalo) have been tagged with RFID, covering more than 80% of the total animal population in the district. The remaining animals will be tagged within the next two weeks.

Field-level veterinary officials visited farmers' households to tag the animals and input relevant details of both the farmers and the animals into e-Samrudha, the mobile based digital livestock management platform developed by DUK. Through this system, each animal in the district can now be uniquely traced, and veterinary services and health monitoring are being provided with exceptional efficiency. This will be a highly useful intervention for the Department to implement effective breeding management, livestock insurance and farmer advisory service. This achievement marks a significant milestone as it establishes the district as the first in the country where 100% of livestock animals are digitally traceable.



DUK Opens State-of-the-Art AR/VR Lab and Digital Media Studio

In a significant stride towards fostering innovation and technological advancements, Digital University is proud to announce the opening of its latest facility, dedicated to Augmented Reality (AR), Virtual Reality (VR), and Digital Media Studio endeavors. This cutting-edge facility was unveiled on August 17, 2023, by Prof. Saji Gopinath, Honorable Vice-Chancellor of DUK.

The newly inaugurated facility is set to play a pivotal role in bolstering DUK's commitment to cutting-edge research, creative exploration, and multidisciplinary collaboration in the fields of AR, VR, and digital media. Equipped with state-of-the-art technology and resources, the AR/VR Lab and Digital Media Studio will serve as a hub for students, researchers, and professionals to embark on transformative projects.

Prof. Saji Gopinath emphasized the significance of this development in furthering DUK's position as a leader in technology-driven education and research. He remarked, "This new facility will empower our students and faculty to explore the limitless possibilities of AR, VR, and digital media, propelling us into the future of education, entertainment, and beyond."

DUK's investment in this cutting-edge facility underscores its commitment to providing a dynamic and innovative learning environment that prepares students for the challenges and opportunities of the digital age. This facility will undoubtedly become a catalyst for groundbreaking research and creative endeavors, fostering a culture of innovation at the university.

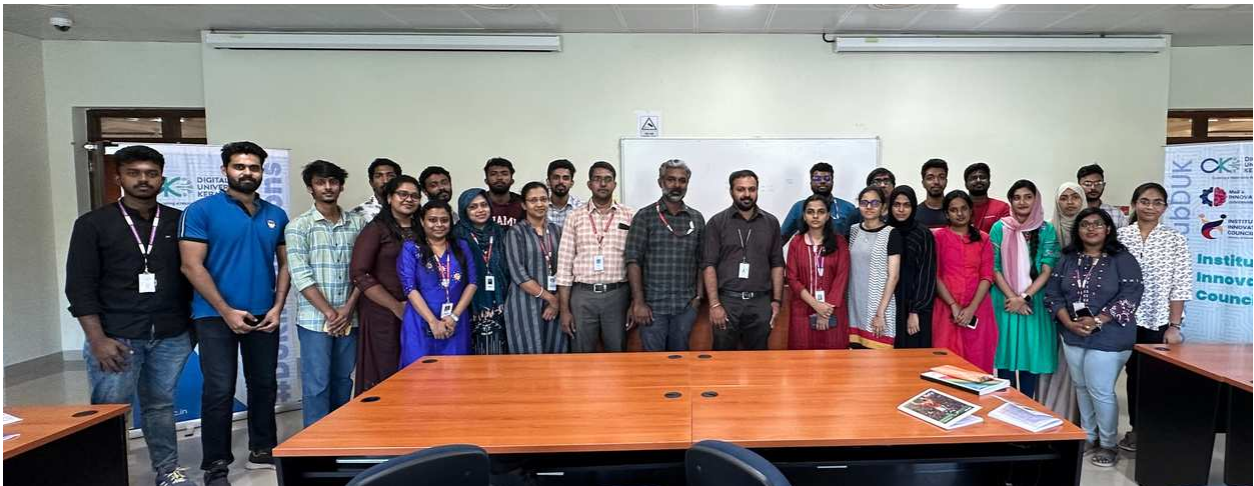


Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early-Stage Entrepreneurs

The Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early-Stage Entrepreneurs was conducted on the 24th of August 2023. Digital University Kerala conducted the event with the Institution's Innovation Council (IIC) focused on providing students, faculties, and early-stage entrepreneurs with valuable insights into the available opportunities and benefits of startups with the help of incubator programs in campuses and also those provided by Kerala startup mission. The speaker for the event was Mr. Krishnakumar, Head of Leap, South Kerala, Kerala Startup Mission. The session aimed to educate the participants about the potential support provided by these programs, including mentorship, resources, funding, and networking opportunities.



The session started with an overview of accelerators and incubators, explaining their role in nurturing early-stage entrepreneurs and supporting them in transforming their ideas into successful businesses. The speaker Mr. Krishnakumar (KSUM) highlighted the benefits of joining accelerator and incubator programs, such as access to mentorship from experienced professionals, networking opportunities with investors and industry experts, access to resources and infrastructure, and potential funding opportunities. The session included sharing success stories of 4 student entrepreneurs from M.E.S College of Engineering, Kuttippuram, Kerala who have benefitted from participating in accelerator and incubator programs and successfully come up with their startup named Genrobotics Pvt Ltd. These stories served as inspiration and showcased the real-life impact of such initiatives. The speaker emphasized the importance of a strong business idea, market potential, and the commitment of the entrepreneur. The session also highlighted the significance of collaborations and partnerships between academic institutions, industry, and accelerators/incubators. Such collaborations facilitate knowledge exchange and create a supportive ecosystem that benefits all stakeholders. The participants had the opportunity to ask questions and seek clarification from the speaker during a dedicated Q&A session. This interaction further enriched their understanding of different stages of startups.



IEEE Student Branch ExCOM

After the 2nd IEEE student branch meeting at the University, a group of 7 members has been selected to represent IEEE student branch of Digital University Kerala.

Digital University Kerala
IEEE Student Branch

EX-COM MEMBERS



VASUDEV S MALLAN
Chairperson



KISHAN KARTHA
Vice chairperson



GOPIKA B
Secretary



DR.SUMIT DATTA
Branch Counselor



SHARON ANN RAJIMON
Treasurer



DARSHITHA DINESH
WIE Chair



DIBYASHA MAHAPATRA
Web Master





KBA Conducted several educational tracks as part of FREEDOM FEST2023

As part of Freedom Fest 2023, Kerala Blockchain Academy organized several tracks of educational series, including basic blockchain training for the public on the 29th July 2023 at Saroj Bhavan, Kozhikode, followed by a Web3 Development Bootcamp in Ethereum Blockchain and a session on Central Bank Digital Currency on the 14th and 15th of August 2023 at Tagore Theatre, Trivandrum. Reiterating the government’s commitment to making development, technology, knowledge and welfare available to everyone, KBA envisioned enhancing the technical capabilities of IT professionals in the blockchain domain and encouraging them to embark on more innovative projects. The blockchain workshop alone saw enthusiastic participation from 131 people, including students and IT professionals.

The Freedom Fest- 2023 represented a festival of Knowledge, Technology, and Innovation envisioned as a grand-scale event that unites advocates of equal access to knowledge. It aimed to foster a culture of openness, inclusivity, and progress in Kerala’s journey towards becoming a knowledge society.

The Panel discussion on “Blockchain in Banking: CBDC and Future of e-RUPI in India” was initiated through Prasanna Lohar - Banker, Former Head of Innovation -DCB Bank, Mahesh Govind - Founder, Digiledge, Saran Joseph - Deputy VP, Federal Bank, Sunil Raveendran (Moderator) - Head of Enterprise Architecture, Global Blockchain CoC, Allianz Technologies, India. The discussion evoked the future shades of banking with e-RUPI.





Freedom Fest 2023 Ideathon Winners

Team KBA : Muhammed Jasim, Vinesh TK, Sivadas Neelima from Digital University Kerala won the second prize for the "Freedom Fest Ideathon – Kerala in 2035" in the SDG10: Reduced Inequality category.



Tradition Towards Transition: Navigating the Tribe's Indigenous Wisdom

On August 11, 2023, a group of researchers from the School of Computer Science and the School of Ecological Informatics embarked on a journey to investigate the challenges faced by the Kanikkar tribal community in the Vithura and Kallar Scheduled Tribe settlements. The purpose of this visit was closely tied to a preliminary study aimed at comprehending the demographic composition and livelihood strategies of the community, in advance of establishing a Science, Technology and Innovation (STI) Hub for a central government project to be submitted.

The Kanikkar tribe is one of the indigenous communities residing in the Agastyar hills, which are part of the Western Ghats in the southern Indian state of Kerala. The Agastyar hills are known for their rich biodiversity and are recognized as a significant ecological hotspot. At the heart of the Kani tribe's identity is their profound understanding of this traditional herbal medicine. Their healing practices revolve around the utilization of the myriad medicinal plants that grace the Agastyar hills. During this expedition, the team had the privilege of visiting Smt. Lekshmikutty Amma, a beacon of the Kani tribe and a tribal medical practitioner. In 2018, her exceptional contributions were rightfully recognized by prestigious Padma Shri award.



The visit provided a firsthand account of the challenges faced the Kanikkar tribe, ranging from issues related to land, livelihood, and access to basic services, to broader challenges such as cultural preservation and environmental sustainability. As modernization advances, traditional cultural practices, languages, and knowledge systems might be at risk of erosion, potentially leading to a loss of identity and cultural heritage. The Kanikkar tribe's close relationship with the environment means that ecological changes, such as deforestation and loss of biodiversity, can directly impact their way of life and traditional practices. The visit offered an opportunity to document the unique biodiversity of the Agastyar hills and its significance to the traditional practices of the Kanikkar tribe. The journey taken by the research team becomes a stepping stone towards the technological intervention in uplifting the livelihood of Kanikkar tribe.

Resume Building Worksop

The Placement Cell conducted a resume-building workshop for MSc and MTech students on 9 August 2023. Ms. Manju Susan, a Corporate trainer, handled the hands-on workshop, highlighting different formats of resumes and outlining all details in an easily read form.



Academia Institute Connect with Innovation Incubator

On 17 August 2023, the DUK Placement Cell hosted an initial level meeting with the Innovation Incubator to discuss collaboration opportunities. Dr. Saji Gopinath, Vice Chancellor, Dr. Manoj Kumar T. K, Registrar i/c & Professor, Dr. Asharaf S, Dean Development, Dr Tony Thomas, Associate Dean Academic, Dr. Jose Joseph, Assistant Professor, Dr. KG Sathish Kumar, Distinguished Visiting Professor and Dr. Sini V. Pillai, Assistant Professor and Chair Placements represented DUK. Antony Satyadas, Managing Partner and CEO, Innovation Incubator, Dr Umesh Harigopal, Managing Partner and President, Innovation Incubator and CEO PropMix, Sakeer, COO PropMix and President PropMix India, Unnikrishnan, Program Director, Innovation Incubator, Sreekar, Vice President Operations and Projects, Future Talent lead, Akhil Rajagopal, Solution Architect and AI focal point and Aaron Daniel, Head Systems Engineering, Innovation Incubator were present for the interaction.

Collaboration opportunities were prioritized in Education, R&D, and Future Talent Internships.

Onam Celebrations

Joyful Onam festivities at DUK, brimming with vibrant colours, cultural fervor, and festive spirit.



Onam Celebrations



Independence Day Celebrations

Digital University Kerala celebrated Independence Day with much fervor. The Hon'ble Vice Chancellor of DUK Prof. Saji Gopinath hoisted the flag and distributed prizes to winners of photography and poster design competitions held as part of Independence Day celebrations. Students took pledge which was followed by cultural programmes. A momentous occasion that reminded us of our rich heritage and the path ahead towards progress.





Alumna Inspires Christ College BBA Students in "Aspire" Program

An esteemed alumna of Christ College, Irinjalakuda, recently returned to her alma mater to conduct an enriching session for BBA program students. The event, named "Aspire," was organized by the Department of Management Studies, with the aim of providing valuable insights into the realm of higher education.

Approximately 100 enthusiastic students gathered for this enlightening two-hour session, eager to explore the educational opportunities available at Digital University Kerala. The session encompassed a wide array of topics, ranging from an introduction to Digital University Kerala and its selection process to detailed course overviews and fee structures. Students were granted a sneak peek into the vibrant campus life and hostel facilities, providing them with a glimpse of their potential future.

Crucially, the session also delved into various opportunities for students, including networking, participation in conferences, internships, and placement prospects. These insights are invaluable for those with aspirations to pursue higher studies. To keep the session engaging and interactive, management games centered around team-building, listening skills, and cognitive abilities were incorporated. These activities not only made learning enjoyable but also encouraged active participation, as evidenced by the overwhelmingly positive feedback received from the participants.



Commemoration of Hiroshima-Nagasaki Day

Social Engagement Centre commemorated Hiroshima- Nagasaki Day on 9th of August 2023 with the screening of a film 'Barefoot Gen' in the Gallery Hall no. 045. The day reminds the humanity the need to use technology with discretion and for positive outcome.

Meeting on Water Management

A meeting was conducted by the Pothencode Panchayat on 3rd of August for reviewing the plans for the Neerthada nadatham (Watershed Walk) that was scheduled on the second week of August 2023. Representatives of the HarithaKeralam Mission, MNRGES, Minor Irrigation Department and members of the Pothencode Panchayat attended the meeting. Student Volunteers and members of the Social Engagement Centre, representatives of the Centre for Geo-Spatial Technology and C V Raman Laboratory of Ecological Informatics presented their views in the meeting.

Neerthada Nadatham (Watershed Walk), Thettiyyar

Social Engagement Centre in association with the Centre for Geo-Spatial Technology and C V Raman Laboratory of Ecological Informatics organised a Neerthada Nadatham at three sites through the course of the Thettiyyar in Pothencode Panchayat on 17.08.2023. Pothencode Panchayat arranged logistics for the event. HarithaKeralam Mission and International Centre for Free and Open Source Software (ICFOSS) assisted the students of DUK in the mapping of Thettiyyar.



Follow Up of Batch 5 DACE 2023 Kalliyoor Project

In a rare demonstration of commitment of students towards the community they visited during the DACE programme in February 2023, the group of students who explored the volunteering and intervention possibilities in the agricultural sector of the Kalliyoor Panchayat, again made a visit to the field on 22.08.2023. Dr. Sreelekha Nair, a member of the Social Engagement Centre accompanied them. The team's first stop was the Kalliyoor Agricultural Office. The discussion there delved into the prevailing agricultural conditions and the various government initiatives to support local farmers. Continuing their quest for knowledge and inspiration, the team connected with the people behind Kalliyoor Greens App. The journey took them to the region's agricultural education's heart - the College of Agriculture, Vellayani, nestled within the boundaries of the Kalliyoor Panchayat. They had the privilege of meeting the Associate Director of the Department of Extension Studies. She shared invaluable insights into past projects undertaken by the college students, which, in fact, closely mirror the team's aspirations. Moreover, the Associate Director expressed a keen interest in collaborating with the project and with DUK by sharing crucial data and facilitating connections with students. The overall visit proved to be an immensely productive one. The team left Kalliyoor with renewed hope and a resolute commitment to pursuing their project with unwavering enthusiasm with the guidance from the Social Engagement Centre.



Social Engagement Centre: Open Street Mapping Training Empowers Students at Digital University of Kerala

A transformative training session on Open Street Mapping (OSM) recently took place at the Digital University of Kerala in collaboration with the Social Engagement Cell, Centre for Geo-Spatial Technology, and Laboratory of Ecological Informatics. This event, held on August 16, 2023, aimed to equip students with practical skills in geospatial technology.

The training addressed the gap between theoretical knowledge and real-world application. Students were introduced to the concept of OSM and its role in community mapping and data collection. The session provided hands-on experience with practical tools and techniques for data collection, editing, and collaboration within the OSM platform. The training was facilitated by expert trainers from the International Centre for Free and Open Source Software (ICFOSS) and Nava Keralam KarmaPadhathi. This event was held in the eve of the Neerthada Nadatham of Thettiyyar organised by the Social Engagement Centre.

Social Engagement of DUK in Athiyannoor Village: Library and Janasevana Kendram

Following upon the request for assistance to make functional a library building at the heart of the Ward no. 9 of Athiyannoor Panchayat, Social Engagement Centre(SEC) members along with the DUK librarian visited the site on 21.08.2023. Coordinator of the SEC, Pradeep Kumar led the team that met the President of Athiyannoor Panchayat, Vice President of the Athiyannoor Block Panchayat and the ward member. They inspected the building and examined the feasibility of setting up a library and a janasevanakendram in the Sankar Nagar Colony of Athiyannoor that is predominantly inhabited by the Scheduled Caste population. Athiyannoor is one of the five villages that have been adopted by the DUK.

Book Donation Drive @DUK

In order to develop a library in the Sankar Nagar colony that falls in Ward no. 9 of the Athiyannoor Panchayat, Social Engagement Centre, in collaboration with the DUK Knowledge Centre has initiated a “Book Donation Drive”. All members of the DUK community are invited to donate a book or more that may be dropped in the carton provided for the purpose in the DUK library on the second floor of the University until the 20th of September 2023.

Donate Books...

**for a library in a rural locale...
Athiyannoor**

Do you have one to donate?
Drop at the Knowledge Centre, DUK

You may donate books in Malayalam related to the following categories.

- ☑ Novels
- ☑ Story books
- ☑ Biographies
- ☑ Travelogues
- ☑ books related to local history, nature, wildlife
- ☑ Children’s books
- ☑ Health related books etc.
- ☑ Competitive exam books (English & Malayalam)

☎ **8618569863** ✉ **sec@duk.ac.in**



Announcement

The design submitted by Hafis S S, 3rd Semester, MBA has been selected by the eminent jury as the logo of the Social Engagement Centre. Hearty congratulations to Hafis!

A number of designs were submitted by students and staff member of DUK in response to the call. The Social Engagement Centre @DUK sincerely thank all those who put in the effort and submitted the entries. Some of them were good and appreciated by the panel members. The prize will be awarded to the winner during the next Social Engagement Centre activity.



Hafis S S
2nd Year MBA

Project Management Institute Capacity Building Training of Pothencode Panchayat Members

Social Engagement Centre at Digital University Kerala, in collaboration with the Project Management Institute, Kerala, India (PMI), conducted a Project Management Training session for Pothencode Panchayath local body members and office staff. The training, held under the guidance of Archana Govind, Vice President, Social Outreach of the Project Management Institute Kerala Chapter, aimed to equip participants with essential project management skills. The event was held on the 19th of August 2023.

Anitha, Vice President of Pothencode Panchayat. Pradeep Kumar K, Coordinator, Social Engagement Centre, Digital University Kerala, Hariprasad P S, VP-Finance of PMI Kerala Chapter, and Mr Jayakishore S R, past President of PMI Kerala Chapter spoke during the occasion. The training engaged 21 attendees.

The session aimed to provide comprehensive insights by covering diverse topics such as project definition, the role of project managers, stakeholder dynamics, and visual representations of organisational structures and project management processes. The event concluded with an interactive Q&A session and a feedback gathering. The training significantly enhanced the project management proficiency of the participants, ensuring their ability to contribute effectively to their community initiatives. The event concluded at 1:30 PM.



Participation of DUK students in the Initial Round of Prajatantra

Social Engagement Centre, at the request of the Students' Council, assisted the student volunteers in the initial stages of the Prajatantra, a national virtual college festival. This is a flagship initiative of Praja Foundation to reach out to the young Indians, especially college students. This is a platform for young students to bond with fellow students in other parts of the country and compete in a number of events and exhibit their talent.

A group of seven DUK students from various programmes participated in the initial round of the festival. The theme of this year's competition was 'Model City Government'. Coordinator Pradeep Kumar K. and other members of the Social Engagement Centre helped the students in forming the group and organising an online meeting for the benefit of the participating students with Dr. Lizbeth, Centre for Public Policy Research, Kochi on 20th August 2023.

Prajatantra platform may be utilised by the DUK students every year for exposure to a national level competition. Talented DUKians can win the events with a more dedicated and focussed approach. Teamwork and effective communication among team members are necessary for qualifying the first round and advancing to the final round.

FREEDOM EXHIBITION

The events concluded with a "Freedom Exhibition" designed to showcase the students' responses. An especially noteworthy feature of the event was the participation of the faculty members, who shared their reflections on Independence Day.



INDEPENDENCE DAY CELEBRATION

The DUK Student Council held a photography contest and a poster design contest with the topic "Freedom/Aazadi" in honour of India's 77th Independence Day. With the students' innovative entries, the competition received impressive responses. Rijo Mariam Jose, a photographer and filmmaker, announced the results of the photographic contest on Instagram Live.

PHOTOGRAPHY COMPETITION PRIZE WINNERS: INDEPENDENCE DAY, 2023



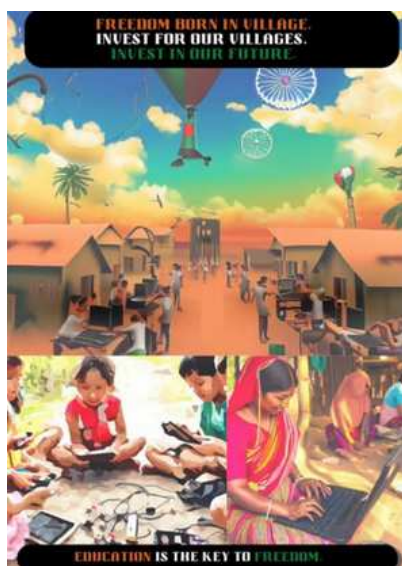
**FREEDOM PHOTOGRAPHY
COMPETITION
Winners**

<p>FIRST PRIZE</p>  <p>RAHULRAJ P V M.Tech Computer Science Engineering with Specialization in AI</p>	<p>SECOND PRIZE</p>  <p>RITHIN DINESH M.Sc Computer Science with Specialization in Cyber Security</p>
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POSTER DESIGNING COMPETITION WINNERS:



DIGITAL POSTER





- Navaz, P. M., Chithra, R., & James, A. (2023, June). Memristive Crossbar for Hyper Dimensional Consumer Text Analytics Accelerator. In 2023 21st IEEE Interregional NEWCAS Conference (NEWCAS) (pp. 1-5). IEEE.

KNOWLEDGE CENTRE NEWS



WEBSITE OF THE MONTH

Re3data



<https://ourworldindata.org/>

The Registry of Research Data Repositories lists over 1,500 research data repositories worldwide that contain research in a wide range of academic disciplines. It allows users to browse the list by subject, location, and by content type. Entries include links to the specific repositories. R3Data uses a system of badges to rate repositories on whether they are open, the types of licensing they offer, whether they are certified, and whether they allow the use of persistent identifiers. It helps researchers find a repository for their data that fits their preservation and sharing needs.



Releasing version 4.0 of the re3data Metadata Schema

visited data to a large extent for their publications (Pickett et al., 2021)

Canadian research data repositories in re3data: A collaborative effort to increase visibility and foster community

Materials from the re3data CORE / CoreTrustSeal Workshop on Quality Management at Research Data

SOFTWARE OF THE MONTH

FreeCAD

[\(https://www.freecad.org/\)](https://www.freecad.org/)



FreeCAD is a general-purpose 3D Computer-Aided Design program fit for use in engineering and architecture. Given the fact that FreeCAD is FOSS, it is easily customizable and extensible through the use of Python scripts. FreeCAD is made primarily to design objects for the real world. Everything you do in FreeCAD uses real-world units, be it microns, kilometers, inches or feet, or even any combination of units. FreeCAD offers tools to produce, export and edit solid, full-precision models, export them for 3D printing or CNC machining, create 2D drawings and views of your models, perform analyses such as Finite Element Analyses, or export model data such as quantities or bills of materials. FreeCAD features an advanced geometry engine based on Open CASCADE Technology. It supports solids, Boundary Representation (BRep) objects, and Non-uniform rational basis spline (NURBS) curves and surfaces, and offers a wide range of tools to create and modify these objects, including complex Boolean operations, fillets, shape cleaning and much more.



New Additions to the Knowledge Centre Collection

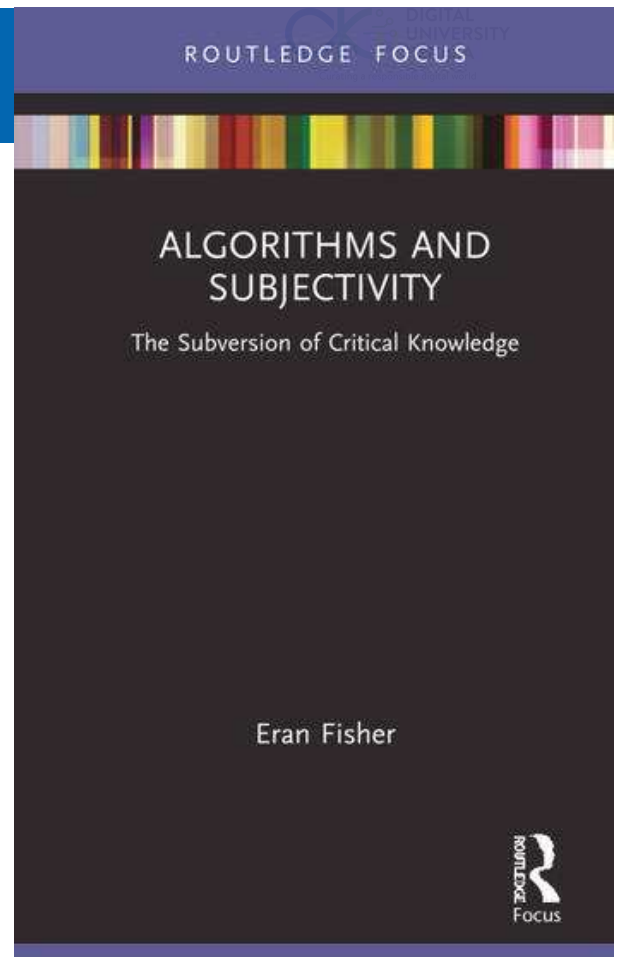
Algorithms and Subjectivity The Subversion of Critical Knowledge

In this thought-provoking volume, Eran Fisher interrogates the relationship between algorithms as epistemic devices and modern notions of subjectivity.

Over the past few decades, as the instrumentalization of algorithms has created knowledge that informs our decisions, preferences, tastes, and actions, and the very sense of who we are, they have also undercut, and arguably undermined, the Enlightenment-era ideal of the subject. Fisher finds that as algorithms enable a reality in which knowledge is created by circumventing the participation of the self, they also challenge contemporary notions of subjectivity.

Source :Amazon

Eran Fisher(2022) *Algorithms and Subjectivity*, New York, Apress.



Artificial Intelligence, Business and Civilization

Our Fate Made in Machines

ANDREAS KAPLAN

Artificial Intelligence, Business and Civilization: Our Fate Made in Machines

Artificial intelligence is shaking up economies around the world as well as society at large and is predicted to be either the best or worst thing to happen to humanity. This book looks at what exactly artificial intelligence is, how it can be classified, how it differentiates from other concepts such as machine learning, big data, blockchain, or the Internet-of-Things, and how it has evolved and might evolve over time.

Providing a clear and unbiased picture of artificial intelligence, the book provides critical analyses of the advantages and disadvantages, opportunities and threats of AI progress for business and civilization.

Source :Publisher

Kaplan, Andreas(2022) *Artificial Intelligence, Business and Civilization*. New York, Routledge.

Brain aging : Neurodegeneration and Therapeutic Interventions

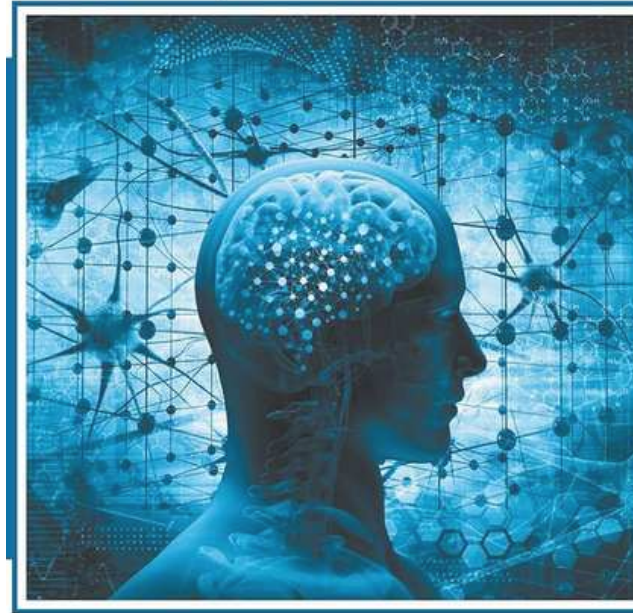
Aging causes changes in all the parts of the body including the brain. The size, vasculature and cognition of brain change with age. It causes changes at all levels, from molecules to morphology. Brain shrinks and incidence of stroke, dementia and white matter lesions increase with advancing age. There are changes in the levels of hormones and neurotransmitters. Regular exercise, low alcohol intake and a healthy diet are a few protective measures that reduce cardiovascular risk as well as aid the aging brain. The changes in the brain are not uniform in all regions. Another factor that affects the aging of brain and its cognitive performance is hormonal influence.

Source: Publisher

Pearson, Isla (2022) *Brain aging : Neurodegeneration and Therapeutic Interventions*. USA, States Academic Press.

Brain Aging

Neurodegeneration and Therapeutic Interventions



Isla Pearson

STATE ACADEMIC PRESS

Sustainable Human Resource Management: Strategies, Practices and Challenges

Sustainable Human Resource Management: Strategies, Practices and Challenges

Sustainable human resource management refers to practicing the human resource functions in a way that helps in achieving the goals of a business while ensuring positive financial, social, human and environmental outcomes. Its basic purpose is to study the connection between sustainability and human resource management (HRM). Sustainable HRM focuses on the use of HR tools to assist in the integration of sustainability strategy into business and for developing an HRM system that contributes towards the sustainable performance of the firm. Sustainability is a major challenge in the modern business environment. However, sustainability challenges can be reduced by implementing policies that reflect development, equity, well-being, and including environmentally friendly practices.

Source: Publisher

Clarke, Nina (2023) *Sustainable Human Resource Management: Strategies, Practices and Challenges*. New York, Clanrye International..

Nina Clarke

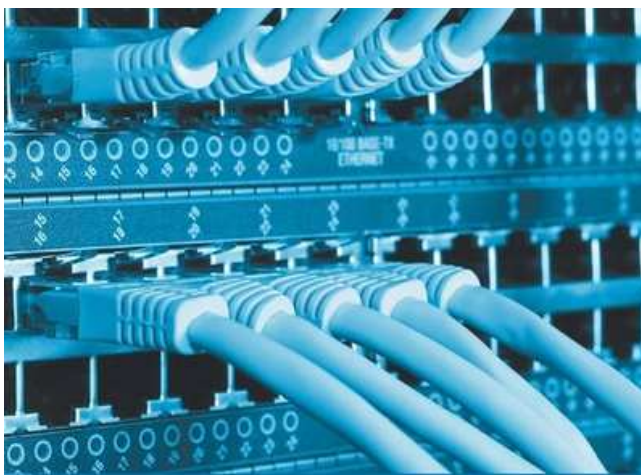
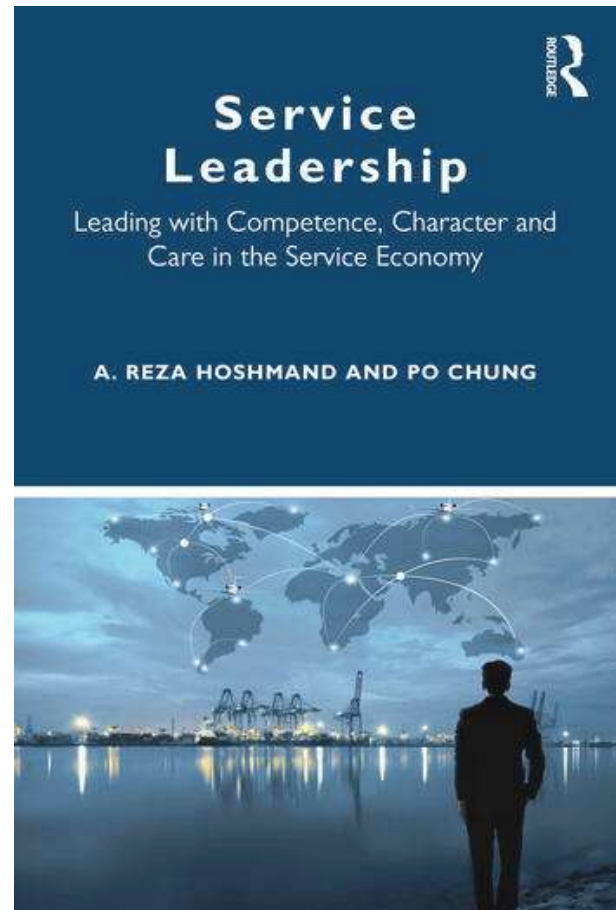
Service Leadership: Leading with Competence, Character and Care in the Service Economy

Service Leadership offers students, researchers, and leaders a leadership model originating in the service economy – but which is gaining ground in all sectors and industries – explained by experts that were key actors in that origination at DHL International.

Designed for undergraduates and graduates but also useful for professionals in leadership positions, Hoshmand and Chung structure the book around the 3Cs of leadership in the service economy: Competence, Character, and Care. It shows how the integration of the 3Cs when applied in combination with each other creates an environment of trust within and outside the organization.

Source :Publisher

Hoshmand, A. Reza Chung, Po (2022) *Service leadership : leading with competence, character and care in the service economy*. New York, Routledge Taylor & Francis Group.



Computer Networking The Complete Guide

Benjamin Murray

Computer networking : The Complete Guide

A computer network is defined as a digital communications network which allows sharing of information and resources between nodes. The network between these nodes could be either wired, optical, wireless or a combination of them. The nodes could include a variety of devices such as servers, personal computers, networking hardware, etc. Depending upon the size of the networks

or the number of devices connected, they can be classified into four categories, namely, personal area network (PAN), local area network (LAN), metropolitan area network (MAN) and wide area network (WAN). They can also be classified on the basis of the layout arrangements into bus, star, ring, mesh and tree topology.

Source :Amazon

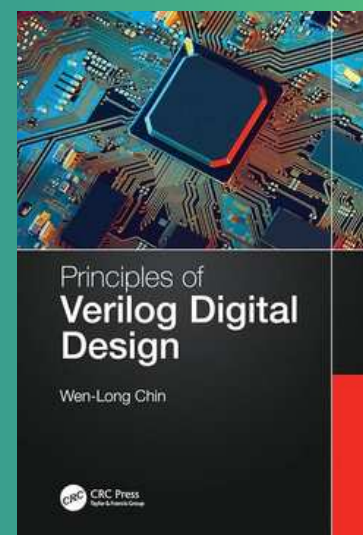
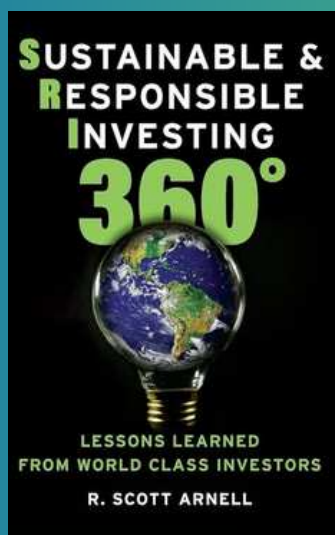
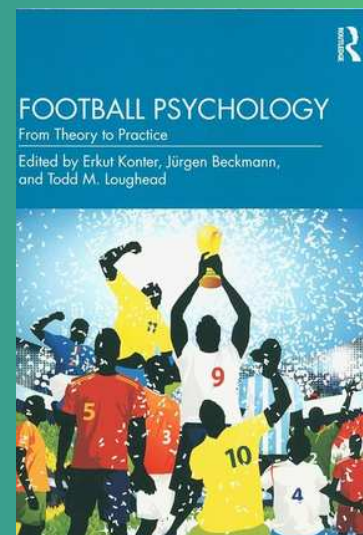
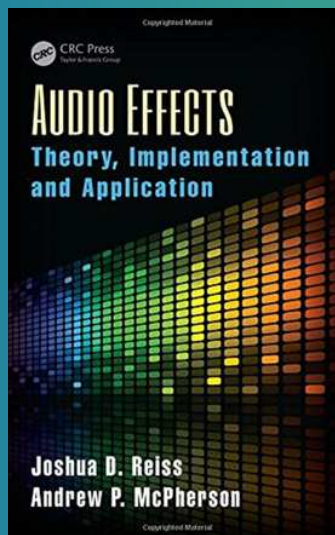
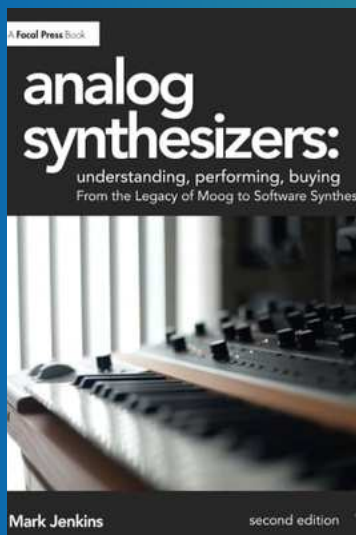
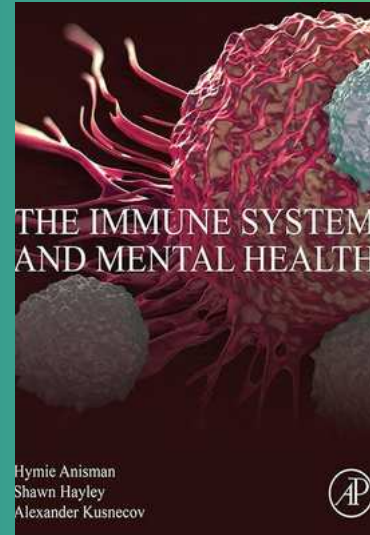
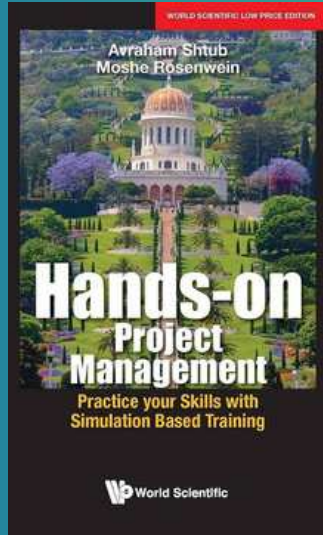
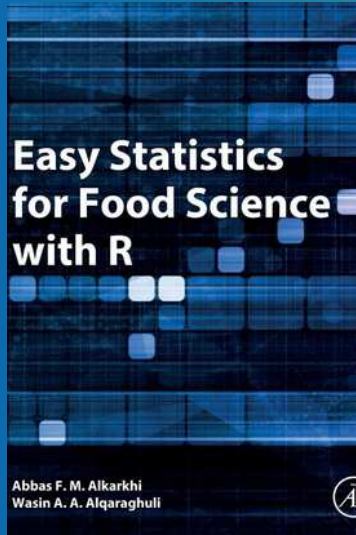
Murray, Benjamin (2021) *Computer networking : the Complete Guide* Murphy & Moore Publishing .

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