# DIGITAL UNIVERSITY KERALA
Curating a responsible digital world

**Kerala University of Digital Sciences, Innovation and Technology**

# NEWSLETTER

## Digital University Kerala
Thiruvananthapuram

# Table of
# Contents

# 2nd Convocation of Digital University of Kerala

The convocation ceremony was successfully conducted on August 29, 2024, at the Travancore International Convention Center, SportsHub, Greenfield International Stadium, Karyavattom, Thiruvananthapuram.

Shri. Arif Mohammed Khan, the Hon'ble Governor of Kerala and Chancellor of the University, served as the Chief Guest and delivered the convocation address. Dr. Vijay Chandru, Chairman of the Board of Governors of the University, presided over the function. Shri. S D Shibulal, Co-Founder and former CEO of Infosys, Bangalore, was honored as the Guest of Honour.

# DUK Induction Program

# Sports And Film Club Induction Session

As part of the induction program to the newly admitted students, we conducted sessions for initiating them into sports events. They were given platforms to engage in the following sports activities.

**Sports Club:**
- Ball Out Challenge
- Penalty Shootout
- Time – Limited Chess and Rubiks Club Solving
- Hop Scotch
- Carrom
- Table Tennis

They were also initiated to the Film Club. The following films were exhibited and asked them to review the films. We aspire to conduct regular showcasing of films. An introduction about the Sports Section and Film Club was given on that day.

**Film Club:**
- Good Will Hunting
- Perks of Being a Wallflower
- The Boy and the Heron
- Piku
- Dil Bechara

# DUK Induction Program - Wellness Dance

On August 8, 2024, the university organized a dance-themed Induction Program from 4:30 pm to 5:30 pm at the Mess Hall. The objective was to offer new students a platform to showcase their dancing talents and encourage peer interaction. The event included dance training led by senior students, followed by an active dance session. With enthusiastic participation and a fun atmosphere, the program successfully fostered teamwork, bonding, and skill development among students.
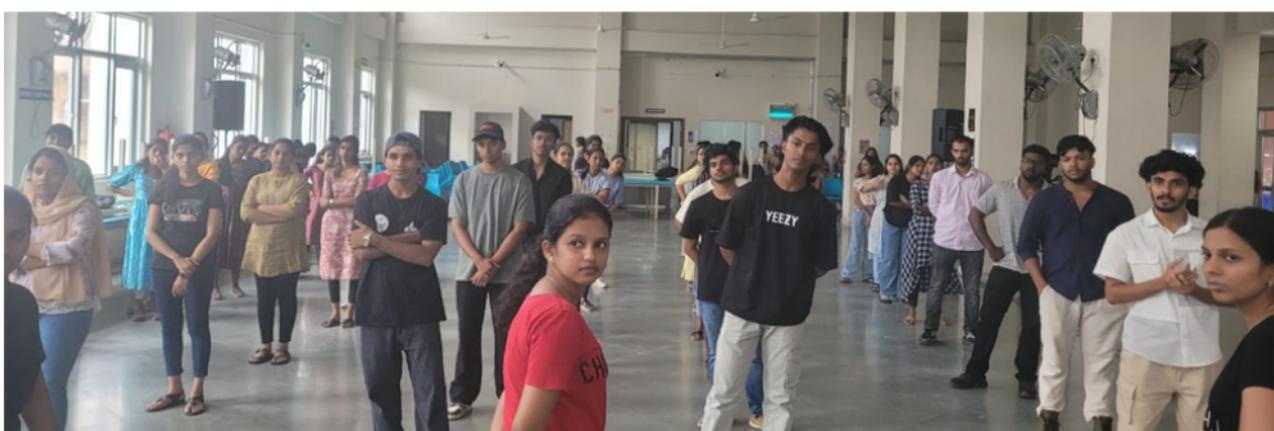
# Freshers day

## Hola Amigos: A Thrilling Freshers' Day Bash at Digital University Kerala

On August 18, 2024, Kabani Hall was buzzing with excitement as Digital University Kerala hosted its much-anticipated Freshers' Day celebration, "Hola Amigos " The festivities kicked off at 10 AM with a warm and spirited welcome speech by Joel and Ansu, setting the perfect tone for the day's vibrant events.

The celebration began with the official address from the student council, marking the start of a day filled with spectacular performances and joyous moments. The stage was set ablaze with incredible dance routines and melodious songs from both seniors and juniors, showcasing a wealth of talent and enthusiasm.

Adding a fun twist to the day, Afsal and Thejas hosted several interactive game sessions that had everyone participating, laughing, and competing with full enthusiasm. A standout moment of the event was the ramp walk by some of the juniors, who displayed their confidence and flair, much to the delight of the audience.

The excitement reached its peak with the selection of Mr. Fresher – Navaras and Mrs. Fresher – Priyangshri , celebrating the charisma and charm of the newest members of the university.

As the day turned into evening, the celebration continued with a high-energy DJ party by DJ Maxx, who kept the beats rolling and the crowd dancing until 9 PM. The hall was filled with vibrant lights, booming music, and endless smiles, wrapping up the day on an electrifying high note.

"Hola Amigos" was not just a Freshers' Day celebration ,it was an unforgettable fusion of talent, fun, and the infectious spirit of Digital University Kerala.

# Freshers day – Hola Amigos

# Independence Day Celebration

The Independence Day celebration at DUK Campus took place on August 15, 2024, from 8:15 am to 9:00 am. The event began with the national flag hoisting, the national anthem, and a parade by the security staff. A silent prayer was held for the Wayanad landslide victims, followed by the national pledge.

Vice Chancellor Prof. Saji Gopinath and Registrar A. Mujeeb addressed the gathering, emphasizing the importance of Independence Day. Ansu Rose delivered an inspiring speech, and Anna and her team performed a patriotic song. The event concluded with a vote of thanks and the distribution of sweets.

The program was a success, instilling a strong sense of patriotism and pride among attendees.



# 78th Independence Day Celebrated with "AZADI QUIZ" by First-Year MBA Students

As part of the 78th Independence Day celebrations, the first-year MBA students of the School of Digital Humanities and Liberal Arts organized the "AZADI QUIZ," a special event focusing on India's rich Independence history. The quiz took place on August 15, 2024, in Gallery Hall (Room No. 045), commencing at 10:45 AM. The event was officially inaugurated with a blessing and motivational words by Prof. Meraj Uddin (Chairman, Student Affairs), and Mr. Sohan (General Secretary, Student Council) setting a positive tone for the 40 students from various departments who participated. Each team consisted of two students, and the quiz was structured into three challenging levels.

The first level featured 10 common questions for all teams, with six teams advancing to the subsequent rounds based on their scores. The second and third levels, particularly the rapid-fire round, heightened the competition, testing participants' speed and knowledge. The quiz concluded at 11:30 AM, with the announcement of winners who were awarded prizes and certificates by Prof. Meraj Uddin and Mr. Sohan.

The first prize was claimed by Aparna S (MSc CSDA) and Malavika Pradeep (MTech CS), the second prize by Ansu Joseph (MSc CS Cyber Security) and Swathi Lakshmi M O (MSc Applied Physics), and the third prize went to Jaidev S Ram and Albin Varun, both from MSc DACS. The event concluded with a photo session and refreshments for all participants.

The successful organization of the quiz was credited to the dedicated hosting team (Students of first year MBA): Quiz Master – Ajsal, guiding participants through the competition; Coordinators – Neha Krishna V G, Sneha Santhosh, Abhin A, and Harikrishnan R, with Vaishakh S and Akhil S handling media team. Volunteers including Vivek C V, Thejas K Rajiv, Aswin S S, Aswin S A, Salu J B, Anagha A N, Sejal P Santhosh, Nayana Manoj, Agnidev, Shamnad A, Arjun Binu, and Joseph Soney ensured the smooth conduct of the event.

# World Entrepreneurs Day Celebration

On 21st August 2024, in celebration of World Entrepreneurs Day, the Institution's Innovation Council and Innovation Club successfully conducted an insightful session featuring Santosh V. Pillai, CEO of Maklab Innovations and Professor of Practice at the University of Kerala's Department of Optoelectronics. During his engaging talk on "A Day in the Life of an Entrepreneur," Mr. Pillai shared his experiences and offered invaluable lessons drawn from his entrepreneurial journey. The program, which provided inspiration and practical insights to all participants, was a significant highlight of the day's events.

# Training and Placement Cell
## Simulating Success: The Ultimate HR Experience

The Training and Placement Cell at DUK successfully organized an HR simulation exercise as a part of the induction program on August 7th, 2024. This innovative activity aimed to provide students with a realistic experience of the preparation and effort required to face job interviews with confidence.

During the exercise, various job positions were displayed, allowing students to select the roles that aligned with their interests. Each participant underwent a tailored preparation process, guided by specific templates provided for each job position.

The simulation culminated in a mock interview, where an interview board appraised the candidates, offering constructive feedback and motivation. The board acknowledged the candidates' thorough preparations and efforts, emphasizing the importance of these skills in their future careers.

This exercise not only honed the students' interview skills but also instilled a sense of confidence and readiness as they embark on their professional journeys.
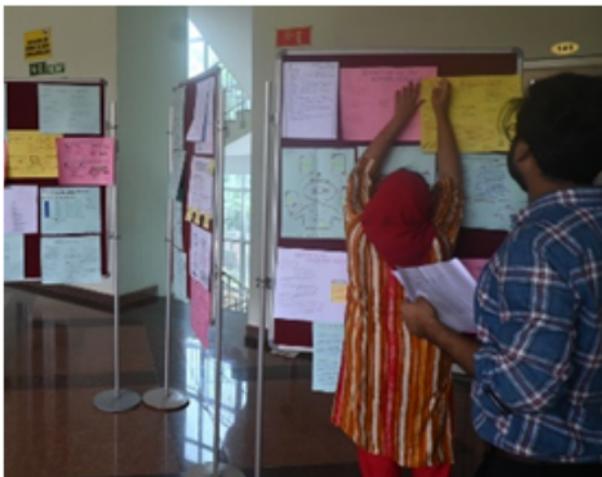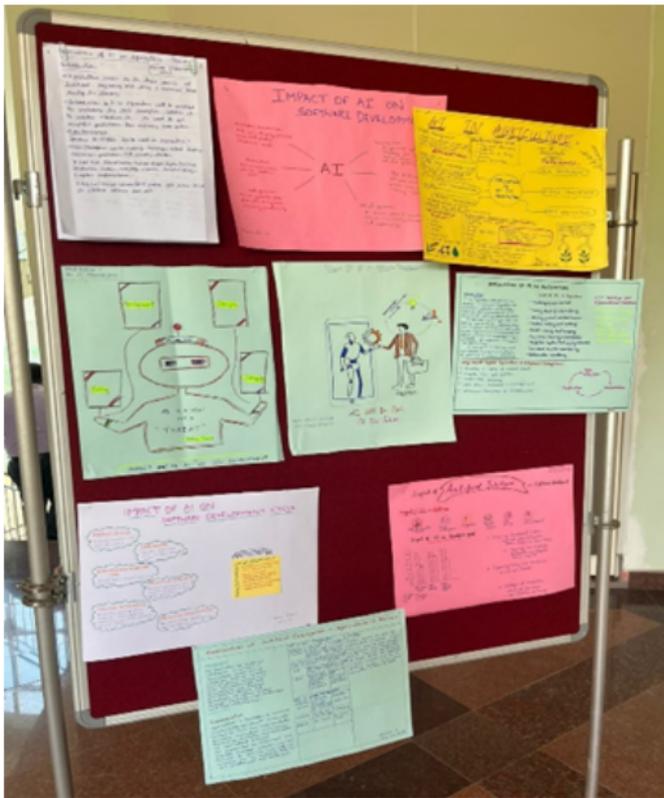
# A Session on Empowering Success and unleashing your potential for First Year students

The session was led by Mr. Praveen Parameswar, Chief Executive Officer at Lifology.com, who brought his wealth of experience and insights to inspire and guide the students. The session, which took place from 9:30 AM to 12:30 PM in Gallery Hall 45, was also live-streamed to Gallery Hall 44 to accommodate more participants.

Prior to the commencement of the session, Dr. Sini V Pillai, Chair of Placements, addressed the students, providing an overview of the Training and Placement Cell's activities and emphasizing the resources available to support their career development.
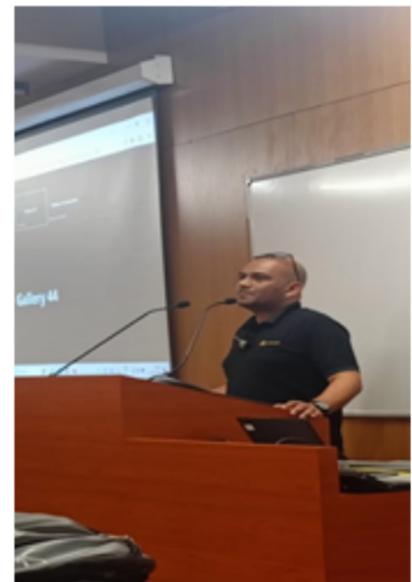
# A session on "Resume Writing: A Step-by-Step Guide" for Second-Year Students

A focused session on Resume Writing: Step by Step Guide was conducted by Ms. Panchami, Placement Officer, for second-year students at DUK on August 14th, 2024, from 2:00 PM to 4:00 PM. The session took place in Gallery Hall 45 and was simultaneously live-streamed to Gallery Hall 44 to accommodate additional participants.

This session was meticulously designed to provide students with practical insights and a clear, structured approach to crafting a professional resume. Ms. Panchami guided the students through each step, emphasizing key elements that can make their resumes stand out to potential employers.

This essential training is part of the ongoing efforts by the Training and Placement Cell to prepare students for successful careers by equipping them with the necessary skills and knowledge.

# First Impressions : Training and Placement Cell Registration for First Year Students

On August 21st, 2024, the Training and Placement Cell at DUK organized a session titled First Impressions for first-year students. The session focused on the registration process for getting enrolled with the Training and Placement Cell. Ms. Panchami, the Placement Officer, guided the students through the placement norms, ensuring they were well-informed about the procedures and expectations.

This session marked an important step for the new students as they began their journey towards building a successful career with the support of the Training and Placement Cell.

# Campus Recruitment Drive by Hyreo

Hyreo, a leader in AI-driven recruitment solutions, conducted a placement drive at our campus for the 2024 passout students on August 30th, 2024. Renowned for its innovative technology that streamlines and enhances the hiring process globally, Hyreo offered opportunities for the position of Site Reliability Engineer.

This placement drive highlighted Hyreo's commitment to leveraging cutting-edge technology in recruitment, providing our students with the chance to join a company at the forefront of the recruitment tech industry.

# Campus Recruitment Drive by Workz Group, Dubai on August 31st 2024

On August 31st, 2024, Workz Group, a leading provider of IoT and mobile solutions, conducted a campus recruitment drive for the 2024 passout students. As an Irish-based company with R&D and production facilities in Europe and Dubai, and offices across the globe, Workz is at the forefront of driving the development of smart devices and applications at unprecedented speeds.

Workz is one of only six certified eSIM providers in the world, offering fully secure, interoperable, and future-proof solutions. Trusted by some of the world's leading brands, the company securely connects over 1.6 billion devices each year. Their product offerings include IoT solutions, recharge cards, SIM cards, eSIMs, Remote SIM provisioning, M2M SIMs, SIM packaging, and various value-added services.

This recruitment drive presented our students with an exciting opportunity to join a global leader in the tech industry.

# AlgoBharat's #Road2Impact 2024 Trivandrum Idea Pitching Competition

The AlgoBharat #Road2Impact 2024 Trivandrum Idea Pitching Competition, held on August 10, 2024, at Park Centre, Technopark, was a significant event that brought together blockchain enthusiasts, developers, and startups. Organised by AlgoBharat (an initiative of Algorand Foundation India) in collaboration with Kerala Blockchain Academy, the event served as a precursor to the Algorand India Summit scheduled for December 2024. It was designed to engage the local web3 community, offering opportunities to learn, network, and innovate within the blockchain space.

The primary purpose of the #Road2Impact event was to create a platform for web3 enthusiasts and developers to explore the potential of blockchain technology in building sustainable solutions. The event aimed to prepare participants for the upcoming Algorand India Summit by fostering collaboration and providing mentorship on blockchain development and entrepreneurship. The event was integral to a larger initiative to promote blockchain adoption in India, empowering individuals and startups to contribute to the web3 ecosystem.

The event saw enthusiastic participation from the student, developer and startup community, with 150 registrations, reflecting the growing interest in blockchain technology in Trivandrum and the surrounding region. The workshops and mentorship sessions highlighted the importance of continuous learning and adaptation in the rapidly evolving blockchain space. Participants gained valuable insights into the practical applications of blockchain for a sustainable future. The ideas presented during the pitch competition demonstrated the innovative potential of blockchain technology. Participants showcased various ideas to address social, environmental, and economic challenges.

# Asianet News Yuvajanolsavam Program at DUK

# PGDCS under PM Ajay Scheme celebrated Arts and Sports Events @ DUK Phase 1 Campus

On July 10, 2024, the first batch of the Post Graduate Diploma in Cyber Security (PGDCS) program under the PM AJay Scheme organized a Arts and Sports Day. The event aimed to promote camaraderie, creativity, and physical fitness among students. The students showcased their creative talents, with some performing solo acts while others participated in group events. The arts competitions allowed students to express their creativity and share their cultural heritage. The day began with a series of sports competitions, including badminton, carrom and chess. Students actively participated, demonstrating teamwork, determination, and sportsmanship. The friendly matches brought an energetic atmosphere, with everyone cheering for their peers.

# Social Engagement Centre (SEC)

## Allianz-DUK Best Digital Solution for Social Impact- Award

On August 9, 2024, 17 promising teams were selected from an initial pool of 36 to begin their mentorship journey under the guidance of representatives from Allianz Technology. These teams, each working on innovative projects and prototypes still in their early stages, benefited greatly from the experience and insights shared by their mentors.

The mentoring session was structured to provide tailored support, with each team receiving guidance from one or two mentors. This setup allowed for focused advice on refining project ideas, overcoming initial challenges, and setting a clear path forward. The representatives from Allianz Technology shared valuable feedback on both technical and strategic aspects, ensuring that the teams are well-prepared for the next phases of their projects.

The afternoon session was marked by enthusiasm and collaboration, with students working seamlessly to ensure everything went according to plan. The success of this mentoring session highlights the strength of teamwork and the importance of expert guidance in driving innovation forward.

# SEC Meetup with Juniors
# Connecting and Collaborating

The Social Engagement Centre (SEC) recently hosted a dynamic meetup for juniors, marking a day of lively interactions and collaborative activities. Organized by the senior core team of SEC, the event was a fantastic opportunity for juniors to connect, share ideas, and engage in meaningful discussions.

The meetup began with an icebreaker session, allowing juniors and seniors to interact and establish rapport. This was followed by a series of thought-provoking debates, where participants passionately argued various points, showcasing their analytical and communication skills.

In addition to debates, the day was filled with engaging games that brought out the competitive spirit in everyone. These games were designed to promote teamwork and problem-solving, making the experience both fun and educational. The event concluded with a collective discussion on key points raised during the debates, allowing everyone to reflect on the fun and relatable topics and share their perspectives.

Overall, the SEC meetup with juniors was a resounding success, creating a welcoming environment where new members could feel included and inspired. The senior team's coordination ensured that the event ran smoothly, leaving participants eager for more such interactions in the future.

# Social Engagement Centre- Induction program

The Social Engagement Centre (SEC) recently held its much-anticipated induction meet, marking the first official gathering for the new students. This event served as an introduction to the various aspects of SEC and its subsidiaries, providing an overview of the opportunities and responsibilities that lie ahead.

Coordinated by Fousiya C K and headed by Dr. Sreelekha, the induction meeting was a well-organized affair that set the tone for the new academic year. The new students were introduced to the different wings of SEC, including the Social Outreach Program, Environmental Initiatives, and the Digital Literacy Drive.

The highlight of the meet was the experience-sharing segment, where senior members Sai Shankar G Nair and Aswathy M recounted their journey with SEC. Their stories of personal growth, community engagement, and leadership development were both inspiring and encouraging for the newcomers.

The induction meeting was a significant first step in integrating the new batch into the SEC family, fostering a sense of belonging and motivating them to contribute actively to the Centre's initiatives.

# Vegetable Garden Harvesting: A Green Initiative in Action

The Social Engagement Centre (SEC) celebrated the first harvest from its vegetable garden near the college campus, marking a milestone in its green initiative. The garden features a variety of vegetables, including lady's finger, bottle gourd, and many more.

The project began several months ago as part of SEC's commitment to promoting sustainable practices and encouraging students to engage in eco-friendly activities. The garden not only serves as a source of fresh, organic produce but also as an educational platform where students learn about agriculture, environmental ideas, and the importance of locally sourced food.

This initiative has garnered positive feedback from both students and faculty, highlighting the importance of such projects in encouraging a connection with nature and promoting sustainability. The SEC plans to expand the garden in the coming months, adding more varieties of vegetables and herbs and involving more students in this green work.

# Two-day Workshop- DREAMS (Development of Rural Education and Mentoring Scheme)

The DREAMS project recently wrapped up with a comprehensive two-day workshop held on August 25th and 26th, 2024. Throughout the course of the project, dedicated SEC volunteers provided invaluable guidance to the 24 fellows, overseeing the development and creation of their respective project models over a period of six months.

During the workshop, the fellows were divided into four groups, with each group focusing on distinct projects, including the Smart Medicine Box, Smart Waste Bin, Aquaponics, and Automatic Water Power System.

The journey over the six months proved to be transformative for the students, providing them with exposure to a wide array of technologies and invaluable information. This exposure ignited a deep curiosity within the students, fostering a passion for continued learning and exploration.

# National Librarian's Day Celebration

As part of the National Librarian's Day celebration, Digital University Kerala, Knowledge Centre successfully conducted a Book Exhibition in association with Modern Books from 12th to 14th August, 2024. The exhibition was held at the Open Space on the 2nd Floor and showcased a wide range of books, attracting avid readers and book enthusiasts.

# Publications

- Balasubramaniam S., Kadry, S., Dhanaraj, R. K., & K, S. K. (2024). Adaptive Coati Optimization Enabled Deep CNN-based Image Captioning. Applied Artificial Intelligence, 38(1). https://doi.org/10.1080/08839514.2024.2381166

- Saleema A, and Sabu M. Thampi. (2024). The social force model: a behavioral modeling approach for information propagation during significant events. International Journal of Computers and Applications, 1-14.

- Teenu S. John , Tony Thomas , Sabu Emmanuel (2024), Detection of Evasive Android Malware Using EigenGCN, Journal of Information Security and Applications, Elsevier, Volume 86, 103880

  https://doi.org/10.1016/j.jisa.2024.103880

- Kiran, R.J., Sanil, J. & Asharaf, S  (2024). A Novel Approach for Model Interpretability and Domain Aware Fine-Tuning in AdaBoost. Hum-Cent Intell Syst.

  https://doi.org/10.1007/s44230-024-00082-2

- Aboobaker, N. and Shanujas, V. (2024), "Towards a sustainable workplace: investigating workplace cyberbullying and its relationship with employee wellbeing and intention to stay in remote and hybrid work settings", International Journal of Productivity and Performance Management, Vol. ahead-of-print No. ahead-of-print. https://doi.org/10.1108/IJPPM-12-2023-0662

- Gopika, S., Lengaigne, M., Suresh, I., Izumo, T., Kwatra, S., Neetu, S., & Vialard, J. (2024). Assessing CMIP models' ability to detect observed surface warming signals related to climate change. Journal of Climate. https://doi.org/10.1175/JCLI-D-24-0102.1

- Raj, U., Banerjee, A., Ray, S., & Bhattacharya, S. (2024). Structure of higher-order interactions in social-ecological networks through Q-analysis of their neighbourhood and clique complex. PloS one, 19(8), e0306409. https://doi.org/10.1371/journal.pone.0306409

- Niranjana, L., Arjun, C.P. & Jaishanker, R. (2024) Agnichirakeriya Rajahamsangal (അഗ്നിച്ചിറകേറിയരാജഹംസങ്ങൾ). Aranyam Magazine, Kerala Forest Department, 77-81.

- Ramírez-Ávila, G. M., Muni, S. S., & Kapitaniak, T. (2024). Unfolding the distribution of periodicity regions and diversity of chaotic attractors in the Chialvo neuron map. Chaos: An Interdisciplinary Journal of Nonlinear Science, 34(8).

# Book Published

Balasubramaniam, S., Kadry, S., Prasanth, A., & Dhanaraj, R. K. (Eds.). (2024). AI Based Advancements in Biometrics and its Applications. CRC Press.
First Edition, eISBN: 9781032702377, Print ISBN : 9781032690506, Pages: 274, CRC Press, Taylor & Francis, https://doi.org/10.1201/9781032702377
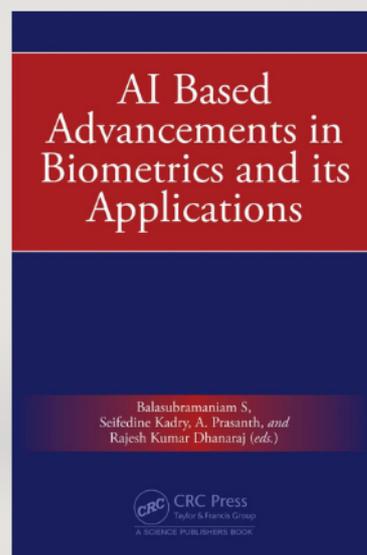
# Book Chapter

Balasubramaniam S, Published a Book Chapter "Machine learning based models for implementing digital twins in healthcare industry" in the book "Metaverse Technologies in Healthcare", Academic Press ,Elsevier,2024.
DoI:https://doi.org/10.1016/B978-0-443-13565-1.00009-9 .

# Conference Paper

- Balasubramaniam S, Published a Conference Paper "Prediction of Breast Cancer Using Ensemble Learning and Boosting Techniques" in 2024 International Conference on Communication, Computer Sciences and Engineering (IC3SE), Gautam Buddha Nagar, India, IEEE, 2024, pp. 513-519.
 DOI: https://doi.org/10.1109/IC3SE62002.2024.10593047.

- Elangovan K, " Enhanced Dual-Slope-Based Digitizer for 4-Wire Connected Resistive Sensors," in IEEE TENSYMP, pp. 1-4, Sep. 2024 (Accepted for presentation).

# Invitation as Associate Editor from Elsevier

Prof. Anoop A is invited to be an Associate Editor of the Journal of Molecular Graphics and Modelling from Elsevier.

# Talks

- DUK Research Office and the Institution's Innovation Council (IIC) jointly organized a talk on "NEP: The Students' Perspective" on 29th July 2024 at 10:30 AM online to commemorate the fourth anniversary of the National Education Policy. The session was handled by Prof. K. Satheesh Kumar, Visiting Professor, SoDS, DUK.

- DUK Research Office and IPR Cell jointly organized a talk titled "Patent Claim Drafting" on 2nd August 2024 from 4 PM to 5:30 PM. The session was handled by Dr. Shahina Abdulla, Senior Scientist and European Patent Attorney, TNO, The Hague, The Netherlands, specializing in IP litigation and portfolio management.

- DUK Research Office organized a session titled "Systematic Literature Review using Computational Tools" on 7th August 2024 from 2 PM to 5 PM. The session was handled by Prof. K. Satheesh Kumar, Visiting Professor, SoDS, DUK.

- DUK Research Office organized a session titled "Literature Research and Reference Management" on 8th August 2024 from 11:15 AM to 12:30 PM. The session was handled by Dr. Gopakumar V, Head, Knowledge Centre, DUK.

- DUK Research Office organized a session titled "Seeds of Innovation: Fostering Research Aptitude" on 8th August 2024 from 2 PM to 4 PM. The session was handled by Dr. S. Sankararaman, Professor, Department of Optoelectronics, University of Kerala, Thiruvananthapuram.

# Grant from the Conservation Leadership Program (CLP)

Mr. Akshay Moti, a Research Assistant at the School of Informatics, has been awarded a $15,000 grant from the Conservation Leadership Program (CLP) with three other researchers. The project aims to protect the Malabar Grey Hornbill, a species native to the Western Ghats, by conducting field research, habitat restoration, and engaging with local communities to ensure the long-term survival of this vital species. In this collaborative effort, Akshay Moti is actively contributing to data collection and analysis for the project.



# Best Paper Award

The research paper titled "Generating Images from EEG Signals," authored by Master HariShankar, Ms. Sabitha Rani, and Dr. Elizabeth Sherly, has been accepted for presentation at IEEE Mysuru Con-2024. Master HariShankar presented the paper on August 31 at the 4th edition of IEEE Subsection Flagship Conference and was awarded the Best Paper Award.

# Find New Titles

Check the OPAC of Knowledge Centre for
New Additions and their Availability at

http://libcat.duk.ac.in:8081 🔍

*Design & Developed*

@

**KNOWLEDGE CENTRE**
**DIGITAL UNIVERSITY KERALA**